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FY 1990/FY 1991 BIENNIAL BUDGET ESTIMATES

MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM

FY 1990

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JANUARY 1989

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DEPARTMENT OF THE NAVY
FY 1990 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM

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"A" STATE LIST

STATE LIST

Department of the Navy
FY 1990 Military Construction and Family Housing Program
Summary of Locations
(All Dollars in Thousands)

State/Country	Auth. Request	Appro. Request
Inside the United States		
Alabama	$ 3,965	$ 3,965
Alaska	18,870	18,870
Arizona	900	900
California	249,417	249,417
Connecticut	45,050	45,050
District of Columbia	2,920	2,920
Florida	31,750	31,750
Georgia	61,210	61,210
Hawaii	50,650	50,650
Illinois	28,170	28,170
Indiana	8,000	8,000
Louisiana	3,600	3,600
Maine	4,650	4,650
Maryland	87,480	63,480
Mississippi	14,020	14,020
Nevada	1,000	1,000
New Jersey	15,270	15,270
New Mexico	4,700	4,700
New York	25,640	25,640
North Carolina	66,130	66,130
Oklahoma	21,500	21,500
Rhode Island	8,000	8,000
South Carolina	5,620	5,620
Tennessee	10,000	10,000
Texas	28,220	28,220
Virginia	93,037	93,037
Washington	37,140	37,140
Subtotal	926,909	902,909
Outside the United States		
Ascension Island	$ 3,500	$ 3,500
Australia	610	610
Bahamas	4,140	4,140
Guam	35,450	35,450
Iceland	39,163	39,163
Italy	46,600	46,600
Japan	25,550	25,550
Philippines	19,000	19,000
Puerto Rico	1,300	1,300
Scotland	5,820	5,820
United Kingdom	10,130	10,130
Subtotal	191,263	191,263
Various Locations	175,666	175,666
Total - FY 1990 Military Construction and Family Housing Program	1,293,838	1,269,838
Less Family Housing	-127,738	-127,738
Total - FY 1990 Military Construction Program	1,166,100	1,142,100

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State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 89	Page No.
		INSIDE THE UNITED STATES				
Alabama		Naval Station, Mobile				35
	024	Mess Hall	$ 880	$ 880	40	471
	018	Physical Fitness Facility	2,220	2,220	40	36
	022	Site Improvement Mitigation	865	865	50	471
		Subtotal	3,965	3,965		
		TOTAL FOR ALABAMA	3,965	3,965		
Alaska		Naval Air Station, Adak				38
	121	Aircraft Direct Fueling Station	2,300	2,300	60	39
	931	Bachelor Enlisted Quarters Addition	8,700	8,700	N/A	41
	026	Harpoon Missile Magazine and Inert Storehouse	3,500	3,500	50	43
	114	Ordnance Handling Pad	4,370	4,370	60	45
		Subtotal	18,870	18,870		
		TOTAL FOR ALASKA	18,870	18,870		
Arizona		Marine Corps Air Station, Yuma				47
	438	Aircraft Power Check Pads	900	900	100	471
		Subtotal	900	900		
		TOTAL FOR ARIZONA	900	900		
California		Marine Corps Air Station, Camp Pendleton				48
	557	Flight Line Security Improvements	2,100	2,100	75	49
		Subtotal	2,100	2,100		
		Marine Corps Base, Camp Pendleton				51
	962	Air Defense Operations Center	7,300	7,300	60	52
	923	Bachelor Enlisted Quarters	24,500	24,500	45	54
	763	Combined Arms Staff Trainer Facility	2,800	2,800	35	56
	849	Operations Support Facilities	3,250	3,250	35	58
	623	Tactical Components Storage Facility	850	850	100	472
	987	Tactical Systems Test and Support Center	5,000	5,000	65	60
	917	Tactical Vehicle Maintenance Facility	13,900	13,900	50	62
	890	Family Housing	10,150	10,150	N/A	495
		Subtotal	67,750	67,750		

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California (Continued)		Naval Weapons Center, China Lake				64
	369	Missile Engagement Simulation Arena	$ 17,500	$ 17,500	100	65
		Subtotal	17,500	17,500		
		Naval Weapons Station, Concord				68
	271	Missile Integration Facility	2,440	2,440	100	69
	194	Potable Water System Improvements	3,200	3,200	100	71
		Subtotal	5,640	5,640		
		Naval Amphibious Base, Coronado				73
	078	Operational Storage Warehouse	4,370	4,370	90	74
	195	Special Warfare Command Headquarters	3,400	3,400	75	76
		Subtotal	7,770	7,770		
		Surface Warfare Officers School Command Detachment, Coronado				78
	165	Surface Warfare Instruction Building	4,360	4,360	100	79
		Subtotal	4,360	4,360		
		Naval Air Facility, El Centro				81
	020	Bachelor Enlisted Quarters	7,200	7,200	60	82
		Subtotal	7,200	7,200		
		Naval Air Station, Lemoore				84
	106	Centrifuge Trainer Facility	2,100	2,100	N/A	85
		Subtotal	2,100	2,100		
		Naval Station, Long Beach				499
	184	Family Housing Office	592	592	N/A	500
		Subtotal	592	592		
		Naval Air Station, Moffett Field				87
	989	Child Care Center	1,000	1,000	N/A	472
		Subtotal	1,000	1,000		

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State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 89	Page No.
California (Continued)		Fleet Numerical Oceanography Center Monterey				88
	005	Meterological Building Addition	$ 750	$ 750	50	473
		Subtotal	750	750		
		Naval Postgraduate School Monterey				89
	097	Academic Library Addition	5,000	5,000	35	90
	157	Classroom and Applied Laboratory Facility	11,690	11,690	60	92
		Subtotal	16,690	16,690		
		Naval Air Station, North Island				94
	511	Pier Electric Power Upgrade	6,160	6,160	35	95
		Subtotal	6,160	6,160		
		Fleet Anti-Submarine Warfare Training Center, Pacific, San Diego				97
	243	Chilled Water Plant Upgrade	820	820	75	473
		Subtotal	820	820		
		Fleet Combat Training Center Pacific, San Diego				98
	031	Security Upgrade	3,670	3,670	50	99
		Subtotal	3,670	3,670		
		Fleet Intelligence Training Center Pacific, San Diego				101
	003	Intelligence Training Building Addition	2,500	2,500	35	102
		Subtotal	2,500	2,500		
		Fleet Training Center, San Diego				104
	002	Fire Fighting Trainer Facility	12,800	12,800	35	105
		Subtotal	12,800	12,800		
		Integrated Combat Systems Test Facility, San Diego				107
	004	Electronics Systems Integration Laboratory	4,100	4,100	75	108
		Subtotal	4,100	4,100		

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California (Continued)		Marine Corps Recruit Depot, San Diego				111
	233	Child Care Center	$ 540	$ 540	100	474
	189	Mess Hall Addition	2,530	2,530	50	112
		Subtotal	3,070	3,070		
		Naval Hospital, San Diego				114
	600H	Regional Medical Center-Support Facilities	5,000	5,000	75	115
		Subtotal	5,000	5,000		
		Naval Ocean Systems Center, San Diego				117
	090	Physics Laboratory Safety Improvements	1,300	1,300	75	118
		Subtotal	1,300	1,300		
		Naval Station, San Diego				120
	109	Child Care Center	1,000	1,000	85	474
		Subtotal	1,000	1,000		
		Naval Submarine Base, San Diego				121
	101	Waterfront Industrial Facility	10,800	10,800	75	122
		Subtotal	10,800	10,800		
		Naval Training Center, San Diego				124
	352	Bridge	4,800	4,800	100	125
		Subtotal	4,800	4,800		
		Navy Public Works Center, San Diego				127
	123	Hazardous Waste Storage Facilities	2,900	2,900	35	464
	081	Municipal Sewer Connection	1,500	1,500	N/A	464
	1385	Family Housing Warehouse	1,855	1,855	N/A	503
		Subtotal	6,255	6,255		
		Navy Public Works Center, San Francisco				128
	082	Handicapped Access Improvements	360	360	50	475
	071	Water Supply System Improvements	3,550	3,550	N/A	129
	523	Family Housing	28,350	28,350	N/A	506
		Subtotal	32,260	32,260		

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California (Continued)		Naval Weapons Station, Seal Beach				131
	129	Missile Magazines	$ 9,000	$ 9,000	50	132
		Subtotal	9,000	9,000		
		Marine Corps Air Station, Tustin				134
	253	Flight Line Security Improvements	2,350	2,350	75	135
	177	Hazardous and Flammable Storehouse	640	640	35	475
		Subtotal	2,990	2,990		
		Marine Corps Air-Ground Combat Center, Twentynine Palms				137
	461	Electronics Communications Maintenance Shop	1,550	1,550	50	138
	053	Small Arms Range Improvements	1,590	1,590	100	140
		Subtotal	3,140	3,140		
		Mare Island Naval Shipyard, Vallejo				142
	281	Controlled Industrial Building Addition	6,300	6,300	35	143
		Subtotal	6,300	6,300		
		TOTAL FOR CALIFORNIA	249,417	249,417		
Connecticut		Naval Submarine Base, New London				145
	169	Bachelor Enlisted Quarters	11,900	11,900	40	146
	377	Boiler Plant Modifications	2,750	2,750	100	148
	991	Child Care Center	1,000	1,000	N/A	476
	414	Municipal Sewer Connection	3,700	3,700	N/A	465
	419	Weapons Facilities (Increment II)	1,400	1,400	100	150
	356	Weapons Storage Improvements	3,500	3,500	100	153
		Subtotal	24,250	24,250		
		Naval Submarine School, New London				156
	174	Operational Trainer Facility	8,200	8,200	100	157
		Subtotal	8,200	8,200		
		Naval Underwater Systems Center New London				159
	105	Electromagnetic Systems Laboratory	12,600	12,600	35	160
		Subtotal	12,600	12,600		
		TOTAL FOR CONNECTICUT	45,050	45,050		

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District of Columbia		Commandant, Naval District Washington				163
	299	Steam Plant System Modernization	$ 420	$ 420	100	476
		Subtotal	420	420		
		Naval Observatory, Washington				164
	025	Laboratory Expansion	2,500	2,500	95	165
		Subtotal	2,500	2,500		
		TOTAL FOR DISTRICT OF COLUMBIA	2,920	2,920		
Florida		Naval Air Station, Cecil Field				167
	252	Engine Maintenance Shop	1,070	1,070	100	168
	888	Strike Fighter Weapons	900	900	85	477
		Subtotal	1,970	1,970		
		Naval Hospital, Jacksonville				171
	320	Bachelor Enlisted Quarters	2,080	2,080	100	172
		Subtotal	2,080	2,080		
		Naval Training Center, Orlando				174
	482	Electronic Technician School	14,190	14,190	35	175
	177	Fire Fighting Training Facilities	4,210	4,210	100	177
		Subtotal	18,400	18,400		
		Naval Diving and Salvage Training Center, Panama City				179
	314	Diver Training Building Addition	4,300	4,300	50	180
		Subtotal	4,300	4,300		
		Navy Experimental Diving Unit Panama City				182
	347	Underwater Equipment Support Complex	2,900	2,900	50	183
		Subtotal	2,900	2,900		

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Florida (Continued)		Navy Public Works Center, Pensacola				185
	109	Wastewater Transfer System	$ 2,100	$ 2,100	45	186
		Subtotal	2,100	2,100		
		TOTAL FOR FLORIDA	31,750	31,750		
Georgia		Marine Corps Logistics Base, Albany				188
	245	Combat Vehicle Maintenance Shop	1,300	1,300	100	189
		Subtotal	1,300	1,300		
		Navy Supply Corps School, Athens				191
	992	Child Care Center	1,000	1,000	N/A	477
		Subtotal	1,000	1,000		
		Naval Submarine Base, Kings Bay				192
	255	Bachelor Enlisted Quarters	13,600	13,600	50	193
	905	Community Impact Assistance	3,770	3,770	N/A	195
	437	Dredging Dikes	6,870	6,870	35	197
	169	Magnetic Silencing Facility	18,020	18,020	50	199
	436	Ordnance Operations	5,330	5,330	35	201
	267	Strategic Weapons Magazines	7,600	7,600	35	203
	228	Utilities and Site Improvements	3,720	3,720	35	205
		Subtotal	58,910	58,910		
		TOTAL FOR GEORGIA	61,210	61,210		
Hawaii		Marine Corps Air Station, Kaneohe Bay				207
	404	Maintenance Hangars Modifications	7,950	7,950	100	208
	618	Specialized Compartmented Information Facility	5,200	5,200	100	210
		Subtotal	13,150	13,150		
		Naval Magazine, Lualualei				212
	128	Tomahawk Missile Magazines	4,600	4,600	100	213
		Subtotal	4,600	4,600		

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Hawaii (Continued)		Naval Submarine Base, Pearl Harbor				215
	116	General Purpose Berthing Wharf	$ 18,600	$ 18,600	50	216
		Subtotal	18,600	18,600		
		Naval Submarine Training Center Pacific, Pearl Harbor				218
	021	Fire Fighting and Damage Control Trainer Facilities	5,550	5,550	50	219
		Subtotal	5,550	5,550		
		Navy Public Works Center, Pearl Harbor				221
	464	Sanitary Wastewater System	750	750	35	465
		Subtotal	750	750		
		Naval Communication Area Master Station, Eastern Pacific, Wahiawa				222
	151	Communications Center Security Improvements	8,000	8,000	45	223
		Subtotal	8,000	8,000		
		TOTAL FOR HAWAII	50,650	50,650		
Illinois		Naval Hospital, Great Lakes				225
	301	Bachelor Enlisted Quarters	10,470	10,470	45	226
	302	Hospital Corps School Addition	1,800	1,800	45	228
		Subtotal	12,270	12,270		
		Naval Training Center, Great Lakes				230
	459	Child Care Center	2,300	2,300	60	231
	512	Electricians and Communications Training Building	13,600	13,600	60	233
		Subtotal	15,900	15,900		
		TOTAL FOR ILLINOIS	28,170	28,170		

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Indiana		Naval Avionics Center, Indianapolis				235
	018	Industrial Parts Facility	$ 8,000	$ 8,000	35	236
		Subtotal	8,000	8,000		
		TOTAL FOR INDIANA	8,000	8,000		
Louisiana		Naval Station, Lake Charles				239
	009	Bachelor Enlisted Quarters and Mess Hall	1,340	1,340	100	240
	013	Physical Fitness Facility	2,260	2,260	40	242
		Subtotal	3,600	3,600		
		TOTAL FOR LOUISIANA	3,600	3,600		
Maine		Naval Air Station, Brunswick				244
	993	Child Care Center	1,000	1,000	N/A	478
		Subtotal	1,000	1,000		
		Naval Branch Medical Clinic Brunswick				245
	304	Aviation Physiology Training Facility	2,650	2,650	50	246
		Subtotal	2,650	2,650		
		Portsmouth Naval Shipyard, Kittery				248
	994	Child Care Center	1,000	1,000	N/A	478
		Subtotal	1,000	1,000		
		TOTAL FOR MAINE	4,650	4,650		
Maryland		Naval Academy, Annapolis				249
	256	Bancroft Hall Expansion (Phase I)	48,000	24,000	35	250
		Subtotal	48,000	24,000		
		Naval Explosive Ordnance Disposal Technology Center, Indian Head				252
	034	Ordnance Countermeasures Laboratory	7,700	7,700	100	253
		Subtotal	7,700	7,700		

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Maryland (Continued)		Naval Ordnance Station, Indian Head				255
	059	Mix, Cast, Cure Facility	$ 10,670	$ 10,670	100	256
		Subtotal	10,670	10,670		
		Naval Air Test Center, Patuxent River				259
	475	Aircraft Flight Systems Equipment Laboratory	2,000	2,000	60	260
	480	Flight Test Hangar	15,000	15,000	95	263
		Subtotal	17,000	17,000		
		Naval Electronic Systems Engineering Activity, St. Inigoes				265
	719	Utilities Improvements (Increment II)	2,950	2,950	100	266
		Subtotal	2,950	2,950		
		Naval Support Facility, Thurmont				509a
	123	Family Housing	1,160	1,160	N/A	510
		Subtotal	1,160	1,160		
		TOTAL FOR MARYLAND	87,480	63,480		
Mississippi		Naval Air Station, Meridian				268
	266	Aircraft Maintenance Facilities	11,800	11,800	35	269
		Subtotal	11,800	11,800		
		Naval Station, Pascagoula				271
	017	Physical Fitness Facility	2,220	2,220	60	272
		Subtotal	2,220	2,220		
		TOTAL FOR MISSISSIPPI	14,020	14,020		
Nevada		Naval Air Station, Fallon				274
	995	Child Care Center	1,000	1,000	N/A	479
		Subtotal	1,000	1,000		
		TOTAL FOR NEVADA	1,000	1,000		

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New Jersey		Navy Publications and Printing Serivce Detachment Office, Bayonne				275
	001	Printing Plant	$ 1,000	$ 1,000	35	480
		Subtotal	1,000	1,000		
		Naval Weapons Station, Earle				276
	847	Family Services Center	570	570	N/A	480
	825	Projectile Magazines	13,700	13,700	50	277
		Subtotal	14,270	14,270		
		TOTAL FOR NEW JERSEY	15,270	15,270		
New Mexico		Naval Space Surveillance Field Station, Elephant Butte				279
	009	Space Surveillance Antenna Modernization	4,700	4,700	90	280
		Subtotal	4,700	4,700		
		TOTAL FOR NEW MEXICO	4,700	4,700		
New York		Naval Station, New York				282
	092	Bachelor Enlisted Quarters	4,600	4,600	100	283
	091	Child Care Center	3,000	3,000	35	285
	090	Utilities and Site Improvements	18,040	18,040	100	287
		Subtotal	25,640	25,640		
North Carolina		Marine Corps Base, Camp Lejeune				289
	229	Electronics Communications Maintenance Shop	4,200	4,200	100	290
	644	Electronics Communications Maintenance Shop	7,200	7,200	50	292
	809	Mechanics Training Building (Increment II)	4,400	4,400	100	294
	663	Mess Hall	5,410	5,410	100	296
		Subtotal	21,210	21,210		

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North Carolina (Continued)		Marine Corps Air Station, Cherry Point				298
	048	Aircraft Bombing Range Modifications (Increment II)	$ 1,800	$ 1,800	50	299
	821	Applied Instruction Facilities	5,350	5,350	40	302
	012	Bachelor Enlisted Quarters	13,070	13,070	50	304
	889	Flight Line Security Improvements	3,600	3,600	35	306
		Subtotal	23,820	23,820		
		Marine Corps Air Station, New River				308
	525	Aviation Maintenance Training Building	6,000	6,000	75	309
	496	Flight Line Security Improvements	2,500	2,500	100	311
	543	Maintenance Hangar Additions	5,200	5,200	90	313
	520	Operational Trainer Facility	7,400	7,400	75	315
		Subtotal	21,100	21,100		
		TOTAL FOR NORTH CAROLINA	66,130	66,130		
Oklahoma		Naval Air Detachment, Tinker Air Force Base				317
	090	Aircraft Support Facilities (Increment III)	21,500	21,500	35	318
		Subtotal	21,500	21,500		
		TOTAL FOR OKLAHOMA	21,500	21,500		
Rhode Island		Naval Education and Training Center Newport				320
	365	Electrical Distribution System	8,000	8,000	35	321
		Subtotal	8,000	8,000		
		TOTAL FOR RHODE ISLAND	8,000	8,000		
South Carolina		Marine Corps Air Station, Beaufort				323
	375	Aviation Armament Shop	3,950	3,950	50	324
	354	Child Care Center	970	970	100	480
		Subtotal	4,920	4,920		

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South Carolina (Contin-ued)		Naval Supply Center, Charleston				326
	826	Emergency Generators	$ 700	$ 700	100	481
		Subtotal	700	700		
		TOTAL FOR SOUTH CAROLINA	5,620	5,620		
Tennessee		Naval Air Station, Memphis				327
	033	Barracks	10,000	10,000	35	328
		Subtotal	10,000	10,000		
		TOTAL FOR TENNESSEE				
Texas		Naval Station, Galveston				330
	016	Physical Fitness Facility	1,750	1,750	40	331
	008	Public Works Facility	1,740	1,740	100	333
	011	Security Facility	510	510	35	482
		Subtotal	4,000	4,000		
		Naval Station, Ingleside				335
	025	Bachelor Enlisted Quarters	6,200	6,200	95	336
	019	Explosive Ordnance Disposal Facility	1,000	1,000	35	482
	021	General Warehouse	4,300	4,300	100	338
	030	Magazines	910	910	35	482
	023	Physical Fitness Facility	4,870	4,870	50	340
	022	Public Works Complex	2,440	2,440	100	342
		Subtotal	19,720	19,720		
		Naval Technical Training Center Detachment, Lackland Air Force Base				344
	001	Security Training Center	4,500	4,500	100	345
		Subtotal	4,500	4,500		
		TOTAL FOR TEXAS	28,220	28,220		
Virginia		Naval Security Group Activity Northwest, Chesapeake				347
	827	Bachelor Enlisted Quarters Addition	1,300	1,300	100	348
		Subtotal	1,300	1,300		

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Virginia (Continued)		Naval Surface Warfare Center Dahlgren				350
	996	Child Care Center	$ 1,000	$ 1,000	N/A	483
		Subtotal	1,000	1,000		
		Marine Environmental Systems Facility, Dam Neck				351
	334	Operations and Maintenance Facilities	8,000	8,000	100	352
		Subtotal	8,000	8,000		
		Naval Amphibious Base, Little Creek				354
	379	Berthing Piers Extensions	3,800	3,800	40	355
	655	Fire Station	1,400	1,400	100	357
		Subtotal	5,200	5,200		
		Naval Air Station, Norfolk				360
	128	Aviation Maintenance Training Facility Addition	4,400	4,400	75	361
		Subtotal	4,400	4,400		
		Naval Eastern Oceanography Center Norfolk				364
	154	Oceanographic Center Addition	680	680	100	483
		Subtotal	680	680		
		Navy Public Works Center, Norfolk				512
	2184	Family Housing Community Center	332	332	N/A	513
		Subtotal	332	332		
		Naval Supply Center, Norfolk				365
	414	General Warehouse	6,200	6,200	75	366
	823	Standby Generator Plant	300	300	75	484
		Subtotal	6,500	6,500		

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State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 89	Page No.
Virginia (Continued)		Naval Air Station, Oceana				368
	182	Avionics Maintenance Training Facilities Addition	$ 1,480	$ 1,480	50	369
	185	Consolidated Automated Support Systems Training Building	2,200	2,200	50	372
	184	Medium Attack Weapons School	6,025	6,025	50	375
	174	Weapons System Training Facility	2,850	2,850	50	378
		Subtotal	12,555	12,555		
		Norfolk Naval Shipyard, Portsmouth				380
	185	Electrical Distribution System Improvements	9,700	9,700	50	381
		Subtotal	9,700	9,700		
		Marine Corps Combat Development Command, Quantico				383
	375	Communication Officers School Addition	3,450	3,450	100	384
		Subtotal	3,450	3,450		
		Naval Supply Center Cheatam Annex Williamsburg				386
	027	Survey Support Facility	18,500	18,500	35	387
		Subtotal	18,500	18,500		
		Naval Weapons Station, Yorktown				389
	439	Harm Missile Magazine	2,900	2,900	60	390
	417	Missile Facility	11,100	11,100	95	392
	472	Missile Magazine	4,920	4,920	35	395
	478	TACIT Rainbow Missile Magazines	2,500	2,500	35	397
		Subtotal	21,420	21,420		
		TOTAL FOR VIRGINIA	93,037	93,037		
Washington		Naval Hospital, Bremerton				399
	016	Bachelor Enlisted Quarters	1,000	1,000	35	484
		Subtotal	1,000	1,000		

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Washington (Continued)		Puget Sound Naval Shipyard Bremerton				400
	997	Child Care Center	$ 1,000	$ 1,000	N/A	484
	620	Industrial Support Complex (Increment I)	20,200	20,200	40	401
		Subtotal	21,200	21,200		
		Puget Sound Naval Supply Center Bremerton				403
	083	Emergency Generators	690	690	35	485
		Subtotal	690	690		
		Naval Station, Everett				404
	087	Carrier Pier (Phase III)	11,200	11,200	100	405
		Subtotal	11,200	11,200		
		Naval Undersea Warfare Engineering Station, Keyport				407
	752	Bachelor Enlisted Quarters Modernization	1,850	1,850	100	408
		Subtotal	1,850	1,850		
		Naval Radio Station Jim Creek Oso				410
	070	Stand-by Generator Plant	1,200	1,200	40	411
		Subtotal	1,200	1,200		
		TOTAL FOR WASHINGTON	37,140	37,140		
		Subtotal - Military Construction	884,470	860,470		
		Subtotal - Military Construction for Family Housing	42,439	42,439		
		TOTAL - INSIDE THE UNITED STATES	926,909	902,909		

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		OUTSIDE THE UNITED STATES				
Ascension Island		Naval Communication Detachment				413
	967	Utilities Support Upgrade	$ 3,500	$ 3,500	80	414
		Subtotal	3,500	3,500		
		TOTAL FOR ASCENSION ISLAND	3,500	3,500		
Australia		Harold E. Holt Naval Communication Station, Exmouth				416
	205	Fire Protection System	610	610	35	486
		Subtotal	610	610		
		TOTAL FOR AUSTRALIA	610	610		
Bahamas		Naval Underwater Systems Center Andros Island				417
	301	Physical Security Improvements	4,140	4,140	35	418
		Subtotal	4,140	4,140		
		TOTAL FOR BAHAMAS	4,140	4,140		
Guam		Mobile Construction Battalion, Camp Covington				421
	378	Mess Hall	4,300	4,300	80	422
		Subtotal	4,300	4,300		
		Fleet Surveillance Support Command				424
	225	Electronic Installation	27,000	27,000	35	425
		Subtotal	27,000	27,000		
		Navy Public Works Center				427
	142	Municipal Sewer Connection	4,150	4,150	N/A	466
		Subtotal	4,150	4,150		
		TOTAL FOR GUAM	35,450	35,450		

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Iceland		Naval Air Station, Keflavik				428
	462	Fuel Facilities	$ 7,500	$ 7,500	100	429
	809	Family Housing	23,213	23,213	N/A	516
		Subtotal	30,713	30,713		
		Naval Communication Station Keflavik				432
	568	Communications Antenna	7,760	7,760	35	433
	467	Transmitter Building Addition	690	690	35	486
		Subtotal	8,450	8,450		
		TOTAL FOR ICELAND	39,163	39,163		
Italy		Naval Support Activity, Naples				435
	1268	Command Control Communications and Intelligence Complex (Increment II)	46,600	46,600	35	436
		Subtotal	46,600	46,600		
		TOTAL FOR ITALY	46,600	46,600		
Japan		Naval Air Facility, Atsugi				439
	095	Maintenance Hangar	14,900	14,900	40	440
		Subtotal	14,900	14,900		
		Marine Corps Base Camp Smedley D. Butler, Okinawa				442
	900	Combined Arms Staff Trainer Facility	3,200	3,200	40	443
		Subtotal	3,200	3,200		
		Marine Corps Air Station Futenma Okinawa				445
	392	Maintenance Hangar Addition	1,950	1,950	40	446
	888	Tactical Support Van Pads	5,500	5,500	100	448
		Subtotal	7,450	7,450		
		TOTAL FOR JAPAN	25,550	25,550		

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Republic of the Philippines		Navy Public Works Center, Subic Bay				520
	802	Family Housing	$ 19,000	$ 19,000	N/A	521
		Subtotal	19,000	19,000		
		TOTAL FOR REPUBLIC OF THE PHILIPPINES	19,000	19,000		
Puerto Rico		Naval Communication Station Roosevelt Roads				450
	133	Transmitter Cooling System	1,300	1,300	45	451
		Subtotal	1,300	1,300		
		TOTAL FOR PUERTO RICO	1,300	1,300		
Scotland		Naval Security Group Activity Edzell				453
	048	Operations Building Addition	5,820	5,820	35	454
		Subtotal	5,820	5,820		
		TOTAL FOR SCOTLAND	5,820	5,820		
United Kingdom		Naval Activities, London				456
	204	Automotive Vehicle Maintenance Shop	730	730	100	487
	215	Bachelor Enlisted Quarters and Mess Hall	9,400	9,400	35	457
		Subtotal	10,130	10,130		
		Subtotal - Military Construction	149,050	149,050		
		Subtotal - Military Construction for Family Housing	42,213	42,213		
		TOTAL - OUTSIDE THE UNITED STATES	191,263	191,263		
Various Locations		Classified Location				
	151A	Seal Team Operations Facilities (Increment II)	5,800	5,800	35	459
		Subtotal	5,800	5,800		

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State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 89	Page No.
Various Locations		Various Locations				
(Continued)	090	Host Nation Infrastructure	$ 1,000	$ 1,000	N/A	488
	090	Land Acquisition	21,000	21,000	N/A	461
	105	Architectural and Engineering Services and Construction Design (MILCON)	84,970	84,970	N/A	468
		(Family Housing)	1,000	1,000	N/A	562
	VAR	Post Acquisitions Construction (Family Housing Improvements)	42,086	42,086	N/A	526
	090	Unspecified Minor Construction	14,000	14,000	N/A	467
	190	Access Roads	5,810	5,810	N/A	469
		Subtotal	169,866	169,866		
		Subtotal - Military Construction	132,580	132,580		
		Subtotal - Military Construction for Family Housing	43,086	43,086		
		TOTAL - VARIOUS LOCATIONS	175,666	175,666		
Total - FY 1990 Military Construction Program			1,166,100	1,142,100		
Total - FY 1990 Military Construction Family Housing Program			127,738	127,738		
GRAND TOTAL			1,293,838	1,269,838		

MISSION STATUS LIST
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		INSIDE THE UNITED STATES		
NS Mobile, AL	024	Mess Hall	$ 880	N
	018	Physical Fitness Facility	2,220	N
	022	Site Improvement Mitigation	865	N
NAS, Adak AK	121	Aircraft Direct Fueling Station	2,300	C
	931	Bachelor Enlisted Quarters Addition	8,700	C
	026	Harpoon Missile Magazine and Inert Storehouse	3,500	C
	114	Ordnance Handling Pad	4,370	C
MCAS, Yuma AZ	438	Aircraft Power Check Pads	900	N
MCAS Camp Pendleton, CA	557	Flight Line Security Improvements	2,100	C
MCB Camp Pendleton, CA	962	Air Defense Operations Center	7,300	C
	923	Bachelor Enlisted Quarters	24,500	C
	763	Combined Arms Staff Trainer Facility	2,800	C
	849	Operations Support Facilities	3,250	N
	623	Tactical Components Storage Facility	850	C
	987	Tactical Systems Test and Support Center	5,000	C
	917	Tactical Vehicle Maintenance Facility	13,900	C
	890	Family Housing	10,150	C
NWC, China Lake CA	369	Missile Engagement Simulation Arena	17,500	N
NWS, Concord, CA	271	Missile Integration Facility	2,440	N
	194	Potable Water System Improvements	3,200	C
NAB Coronado, CA	078	Operational Storage Warehouse	4,370	N
	195	Special Warfare Command Headquarters	3,400	N
SWOSCOMDET Coronado, CA	165	Surface Warfare Instruction Building	4,360	C
NAF El Centro, CA	020	Bachelor Enlisted Quarters	7,200	C
NAS Lemoore, CA	106	Centrifuge Trainer Facility	2,100	C
NS Long Beach, CA	184	Family Housing Office	592	C
NAS Moffett Field, CA	989	Child Care Center	1,000	C
FNOC Monterey, CA	005	Meterological Building Addition	750	C
NPGS Monterey, CA	097	Academic Library Addition	5,000	C
	157	Classroom and Applied Laboratory Facility	11,690	C
NAS, North Island, CA	511	Pier Electric Power Upgrade	6,160	C
FASWTCPAC San Diego, CA	243	Chilled Water Plant Upgrade	820	C
FCTCPAC San Diego, CA	031	Security Upgrade	3,670	C
FITCPAC San Diego, CA	003	Intelligence Training Building Addition	2,500	C
FTC San Diego, CA	002	Fire Fighting Trainer Facility	12,800	C

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Installation/ Location	Proj. No.	Project Title	Cost ($000)	Mission Status
ICSTFAC San Diego,CA	004	Electronics Systems Integration Laboratory	$ 4,100	C
MCRD San Diego, CA	233	Child Care Center	540	C
	189	Mess Hall Addition	2,530	C
NH San Diego, CA	600H	Regional Medical Center-Support Facilities	5,000	C
NOSC San Diego, CA	090	Physics Laboratory Safety Improvements	1,300	C
NS San Diego, CA	109	Child Care Center	1,000	C
NSB San Diego, CA	101	Waterfront Industrial Facility	10,800	N
NTC San Diego, CA	352	Bridge	4,800	C
NPWC San Diego, CA	123	Hazardous Waste Storage Facilities	2,900	C
	081	Municipal Sewer Connection	1,500	C
	1385	Family Housing Warehouse	1,855	C
NPWC San Francisco, CA	082	Handicapped Access Improvements	360	C
	071	Water Supply System Improvements	3,550	C
	523	Family Housing	28,350	C
NWS Seal Beach, CA	129	Missile Magazines	9,000	C
MCAS Tustin, CA	253	Flight Line Security Improvements	2,350	C
	177	Hazardous and Flammable Storehouse	640	C
MCAGCC Twentynine Palms, CA	461	Electronics Communications Maintenance Shop	1,550	C
	053	Small Arms Range Improvements	1,500	C
Mare Island NSY, Vallejo, CA	281	Controlled Industrial Building Addition	6,500	C
NSB New London, CT	169	Bachelor Enlisted Quarters	11,900	C
	377	Boiler Plant Modifications	2,750	C
	991	Child Care Center	1,000	C
	414	Municipal Sewer Connection	3,700	C
	419	Weapons Facilities (Increment II)	1,400	N
	356	Weapons Storage Improvements	3,500	C
NSS New London, CT	174	Operational Trainer Facility	8,200	C
NUSC New London, CT	105	Electromagnetic Systems Laboratory	12,600	C
CMDTND Washington, DC	299	Steam Plant System Modernization	420	C
NAVOBSER Washington, DC	025	Laboratory Expansion	2,500	C
NAS Cecil Field, FL	252	Engine Maintenance Shop	1,070	C
	888	Strike Fighter Weapons	900	C
NH Jacksonville, FL	320	Bachelor Enlisted Quarters	2,080	C
NTC Orlando, FL	482	Electronic Technician School	14,190	N
	177	Fire Fighting Training Facilities	4,210	C
NDSTC Panama City, FL	314	Diver Training Building Addition	4,300	C
NEDU Panama City, FL	347	Underwater Equipment Support Complex	2,900	C
NPWC Pensacola, FL	109	Wastewater Transfer System	2,100	C
MCLB Albany, GA	245	Combat Vehicle Maintenance Shop	1,300	C
NSCS Athens, GA	992	Child Care Center	1,000	C

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NSB Kings Bay, GA	255	Bachelor Enlisted Quarters	$ 13,600	N
	905	Community Impact Assistance	3,770	N
	437	Dredging Dikes	6,870	N
	169	Magnetic Silencing Facility	18,020	N
	436	Ordnance Operations	5,330	N
	267	Strategic Weapons Magazines	7,600	C
	228	Utilities and Site Improvements	3,720	C
MCAS Kaneohe Bay, HI	404	Maintenance Hangars Modifications	7,950	C
	618	Specialized Compartmented Information Facility	5,200	C
NM Lualualei, HI	128	Tomahawk Missile Magazines	4,600	N
NSB Pearl Harbor, HI	116	General Purpose Berthing Wharf	18,600	C
NSTCPAC Pearl Harbor, HI	021	Fire Fighting and Damage Control Trainer Facilities	5,550	C
NPWC Pearl Harbor, HI	464	Sanitary Wastewater System	750	C
NAVCAMSEASTPAC Wahiawa, HI	151	Communications Center Security Improvements	8,000	C
NH Great Lakes, IL	301	Bachelor Enlisted Quarters	10,470	C
	302	Hospital Corps School Addition	1,800	C
NTC Great Lakes, IL	459	Child Care Center	2,300	C
	512	Electricians and Communications Training Building	13,600	C
NAC Indianapolis, IN	018	Industrial Parts Facility	8,000	C
NS Lake Charles, LA	009	Bachelor Enlisted Quarters and Mess Hall	1,340	N
	013	Physical Fitness Facility	2,260	N
NAS Brunswick, ME	993	Child Care Center	1,000	C
NBMC Brunswick, ME	304	Aviation Physiology Training Facility	2,650	C
Portsmouth NSY, Kittery ME	994	Child Care Center	1,000	C
NAVACAD Annapolis, MD	256	Bancroft Hall Expansion (Phase I)	24,000	C
NEOTC Indian Head, MD	034	Ordnance Countermeasures Laboratory	7,700	C
NOS Indian Head, MD	059	Mix, Cast, Cure Facility	10,670	C
NATC Patuxent River, MD	475	Aircraft Flight Systems Equipment Laboratory	2,000	C
	480	Flight Test Hangar	15,000	N
NESEACT St. Inigoes, MD	719	Utilities Improvements (Increment II)	2,950	C
NSF Thurmont, MD	123	Family Housing	1,160	C
NAS Meridian, MS	266	Aircraft Maintenance Facilities	11,800	C
NS Pascagoula, MS	017	Physical Fitness Facility	2,220	N
NAS Fallon, NV	995	Child Care Center	1,000	C
NP&PSDO Bayonne, NJ	001	Printing Plant	1,000	C
NWS Earle, NJ	847	Family Services Center	570	C
	825	Projectile Magazines	13,700	N

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NSSFS Elephant Butte, NM	009	Space Surveillance Antenna Modernization	$ 4,700	C
NS New York, NY	092	Bachelor Enlisted Quarters	4,600	N
	091	Child Care Center	3,000	N
	090	Utilities and Site Improvements	18,040	N
MCB Camp Lejeune, NC	229	Electronics Communications Maintenance Shop	4,200	C
	644	Electronics Communications Maintenance Shop	7,200	C
	809	Mechanics Training Building (Increment II)	4,400	C
	663	Mess Hall	5,410	C
MCAS Cherry Point, NC	048	Aircraft Bombing Range Modifications (Increment II)	1,800	C
	821	Applied Instruction Facilities	5,350	C
	012	Bachelor Enlisted Quarters	13,070	C
	889	Flight Line Security Improvements	3,600	C
MCAS New River, NC	525	Aviation Maintenance Training Building	6,000	N
	496	Flight Line Security Improvements	2,500	C
	543	Maintenance Hangar Additions	5,200	N
	520	Operational Trainer Facility	7,400	N
NAD Tinker AFB, OK	090	Aircraft Support Facilities (Increment III)	21,500	N
NETC Newport, RI	365	Electrical Distribution System	8,000	C
MCAS Beaufort, SC	375	Aviation Arament Shop	3,950	N
	354	Child Care Center	970	C
NSC Charleston, SC	826	Emergency Generators	700	C
NAS Memphis, TN	033	Barracks	10,000	C
NS Galveston, TX	016	Physical Fitness Facility	1,750	N
	008	Public Works Facility	1,740	N
	011	Security Facility	510	N
NS Ingleside, TX	025	Bachelor Enlisted Quarters	6,200	N
	019	Explosive Ordnance Disposal Facility	1,000	N
	021	General Warehouse	4,300	N
	030	Magazines	910	N
	023	Physical Fitness Facility	4,870	N
	022	Public Works Complex	2,440	N
NTTCDET Lackland AFB TX	001	Security Training Center	4,500	C
NSGANW Chesapeake, VA	827	Bachelor Enlisted Quarters Addition	1,300	C
NSWC Dahlgren, VA	996	Child Care Center	1,000	C
MESF Dam Neck, VA	334	Operations and Maintenance Facilities	8,000	N

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Installation/ Location	Proj. No.	Project Title	Cost ($000)	Mission Status
NAB Little Creek, VA	379	Berthing Piers Extension	$ 3,800	N
	655	Fire Station	1,400	C
NAS Norfolk, VA	128	Aviation Maintenance Training Facility Addition	4,400	N
NEOC Norfolk, VA	154	Oceanographic Center Addition	680	C
NPWC Norfolk, VA	2184	Family Housing Community Center	332	C
NSC Norfolk, VA	414	General Warehouse	5,200	C
	823	Standby Generator Plant	300	C
NAS Oceana, VA	182	Avionics Maintenance Training Facilities Addition	1,480	N
	185	Consolidated Automated Support Systems Training Building	2,200	C
	184	Medium Attack Weapons School	6,025	C
	174	Weapons System Training Facility	2,850	C
Norfolk NSY Portsmouth, VA	185	Electrical Distribution System Improvements	9,700	C
MCCDC Quantico, VA	375	Communication Officers School Addition	3,450	C
NSC Cheatam Annex Williamsburg, VA	027	Survey Support Facility	18,500	N
NWS Yorktown, VA	439	Harm Missile Magazine	2,900	C
	417	Missile Facility	11,100	C
	472	Missile Magazine	4,920	N
	478	TACIT Rainbow Missile Magazines	2,500	N
NH Bremerton, WA	016	Bachelor Enlisted Quarters	1,000	C
Puget Sound NSY Bremerton, WA	997	Child Care Center	1,000	C
	620	Industrial Support Complex (Increment I	20,200	C
Puget Sound NSC Bremerton, WA	083	Emergency Generators	690	C
NS Everett, WA	087	Carrier Pier (Phase III)	11,200	N
NUWES Keyport, WA	752	Bachelor Enlisted Quarters Modernization	1,850	C
NRS Jim Creek, Oso, WA	070	Stand-by Generator Plant	1,200	C
		OUTSIDE THE UNITED STATES		
NCDET Ascension Island	967	Utilities Support Upgrade	3,500	C
Harold E. Holt NCS Exmouth, Australia	205	Fire Protection System	610	C
NUSC Andros Island Bahamas	301	Physical Security Improvements	4,140	C
MCB Camp Covington, Guam	378	Mess Hall	4,300	C

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FSSC Guam	225	Electronic Installation	$ 27,000	N
NPWC Guam	142	Municipal Sewer Connection	4,150	C
NAS Keflavik, Iceland	462	Fuel Facilities	7,500	C
	809	Family Housing	23,213	C
NCS Keflavik, Iceland	568	Communications Antenna	7,760	C
	467	Transmitter Building Addition	690	C
NSA Naples, Italy	126B	Command Control Communications and Intelligence Complex (Increment II)	46,600	C
NAF Atsugi, Japan	095	Maintenance Hangar	14,900	C
MCB Camp Smedley D. Butler, Okinawa, Japan	900	Combined Arms Staff Trainer Facility	3,200	C
MCAS Futenma, Okinawa Japan	892	Maintenance Hangar Addition	1,950	C
	888	Tactical Support Van Pads	5,500	C
NPWC Subic Bay, Republic of the Philippines	802	Family Housing	19,000	C
NCS Roosevelt Roads, Puerto Rico	133	Transmitter Cooling System	1,300	C
NSGA Edzell, Scotland	048	Operations Building Addition	5,820	C
NAVACTS London, United Kingdom	204	Automotive Vehicle Maintenance Shop	730	C
	215	Bachelor Enlisted Quarters and Mess Hall	9,400	C
Classified Location	151A	Seal Team Operations Facilities (Increment II)	5,800	N
Various Locations	090	Host Nation Infrastructure	1,000	N/A
	090	Land Acquisition	21,000	N/A
	105	Architectural and Engineering Services and Construction Design (MILCON)	84,970	N/A
		(Family Housing)	1,000	N/A
	VAR	Post Acquisitions Construction (Family Housing Improvements)	42,086	N/A
	090	Unspecified Minor Construction	14,000	N/A
	190	Access Roads	5,810	N/A
Total - Various Locations			169,866	
Total - Current Mission			770,037	
Total - New Mission			329,935	
Total - FY 1990 Military Construction and Family Housing Program			1,269,838	

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BUDGET APPENDIX
EXTRACT

Military Construction, Navy

For acquisition, construction, installation, and equipment of temporary or permanent public works, naval installations, facilities, and real property for the Navy as currently authorized by law, including personnel in the Naval Facilities Engineering Command and other personal services necessary for the purposes of this appropriation, ($1,576,516,000, 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

		Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)				Obligations			
		1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Identification code	17-1205-0-1-051								
	Program by activities:								
	Direct program:								
00.0101	Major construction					90,841			
00.0201	Minor construction					998			
00.0301	Planning					3			
00.0401	Supporting activities					472			
10.0001	Total					97,998			
	Financing:								
	Offsetting collections from:								
11.0001	Federal funds(-)					347			
14.0001	Non-federal sources(-)					44			
17.0001	Recovery of prior year obligations					-381			
	Unobligated balance available, start of year:					-98,954			
21.4002	For completion of prior year budget plans	-858				858			
21.4007	Reprogramming from/to prior year budget plans	858							
25.0001	Unobligated balance lapsing								
39.0001	Budget authority								

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 programmed)				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					43,053	25,477		
00.0201 Minor construction					411	718		
00.0301 Planning					48	6		
00.0401 Supporting activities					530	109		
00.9101 Total direct program					44,040	26,292		
01.0101 Reimbursable program					10			
10.0001 Total					44,050	26,302		
Financing:								
Offsetting collections from:								
11.0001 Federal funds(-)					281			
14.0001 Non-Federal sources(-)					-11			
17.0001 Recovery of prior year obligations					-281			
Unobligated balance available, start of year:					-71,221	-26,302		
21.4002 For completion of prior year budget plans	-6,000				-6,000			
21.4003 Available to finance new budget plans					26,302			
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans					-6,000			
40.0017 Budget authority (Appropriation rescinded)	-6,000							

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 programmed)				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					98,819	41,715	26,175	
00.0201 Minor construction					124	438	329	
00.0301 Planning					8	42	31	
00.0401 Supporting activities					748	662	497	
00.9101 Total direct program					98,700	42,857	27,032	
01.0101 Reimbursable program					100			
10.0051 Total					98,800	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					-2,146			
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-126,590	-69,089	-27,032	
21.4003 Available to finance new budget plans	-24,345				-24,345			
22.4001 Unobligated balance transferred to other accounts	4,945				4,945			
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans					69,089	27,032		
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 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					43,667	35,813	24,011	24,832
00.0201 Minor construction					469	719	643	434
00.0301 Planning					397	183	164	112
00.0401 Supporting activities					1,407	1,919	823	956
00.0101 Total direct program					45,924	38,633	25,641	26,834
01.0101 Reimbursable program					17,124			
10.0001 Total					63,048	38,633	25,641	26,834
Financing:								
Offsetting collections from:								
11.0001 Federal funds(-)					-12,802			
14.0001 Non-federal sources(-)					-2,878			
17.0001 Recovery of prior year obligations					-1,845			
Unobligated balance available, start of year:					-139,833	-89,908	-51,275	-25,634
21.4002 For completion of prior year budget plans	-210				-210			
21.4003 Available to finance new budget plans	198							
21.4007 Reprogramming from/to prior year budget plans	210				210			
22.4001 Unobligated balance transferred to other accounts								
Unobligated balance available, end of year:					89,908	51,275	25,634	
24.4002 For completion of prior year budget plans	198				198			
42.0001 Budget authority (Transferred from other acc								

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 programmed)				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	1,207,854				1,007,026	62,270	54,097	26,888
00.0201 Minor construction	18,900				14,436	1,300	160	- 400
00.0301 Planning	130,000				129,035	365		
00.0101 Total direct program	1,414,154				1,241,097	64,023	54,257	27,128
01.0101 Reimbursable program	394,404				394,404			
10.0001 Total	1,808,558				1,635,101	64,023	54,257	27,128
Financing:								
Offsetting collections from:								
11.0001 Federal funds(-)	-203,500				-203,500			
14.0001 Non-Federal sources(-)	-190,810				-190,810			
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 programmed)				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		1,419,397				1,269,091	45,942	49,630
00.0201 Minor construction		16,300				11,655	2,853	852
00.0301 Planning		129,000				99,887	24,190	5,531
00.0401 Supporting activities		11,819				8,451	2,068	479
00.0101 Total direct program		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:								
21.4002 For completion of prior year budget plans							-187,652	-112,591
Unobligated balance available, end of year:						187,652	112,591	56,296
24.4002 For completion of prior year budget plans								
40.0001 Budget authority (Appropriation)		1,576,516				1,576,516		

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 programmed)				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	2,075
00.0301 Planning			84,970				69,909	14,027
00.0401 Supporting activities			5,810				3,039	1,346
00.9101 Total direct program			1,142,100				997,090	57,084
01.0101 Reimbursable program			300,000				300,000	
10.0001 Total			1,442,100				1,297,090	57,084
Financing:								
Offsetting collections from:								
11.0001 Federal funds(-)			-204,000				-204,000	
14.0001 Non-federal sources(-)			-95,200				-95,200	
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans								-144,210
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans							144,210	86,836
40.0001 Budget authority (Appropriation)			1,142,100				1,142,100	

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 progranned)				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				1,200,204				1,069,000
00.0201 Minor construction				15,500				13,220
00.0301 Planning				82,499				74,074
00.0401 Supporting activities				4,817				2,272
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(-)				-204,000				-204,000
12.0001 Non-Federal sources(-)				-99,200				-99,200
Unobligated balance available, end of year:								161,030
24.0002 For completion of prior year budget plans				1,310,300				1,310,300
40.0001 Budget authority (Appropriation)								

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 programmed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
00.0001 Major construction	1,207,054	1,419,207	1,037,320	1,308,304	1,207,000	1,435,166	1,004,212	1,198,571
00.0002 Minor construction	18,000	18,300	14,000	19,000	18,014	14,000	14,140	17,740
00.0201 Planning	130,000	129,000	84,975	81,400	130,004	99,483	94,302	94,944
00.0401 Supporting activities		11,010	5,010	4,017	3,983	11,221	7,227	5,147
00.9101 Total direct program	1,414,954	1,578,516	1,142,100	1,310,300	1,447,157	1,560,750	1,179,001	1,316,011
01.0101 Reimbursable program	384,404	300,000	300,000	300,000	411,638	300,000	300,000	300,000
10.0001 Total	1,800,358	1,878,516	1,442,100	1,610,300	1,858,795	1,860,750	1,479,001	1,616,011
Financing:								
Offsetting collections from:								
11.0001 Federal funds(-)	-283,000	-284,000	-284,000	-284,000	-213,400	-284,000	-284,000	-284,000
14.0001 Non-federal sources(-)	-100,818	-95,300	-95,300	-95,300	-100,048	-95,300	-95,300	-95,300
17.0001 Recovery of prior year obligations					-4,043			
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-302,000	-350,636	-374,393	-330,612
21.4003 Available to finance new budget plans					-31,355			
21.4007 Reappropriations from/to prior year budget plans	-31,355							
22.4001 Unobligated balance transferred to other accounts	-400							
Unobligated balance available, end of year:	5,195				5,195			
24.4002 For completion of prior year budget plans								
26.0001 Unobligated balance lapsing	850				300,030	374,393	330,612	330,001
					850			
39.0001 Budget authority	1,300,152	1,878,516	1,142,100	1,310,300	1,300,152	1,878,516	1,142,100	1,310,300
Budget authority:								
40.0001 Appropriation								
40.0217 Appropriation rescinded (unobligated balance)	1,417,311	1,878,516	1,142,100	1,310,300	1,417,311	1,878,516	1,142,100	1,310,300
41.0001 Transferred to other accounts(-)	-28,200				-28,200			
42.0001 Transferred from other accounts	-39,010				-39,010			
	32,000				32,000			
43.0001 Appropriation (adjusted)	1,300,152	1,878,516	1,142,100	1,310,300	1,300,152	1,878,516	1,142,100	1,310,300
Relation of obligations to outlays:								
71.0001 Obligations incurred, net					1,401,750	1,860,750	1,179,001	1,316,011
72.4001 Obligated balance, start of year					1,797,100	1,530,940	1,578,290	1,328,000
74.4001 Obligated balance, end of year					-1,530,940	-1,578,290	-1,328,000	-1,388,101
77.0001 Adjustments in expired accounts					1,519			
78.0001 Adjustments in unexpired accounts					-4,043			
90.0001 Outlays					1,700,824	1,827,400	1,422,100	1,304,000

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	81,763	80,867	95,042	90,200
111.201 Other than full-time permanent	5,382	7,442	3,585	3,726
111.501 Other personnel compensation	2,488	2,947	3,980	3,980
111.991 Total personnel compensatio	89,833	99,056	102,107	103,076
112.101 Personnel Benefits: Civilian pe[illegible]nel	17,886	17,282	17,035	17,322
113.001 Benefits for former personnel	205			
121.001 Travel and transportation of per[illegible]	4,879	5,244	5,230	5,272
122.001 Transportation of things	1,533	2,007	2,277	2,277
123.201 Rental payments to others	5,251	5,404	5,400	5,200
124.001 Printing and reproduction	2,012	1,401	1,277	1,230
Other services:				
125.001 Payments to foreign national[illegible]ect hire personnel	2,105	1,140	1,291	1,271
125.002 Contracts	34,087	34,121	20,130	24,034
126.001 Supplies an[illegible]ials	2,382	2,401	2,042	1,000
131.001 Equipment	2,102	1,040	1,500	1,530
132.001 Land and str[illegible]	1,301,300	1,377,705	1,000,051	1,140,530
199.001 Total Direct obligations	1,442,994	1,549,530	1,172,054	1,310,004
Reimbursable obligations:				
Personnel Compensation:				
211.101 Full-time permanent	19,787	14,195	13,715	14,082
211.201 Other than full-time permanent	1,870	909	1,011	900
211.501 Other personnel compensation	506	486	545	982
211.991 Total personnel compensation	22,183	15,050	15,271	15,976
212.101 Personnel Benefits: Civilian Personnel	4,225	2,772	2,500	2,711
221.001 Travel and transportation of persons	847	550	550	550
222.001 Transportation of things	32	20	20	20
223.201 Rental payments to others	116	116	116	116
224.001 Printing and reproduction	3,848	2,000	2,000	2,000
Other services:				
225.002 Contracts	1,202	1,020	1,020	1,020
226.001 Supplies and materials	80	80	80	80
231.001 Equipment	100	100	100	100
232.001 Land and structures	378,386	276,904	277,400	276,000
299.001 Total Reimbursable obligations	411,020	300,000	300,000	300,000
Allocation Accounts				
Personnel compensation:	22	24	24	26
311.101 Full-time permanent	11	11	11	11
311.201 Other than full-time permanent	5	5	5	5
311.501 Other personnel compensation	38	40	40	42
311.991 Total personnel compensation				

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.
		4	4	4	4
11.1.001	Personnel benefits: Civilian personnel	23	24	24	24
321.001	Travel and transportation of persons	12	12	12	12
322.001	Transportation of things	123	125	125	125
	Other services:	4	4	4	4
325.004	Other	2,057	11,012	7,010	4,000
320.001	Supplies and materials	2,103	11,221	7,227	9,147
332.001	Land and structures				
990.001	Total Allocation Accounts	1,000,706	1,000,790	1,470,001	1,010,001
900.001	Total obligations				
	Obligations are distributed as follows:	1,000,603	1,000,530	1,472,004	1,010,004
	Defense-Military/Navy	2,103	11,221	7,227	9,147
	Department of Transportation	1,000,706	1,000,790	1,470,001	1,010,001
	Total Obligations				

SPECIAL PROGRAM CONSIDERATIONS

DEPARTMENT OF THE NAVY
FY 1990 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.

DEPARTMENT OF THE NAVY
FY 1990 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

a. Modular Construction: Select two projects per Service in the 1990 program to be accomplished using modular construction. HAC Report 100-620, dated May 12, 1988, page 11. The following projects satisfy this requirement:

NWS Earle, NJ, P-847, Family Service Center
NAS Adak, AK, P-931, BEQ Addition

b. Stress Tension Fabric: Each Service is directed to recommend one project in the FY 1990 budget using stress tension fabric. HAC Report 100-620, dated May 12, 1988, page 11. The following project satisfies this requirement:

MCAS Beaufort, SC, P-375, Aviation Arament Shop

c. NAS Jacksonville, FL, BEQ: Navy is directed to include this project as part of the FY 1990 budget. HAC Report 100-620, dated May 12, 1988, page 16. This project, P-467, is not in the FY 1990 budget request.

d. NATC Patuxent River, MD, Test Pilot School: Department is directed to include this project in the FY 1990 budget request. SAC Report 100-380, dated June 9, 1988, page 29. This project, P-427, is not in the FY 1990 budget request.

e. NAS Fallon, NV, Navy Combat SAR Support Facility: Navy is directed to include this project in the FY 1990 budget request. SAC Report 100-380, dated June 9, 1988, page 29. Navy has no requirement for this project.

f. San Jose, Tinian, CNMI, Harbor Improvement: Navy is directed to program sufficient funds in the FY 1990 budget request for these projects. SAC Report 100-380, dated June 9, 1988, page 29. This project is currently under preliminary development.

DEPARTMENT OF THE NAVY
FY 1990 MILITARY CONSTRUCTION PROGRAM

Special Program Considerations (Continued)

Congressional Report Requirements (Continued)

g. Portsmouth NSY, Kittery, ME, Drydock Cover: Include the project for modernization and cover 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.

h. NESEC Charleston, SC, Communications Systems Laboratory: Navy is directed to include this project in the FY 1990 budget request. CASC Report 100-989, dated September 28, 1988, page 500-01. This project is not in the FY 1990 budget request.

Special Operating Forces

The total amount for special operating forces projects in the FY 1990 budget request is $19,970,000 and includes the following projects:

PROJECT	LOCATION	AMOUNT REQUESTED ($000)
Seal Team Operations Facilities (Incr II)	Classified Location	5,800
Operational Storage Warehouse	NAB Coronado, CA	4,370
Special Warfare Command Headquarters	NAB Coronado, CA	3,400

"F" INSIDE U.S.

PROJECT JUSTIFICATION FORMS
INSIDE THE UNITED STATES

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, MOBILE, ALABAMA	COMMANDER IN CHIEF, ATLANTIC FLEET	.91

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	106	1443	448	0	0	0	0	0	0	1997

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 88		0
c. AUTHORIZATION NOT YET IN INVENTORY		60,400
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,970
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		64,370

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
722.10	MESS HALL	LS	880	05/88	09/89
740.43	PHYSICAL FITNESS FACILITY	16,600 SF	2,220	05/88	09/89
232.20	SITE IMPROVEMNT MITIGATION	LS	870	07/88	04/89
	TOTAL		3,970		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

New homeport for two guided missile destroyers and two guided missile frigates. A Naval Reserve Force minesweeper will also be homeported here. Ship arrivals at this homeport are scheduled for 1991.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, MOBILE, ALABAMA	PHYSICAL FITNESS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	740.43	P-018	2,220

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICAL FITNESS FACILITY.	SF	16,600	-	1,670
GYMNASIUM.	SF	14,800	84.00	(1,240)
INDOOR PLAYING COURTS.	SF	1,800	89.00	(160)
OUTDOOR PLAYING COURTS AND FIELDS.	LS	-	-	(270)
SUPPORTING FACILITIES.	-	-	-	330
UTILITIES.	LS	-	-	(210)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(120)
SUBTOTAL	-	-	-	2,000
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,100
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,220
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry building, concrete foundation and floor, insulated metal roof, fire protection and security systems, air conditioning, utilities; outdoor playing courts and fields, paving, lighting, fencing.

11. REQUIREMENT: 16,600 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides physical fitness facilities. (New mission.)
REQUIREMENT: Adequate facilities for maintaining physical fitness of ships' crew and shore personnel to support homeporting two guided missile destroyers and two guided missile frigates of the Carrier Battle Group that are part of the Navy's strategic homeporting initiative on the Gulf Coast. In addition to the Carrier Battle Group escorts, a Naval Reserve force minesweeper will also be homeported in Mobile.
CURRENT SITUATION: Naval Station, Mobile is under construction and physical fitness facilities do not exist.
IMPACT IF NOT PROVIDED: Personnel support facilities for homeporting the Carrier Battle Group escorts will not be available, impairing the ability of Mobile to effectively support strategic homeporting.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, MOBILE, ALABAMA

4. PROJECT TITLE	5. PROJECT NUMBER
PHYSICAL FITNESS FACILITY	P-018

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 1989	40
(c)	Date Design 35% Complete	10-88
(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	(115)
(b)	All Other Design Costs	(100)
(c)	Total	215
(d)	Contract	(145)
(e)	In-house	(70)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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	1946

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		18,870
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		19,170
g. REMAINING DEFICIENCY		56,600
h. GRAND TOTAL		471,070

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116.55	ORDNANCE HANDLING PAD	27,170 SY	4,370	04/88	10/89
121.10	AIRCRFT DIRECT FUELING STA	LS	2,300	06/88	05/89
421.72	HARP MSL MAG & INERT STRHS	6,500 SF	3,500	05/88	10/89
721.11	BACH ENLISTED QTRS ADDN	32,430 SF	8,700	-	-
	TOTAL		18,870		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

833.20	SOLID WASTE DISPOSAL FAC	LS	3,200	11/88	01/90
	TOTAL		3,200		

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BEQ MODERNIZATION	43,520 SF	8,250
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 19_90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, ADAK, ALASKA	AIRCRAFT DIRECT FUELING STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	121.10	P-121	2,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT DIRECT FUELING STATION.	LS	-	-	2,080
SUBTOTAL	-	-	-	2,080
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,180
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Aircraft direct fueling station, two outlets, two 25,000-gallon fuel storage tanks, steel frame shelter, pumps, piping, communications, grounding, fire protection systems, utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides a direct fueling station with two outlets for anti-submarine warfare P-3 aircraft. (Current mission.)

REQUIREMENT: Adequate aircraft support facilities including a fixed-point direct fueling capability for more efficient and dependable mission support for anti-submarine P-3 aircraft operations.

CURRENT SITUATION: Fueling procedures utilize tank trucks in conveying aircraft fuel from distant storage to the area of operations. The long transportation time from storage tanks to the aircraft exposes fueling operations to additional impeding factors such as weather, road conditions, vehicle mechanical breakdown, and a reduced state of readiness in emergency situations. Oil spills have been experienced in the past by truck spillage and presents a very serious threat to the environment.

IMPACT IF NOT PROVIDED: Continued inefficient and undependable mission support. Vital anti-submarine warfare missions could be delayed awaiting aircraft fueling. Continuous use of fuel transfer by vehicle is hazardous in Adak's irregular terrain and weather and could result in a serious and harmful oil spill.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, ADAK, ALASKA

4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT DIRECT FUELING STATION	P-121

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 1989	60
(c)	Date Design 35% Complete	9-88
(d)	Date Design Complete	5-89

(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	(45)
(b)	All Other Design Costs	(50)
(c)	Total	95
(d)	Contract	(85)
(e)	In-house	(10)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, ADAK, ALASKA	BACHELOR ENLISTED QUARTERS ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	721.11	P-931	8,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS ADDITION.	SF	32,430	213.00	6,910
SUPPORTING FACILITIES.	-	-	-	950
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(480)
ELECTRICAL AND MECHANICAL UTILITIES. . . .	LS	-	-	(180)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(290)
SUBTOTAL	-	-	-	7,860
CONTINGENCY (5%)	-	-	-	390
TOTAL CONTRACT COST.	-	-	-	8,250
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	450
TOTAL REQUEST.	-	-	-	8,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two 3-story building wing additions, pile foundation, concrete floors, wood-stud framed modular construction, standing rib metal roof, fire protection system, utilities; 45 two-bedroom modules with private bathrooms; lounges, laundry, storage, vending, mechanical equipment. Grade mix: 40 E1-E4, 70 E5-E6. Total: 110.

11. REQUIREMENT: 1,356 PN. ADEQUATE: 1,245 PN. SUBSTANDARD: 189 PN.
PROJECT: Provides adequate billeting for 110 enlisted personnel, either assigned to the station or to tenant commands and rotational P-3 squadrons. (Current mission.)
REQUIREMENT: Adequate housing for 1,356 enlisted personnel.
CURRENT SITUATION: Existing adequate berthing capacity of 1,246 spaces, including 189 substandard spaces requiring modernization, is insufficient, resulting in overcrowding. Because of Adak's extreme isolation, there are no civilian facilities which can be utilized to assist in minimizing the requirements of this project. A new construction deficiency of 110 adequate billeting spaces exists. After construction of the spaces requested by this project, billeting requirements will be satisfied.
IMPACT IF NOT PROVIDED: Overcrowding of adequate facilities will continue, and personnel will be berthed in facilities below minimum standards of adequacy, to the detriment of morale and career retention efforts.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL AIR STATION, ADAK, ALASKA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
BACHELOR ENLISTED QUARTERS ADDITION	P-931

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 1989	*
(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: 11-89 (month and year)

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

* Performance specification to limit acquisition to modular construction only.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, ADAK, ALASKA	HARPOON MISSILE MAGAZINE AND INERT STOREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	421.72	P-026	3,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HARPOON MISSILE MAGAZINE & INERT STOREHOUSE.	SF	6,500	-	1,570
MISSILE MAGAZINE	SF	1,200	500.00	(600)
INERT STOREHOUSE	SF	5,300	183.00	(970)
SUPPORTING FACILITIES.	-	-	-	1,590
UTILITIES.	LS	-	-	(970)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(620)
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 earth-covered reinforced concrete missile magazine, one pre-engineered steel building, concrete loading dock, monorail for missile handling; lighting, fire protection, and security systems; utilities.

11. REQUIREMENT: 6,500 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a HARPOON missile magazine and an inert storehouse. (Current mission.)

REQUIREMENT: Adequate facility for the assembly, testing, and storing of HARPOON missiles. An inert storehouse for suitable storage of critical inert materials in support of the missile magazine. This station is tasked with supporting a squadron of nine anti-submarine warfare P-3C aircraft, plus an additional transient loading of three P-3C aircraft, all to be HARPOON missile capable.

CURRENT SITUATION: There are no facilities available on station to support the missile workload. Improper and make-shift facilities are presently being utilized, jeopardizing the missile mission support. The existing deteriorated inert storage facilities were built over 40 years ago and have been condemned. These facilities are several miles from the needed location with access over rough roads often impassable during winter snows.

IMPACT IF NOT PROVIDED: Marginal support of assigned mission because of forced use of improper and make shift facilities. Probability exists for unacceptably long reaction time to deploy HARPOON missiles as well as potential damage to the missiles or injury to personnel.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, ADAK, ALASKA

4. PROJECT TITLE	5. PROJECT NUMBER
HARPOON MISSILE MAGAZINE AND INERT STOREHOUSE	P-026

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 1989	50
(c) Date Design 35% Complete	9-88
(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	(65)
(b) All Other Design Costs	(5)
(c) Total	70
(d) Contract	(0)
(e) In-house	(70)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 19_90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, ADAK, ALASKA	ORDNANCE HANDLING PAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	116.53	P-114	4,370

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ORDNANCE HANDLING PAD.	SY	27,170	-	3,790
PAD.	SY	16,550	157.00	(2,600)
TAXIWAY.	SY	10,620	112.00	(1,190)
SUPPORTING FACILITIES.	-	-	-	150
UTILITIES.	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	LS	-	-	3,940
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST.	-	-	-	4,140
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	230
TOTAL REQUEST.	-	-	-	4,370
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-		-(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Asphaltic and reinforced concrete pads with aircraft tie-downs, grounding system; access road; widen taxiway; utilities.

11. REQUIREMENT: 27,170 SY. ADEQUATE: 0 SY. SUBSTANDARD: 0 SY.
PROJECT: Provides a safe and secure area to handle P3C and C-141 aircraft ordnance loading and unloading. (Current mission.)
REQUIREMENT: Adequate sized red label area to accommodate loading and unloading of aircraft ordnance. Since the fall of 1974, the Air Force C-141 flight captains have been refusing to enter the red label area to load or unload ordnance. This decision is a direct result of the poor condition and inadequate size of the area, and the fact that ordnance is presently being handled in an unsafe area at the end of the runway.
CURRENT SITUATION: The existing red label area and access taxiway have experienced general wide-spread wear and erosion since the area was last paved in 1963. Debris from the poor surface litters the area causing aircraft operating in this area to be highly susceptible to foreign object damage. Aircraft operations in this area pose a continuous large threat to the security of personnel, equipment, and explosives.
IMPACT IF NOT PROVIDED: The red label area would continue to be unsuitable and unused for aircraft ordnance operations. Ordnance would continue to he handled on a taxiway near the approach end of one runway. An explosive disaster in this area could result in the loss of the facility's primary runway and taxiway and seriously cripple the facility's ability to perform it's mission. (Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, ADAK, ALASKA

4. PROJECT TITLE	5. PROJECT NUMBER
ORDNANCE HANDLING PAD	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	4-88
(b)	Percent Complete as of January 1989	60
(c)	Date Design 35% Complete	9-88
(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	(70)
(b)	All Other Design Costs	(35)
(c)	Total	105
(d)	Contract	(20)
(e)	In-house	(85

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

1. COMPONENT	FY 1990 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 08/30/88	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		900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		46,660
g. REMAINING DEFICIENCY		96,580
h. GRAND TOTAL		302,980

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.89	AIRCRFT POWER CHECK PADS	LS	900	02/88	11/88
	TOTAL		900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

441.10	AVIATION SUPPLY WAREHOUSE	46,390 SF	3,000	11/88	01/90
	TOTAL		3,000		

B. MAJOR PLANNED NEXT THREE YEARS:

136.48	WHEEL WATCH/WAVEOFF FAC	LS	800
211.06	MAINTENANCE HANGAR	37,300 SF	12,240
740.43	PHYSICAL FITNESS CTR ADDN	3,730 SF	620
116.35	ARM/DE-ARMING PADS	25,200 SY	2,000

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 1990 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		2,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,900
f. PLANNED IN NEXT THREE PROGRAM YEARS		11,040
g. REMAINING DEFICIENCY		23,680
h. GRAND TOTAL		97,640

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	FLIGHT LINE SEC IMPROVES	LS	2,100	09/86	05/89
	TOTAL		2,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

218.20	CONSTR & WT HNDLG EQP SHOP	25,390 SF	3,900	04/88	09/89
	TOTAL		3,900		

B. MAJOR PLANNED NEXT THREE YEARS:

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
143.47	ALERT FORCE BLDG	LS	450

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA	FLIGHT LINE SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	872.10	P-557	2,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLIGHT LINE SECURITY IMPROVEMENTS.	LS	-	-	850
FENCING.	LF	21,300	24.00	(510)
LIGHTING	LS	-	-	(290)
GUARD HOUSES	LS	-	-	(50)
SUPPORTING FACILITIES.	-	-	-	1,040
ELECTRICAL UTILITIES	LS	-	-	(550)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(490)
SUBTOTAL	-	-	-	1,890
CONTINGENCY (5%)	-	-	-	100
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

Seven-foot high chain link security fence with three strand barbed wire outrigger on one side; sliding and rolling gates; pedestrian turnstiles; warning signs; lighting along fence; guard houses; perimeter patrol road; utilities; demolition of one building.

11. REQUIREMENT: As Required.

PROJECT: Constructs a physical security barrier around the flight line and aviation core element of the air station. (Current mission.)

REQUIREMENT: Prevent unauthorized access to military aircraft, aircraft weapon components, and sensitive support systems. Improved security to protect assets from terrorism and vandalism.

CURRENT SITUATION: Since MCAS Camp Pendleton lies within the larger perimeter of MCB Camp Pendleton, there are no physical barriers to prevent intrusion by unauthorized individuals. The air station is home base for over 120 aircraft which provide all the attack and light utility helicopter support for all West Coast Marine Corps activities. These aircraft are maintained and parked in an unfenced flight line exposed to potential terrorist attack. The air station has a very critical problem with unauthorized intruders. Up to 25 people per week, mostly illegal aliens, have been apprehended on the flight line or other critical areas of the station.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
FLIGHT LINE SECURITY IMPROVEMENTS	P-557

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: The flight line will continue to be vulnerable to the potential threat of sabotage, espionage, pilferage, and vandalism. The assets involved are individually high cost aircraft vital to the National Defense effort. In addition to the high cost, the long lead time to replace loss of these assets would seriously jeopardize Fleet Marine Force 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	9-86
(b)	Percent Complete as of January 1989	75
(c)	Date Design 35% Complete	12-86
(d)	Date Design Complete	5-89

(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	(75)
(c)	Total	125
(d)	Contract	(110)
(e)	In-house	(15)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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 30/SEP/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		57,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		25,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		56,690
g. REMAINING DEFICIENCY		228,780
h. GRAND TOTAL		1,062,300

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
171.35	COMB ARMS STAFF TRAINR FAC	14,000 SF	2,800	04/88	10/89
214.51	OPERATIONS SUPPORT FACS	21,190 SF	3,250	04/88	08/89
214.51	TACTICAL VEH MAINT FAC	73,100 SF	13,900	01/86	04/89
214.51	AIR DEFENSE OPERATIONS CTR	30,620 SF	7,300	03/88	06/89
317.10	TACT SYS TEST & SPT CTR	29,210 SF	5,000	04/88	10/89
441.12	TACT COMPONENTS STRG FAC	LS	850	04/88	01/89
721.11	BACHELOR ENLISTED QUARTERS	258,850 SF	24,500	03/88	09/89
	TOTAL		57,600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

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		

B. MAJOR PLANNED NEXT THREE YEARS:

143.45	BWT SUPT FACS (SAN ONOFRE)	LS	750
143.45	ARMORY (PULGAS)	LS	340

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	8,950
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	1,350

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1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	721.11	P-923	24,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	258,850	-	18,370
BILLETING AREA	SF	252,010	67.00	(16,880)
ADMINISTRATION AREA.	SF	6,840	90.00	(620)
BUILDING ALTERATIONS	LS	-	-	(170)
BUILT-IN EQUIPMENT	LS	-	-	(700)
SUPPORTING FACILITIES.	-	-	-	3,740
UTILITIES.	LS	-	-	(1,400)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(2,340)
SUBTOTAL	-	-	-	22,110
CONTINGENCY (5%)	-	-	-	1,110
TOTAL CONTRACT COST.	-	-	-	23,220
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	1,280
TOTAL REQUEST.	-	-	-	24,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three four-story and one two-story reinforced concrete and masonry buildings, concrete foundations and floors, built-up roofs, separate adjacent one-story reinforced concrete mechanical buildings, energy saving electronic monitored air conditioning and heating, company offices, fire alarm and protection systems, utilities; pedestrian overpass; 238 two-bedroom modules with private bathrooms, eight dormitories with central bathrooms, eight drill-instructor rooms, lounges, laundry, storage, vending; gear wash racks, outside recreation facilities; removal of contaminated soil and underground tanks; demolition of two buildings. Grade mix: 680 recruits, 292 E1-E4, 167 E5, 81 E6-E9. Total: 1,220.

11. REQUIREMENT: 21,068 PN. ADEQUATE: 15,651 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate billeting for 1,220 enlisted personnel. (Current mission.)

REQUIREMENT: Adequate living quarters for 540 enlisted personnel in grades E1-E9 assigned to various units of the I Marine Expeditionary Force and the 3rd Marine Air Wing to ensure quality of life, enhance an all-volunteer Marine Corps, and retain trained personnel. Adequate living quarters are also necessary to accommodate 680 recruits to support Phase I of Basic Warrior Training.

CURRENT SITUATION: Some permanent party enlisted Marines are billeted in open-bay dormitories with communal heads and showers constructed 30 to 40 years ago. Upon completion of this project, there will still be a large new construction deficiency of adequate billeting spaces at this activity.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-923

11. REQUIREMENT: (Continued)
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.

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 1989..... 45
- (c) Date Design 35% Complete..... 10-88
- (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..... (1310)
- (b) All Other Design Costs..... (105)
- (c) Total..... 1415
- (d) Contract..... (105)
- (e) In-house..... (1310)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	COMBINED ARMS STAFF TRAINER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	171.35	P-763	2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBINED ARMS STAFF TRAINER FACILITY	SF	14,000	114.00	1,600
SUPPORTING FACILITIES.	-	-	-	920
UTILITIES.	LS	-	-	(390)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(530)
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

One-story reinforced concrete and masonry building, concrete foundation and floor, raised floor to support model terrain landscape display, built-up roof, communication system, intrusion detection system, fire protection system, air conditioning, utilities; removal of underground tanks and contaminated soil.

11. REQUIREMENT: 15,500 SF. ADEQUATE: 1,500 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a facility to house a Combined Arms Staff Trainer (CAST). (Current mission.)
REQUIREMENT: An adequate CAST facility to accommodate Marine units training in simulated combat conditions, rehearsal and validation of classified contingency and operating plans. This facility will also be instrumental in planning and training the First Marine Expeditionary Force (IMEF) for the commitment of forces under multiple unified commands. The size of forces to be committed is dependent on operational plans and covers a broad spectrum of marine air ground tactical force configurations. A facility for full-time use is necessary to improve training value by enabling the staffs to validate and correct errors and misjudgments in a classroom environment before embarking on actual field exercises.
CURRENT SITUATION: There are no facilities available for the trainer or for staff training. Battalion staffs now travel to and undergo training in fire support coordination application at the Marine Corps Air-Ground Combat Center (MCAGCC) Twentynine Palms, approximately 150 miles away. Out of the
(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
COMBINED ARMS STAFF TRAINER FACILITY	P-763

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
13 battalions at Camp Pendleton, scheduling load at MCAGCC permits only three of these battalions each year to be accommodated, jeopardizing the proficiency and combat readiness of IMEF units.
IMPACT IF NOT PROVIDED: Facilities will not be available to accommodate the CAST. Battalion staffs will continue traveling to Twentynine Palms to train. Because of limited training opportunities, large numbers of staff personnel will be unable to learn and apply tactics in a classroom environment. Training exercises which have not been gamed in simulation centers are less effective than those which have been gamed.

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 1989	35
(c) Date Design 35% Complete	10-88
(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	(125)
(b) All Other Design Costs	(65)
(c) Total	190
(d) Contract	(180)
(e) In-house	(10)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	OPERATIONS SUPPORT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	214.51	P-849	3,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS SUPPORT FACILITIES.	SF	21,190	-	2,360
BUILDINGS.	SF	17,040	112.00	(1,910)
BUILDING ADDITION.	SF	4,150	109.00	(450)
SUPPORTING FACILITIES.	-	-	-	570
ELECTRICAL UTILITIES	LS	-	-	(190)
MECHANICAL UTILITIES	LS	-	-	(180)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(200)
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 reinforced concrete and masonry buildings and building addition, concrete foundations and floors, built-up roof, high-bay areas; weapons storage-security vault, shielding, intrusion detection system, electronic monitoring; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 25,190 SF. ADEQUATE: 4,000 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides facilities and shops for maintenance and storage for the Force Reconnaissance Company (FRC) and a Light Armored Vehicle Battalion (LAVB) in the Las Flores area. (New mission.)

REQUIREMENT: Adequate maintenance and storage facilities to accommodate prescribed maintenance programs and secure storage of organic equipment, ordnance, and supplies. The FRC consists of 155 personnel and 19 pieces of motor transport equipment. The LAVB consists of 761 personnel and 150 pieces of motor transport equipment.

CURRENT SITUATION: The FRC and LAVB are new units assigned to Camp Pendleton, and occupy temporary facilities consisting of deteriorated quonset huts and sheds, and leased trailers located some distance from the master planned support area. The facilities are minimal and austere, resulting in fragmentation of operations, overcrowding, scheduling complications, and inefficiencies.

IMPACT IF NOT PROVIDED: Operational support will continue under adverse, temporary, high-cost, inefficient, and unsafe conditions. Fragmentation will result in inefficiencies, reduced quality of maintenance and security, inability to meet maintenance schedules, and an eventual reduction in operational readiness.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONS SUPPORT FACILITIES	P-849

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 1989	35
(c) Date Design 35% Complete	11-88
(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	(165)
(b) All Other Design Costs	(155)
(c) Total	320
(d) Contract	(295)
(e) In-house	(25)

(4) Construction start: 11-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	TACTICAL SYSTEMS TEST AND SUPPORT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	317.10	P-987	5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TACTICAL SYSTEMS TEST AND SUPPORT CENTER . .	SF	29,210	145.00	4,240
SUPPORTING FACILITIES.	-	-	-	270
UTILITIES.	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(50)
SUBTOTAL	-	-	-	4,510
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,740
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	260
TOTAL REQUEST.	-	-	-	5,000
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, shielding to tempest quality, conditioned power, electronic interference shielding, computer flooring, electronic monitoring of heating systems, fallout shelter, communications and environmental equipment security, emergency generators, vault, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 67,550 SF. ADEQUATE: 38,340 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides facilities for testing, analysis, and support of tactical systems. (Current mission.)
REQUIREMENT: An adequate and properly-configured facility to test and analyize proposed new equipment, evaluate equipment before general acceptance, and provide post-procurement technical support and equipment enhancement modification.
CURRENT SITUATION: The test and analysis unit of the Marine Corps tactical system support activity is collocated with the software unit and the automated system equipment unit in a building having only 57 percent of the required space. There is no room for the additional personnel and equipment scheduled to arrive to test, analyze, and support the 12 new tactical systems scheduled for either research and development or acquisition by the Marine Corps. These new systems represent over two billion dollars in obligation, and impacts directly on the ability of tactical Marine units to communicate and function with other commands.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
TACTICAL SYSTEMS TEST AND SUPPORT CENTER	P-987

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
The existing spaces do not meet the stringent security requirements for shielding electronic and electromagnetic emissions necessary to be a TEMPEST qualified facility.
IMPACT IF NOT PROVIDED: Testing, evaluation and post deployment support of tactical systems will be adversely impacted. Equipment which is inadequately designed or fails to meet specific design criteria could be purchased. Fleet Marine Force commands will not be able to utilize new equipment to its maximum design potential. This limits both the capabilities and efficiency of tactical commands and eventually reduces combat 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..... 4-88
- (b) Percent Complete as of January 1989..... 65
- (c) Date Design 35% Complete..... 10-88
- (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..... (195)
- (b) All Other Design Costs..... (85)
- (c) Total..... 280
- (d) Contract..... (265)
- (e) In-house..... (15)

(4) Construction start..... 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	TACTICAL VEHICLE MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	214.51	P-917	13,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TACTICAL VEHICLE MAINTENANCE FACILITY. . . .	SF	73,100	-	5,720
MOTOR TRANSPORT SHOP	SF	21,000	102.00	(2,150)
COMPANY OFFICE/COMMUNICATIONS BUILDING . .	SF	9,800	108.00	(1,060)
SUPPLY BUILDING.	SF	26,960	45.00	(1,210)
BATALLION HEADQUARTERS BUILDING.	SF	8,900	103.00	(920)
STORAGE BUILDING	SF	5,540	52.00	(290)
DISPATCHER SHACK	SF	900	100.00	(90)
SUPPORTING FACILITIES.	-	-	-	6,830
SPECIAL CONSTRUCTION FEATURES, UTILITIES .	LS	-	-	(2,500)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(4,330)
SUBTOTAL	-	-	-	12,550
CONTINGENCY (5%)	-	-	-	630
TOTAL CONTRACT COST.	-	-	-	13,180
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	720
TOTAL REQUEST.	-	-	-	13,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Single-story reinforced concrete and masonry buildings, concrete floors and foundations, open-web steel joist roof framing, built-up roof on metal deck, security alarm systems, energy monitoring and control systems, pollution control measures, fire protection system, heating and air conditioning, utilities; removal of underground tanks and contaminated soil; demolition of 24 buildings.

11. REQUIREMENT: 73,100 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides facilities for maintenance, storage, and an operations center for the Motor Transport Battalion of the First Force Service Support Group (FSSG) in the Headquarters 12 area. (Current mission.)
REQUIREMENT: Adequate maintenance and storage facilities to accomplish prescribed maintenance tasks on vehicles and equipment to sustain a combat ready status. Motor Transport Battalion of the First FSSG maintain over 2,500 vehicles and pieces of equipment in direct support of a Marine Amphibious Force (MAF), a Marine Division, Marine Amphibious Brigade (MAB), and a Marine Aircraft Wing.
CURRENT SITUATION: Facilities consist of sheds and quonset huts constructed in the 1940's. A significant portion of the maintenance on these vehicles is accomplished outdoors in vehicle parking areas, without the aid of pneumatic assisted tools, proper lighting, petroleum dispensing equipment, and protection against environmental contamination in the event of an accidental oil spill. Present facilities lack security for

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
TACTICAL VEHICLE MAINTENANCE FACILITY	P-917

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
safeguarding diagnostic tools and equipment. Some buildings have no plumbing, with portable personal waste facilities being used.
IMPACT IF NOT PROVIDED: Maintenance of the 2,500 vehicles and pieces of equipment will continue in inadequate facilities, reducing efficiency, quality control and lowering the level of support provided. This lengthens the time required to accomplish maintenance, accelerates equipment deterioration, and reduces readiness and unit deployability.

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..... 1-86
- (b) Percent Complete as of January 1989..... 50
- (c) Date Design 35% Complete..... 5-87
- (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..... (625)
- (b) All Other Design Costs..... (615)
- (c) Total..... 1240
- (d) Contract..... (1160)
- (e) In-house..... (80)

(4) Construction start..... 10-89 (month and year)

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

1. COMPONENT	FY 1990 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	(1,127,266)	
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		17,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		23,100
g. REMAINING DEFICIENCY		6,560
h. GRAND TOTAL		363,360

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317.15	MSL ENGAGEMENT SIM ARENA	92,910 SF	17,500	04/87	05/88
	TOTAL		17,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
311.25	ADVANCED WEAPONS LAB	84,480 SF	17,500	12/88	06/90
	TOTAL		17,500		
B. MAJOR PLANNED NEXT THREE YEARS:					
317.15	INTEG NAV AIR DEF SYS FAC	42,900 SF	16,000		
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 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA	MISSILE ENGAGEMENT SIMULATION ARENA

5. PROGRAM ELEMENT	6. CATEGORY CODE	7 PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	317.15	P-369	17,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE ENGAGEMENT SIMULATION ARENA.	SF	92,910	-	13,990
BUILDINGS.	SF	92,910	140.00	(13,000)
BUILT-IN EQUIPMENT	LS	-	-	(990)
SUPPORTING FACILITIES.	-	-	-	1,810
UTILITIES.	LS	-	-	(490)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,320)
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)		(6,550)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay building; one-story support building; concrete foundations and floors, steel frame, masonry and insulated metal siding walls, insulated steel roof deck with built-up roof, utilities, air conditioning, fire protection systems; rail trackage, compressed air, mobile target support system, grounding system, earthwork.

11. REQUIREMENT: 92,910 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides an indoor research and development (R&D) test arena for conducting trajectory simulations between missile seeker or fuze sub-systems and missile or aircraft targets. It also provides assembly areas and data processing facilities. (New mission.)
REQUIREMENT: There is a critical need to be able to measure performance of advanced missile seeker and fuze sub-systems against both current and projected aircraft and missile targets. The measurements must be made early in development to insure effective commitment of resources, both time and dollars, in advanced missile developments. The elements of this requirement include, measurement of the performance of advanced missile seeker and fuze subsystems while still in the design and prototype stage; assessing improvements to current missile seeker and fuze sub-systems against advanced air targets; assessing the effectiveness of foreign systems against United States aircraft and missiles; gathering data on both far-field, distant and near-field, close-in, performance; capability for both bi-static, separate transmit and receive locations, and mono-static

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
MISSILE ENGAGEMENT SIMULATION ARENA	P-369

11. REQUIREMENT: (Continued)
system performance assessments; control of background clutter to handle low radar cross-section targets; sized for full scale encounter evaluations; and security for accommodating full range of classified projects. The facility must house both the missile engagement simulation arena (MESA), the data gathering and processing facilities critical to MESA, and several segregated assembly areas for preparing the test items, both targets and sensors. The consolidated capabilities in the MESA facility will provide the Navy with unique capabilities for target engagement; end-game simulation and analysis; and radar cross-section measurement and analysis to counter advanced high-speed, low flying, and low radar cross-section threats.

CURRENT SITUATION: The only current indoor facility for meeting this kind of requirement is the Naval Weapons Center's engagement simulation laboratory (ESL) located at Corona, California. The ESL facility was designed in 1965 and opened for operation in 1969. It has limited capability handling the low radar cross-section targets, and no capability for the bi-static sensors or the near field/far field combination. The ESL facility has already been extended to its maximum capacity. The ESL can continue to serve as an interim capability until the MESA facility is on-line. The outdoor facilities such as the junction ranch facility at China Lake cannot provide the trajectory simulation needed to assess seeker and fuze performance. In addition, they are outdoors and their use is restricted by weather and scheduling to avoid satellite overflight observation. This ESL will be transferred to NWS Seal Beach upon completion of this project.

IMPACT IF NOT PROVIDED: The Navy will be limited to the capabilities of the ESL at Corona in its assessment of current fuzing capabilities against threat targets, its evaluation of new fuze concepts and the assessment of threat fuze systems against United States systems. It will have no capability for testing advanced seeker concepts against real targets short of captive carry-on aircraft. The data from such captive carry flights is adequate for gross effectiveness assessment, but cannot provide the precise, reproducible data needed in the design process. To gather the captive flight test data, requires the seeker systems to be fully engineered to withstand the test environment.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
MISSILE ENGAGEMENT SIMULATION ARENA	P-369

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 1989..... 100
(c) Date Design 35% Complete..... 7-87
(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.....	(825)
(b) All Other Design Costs.....	(295)
(c) Total.....	1120
(d) Contract.....	(1070)
(e) In-house.....	(50)

(4) Construction start..... 12-89 (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)
Compact Reflector, Control Instrumentation, Computer, Radio Frequency Absorbing Material, Bi-static Compact Range, Floor Mounted Target Support, Calibration Target, Microwave Analyser, Optical Alignment System, Microwave Amplifiers, Sensor Transporter, Millimeter Wave Amplifiers	NIF	1989 - 1992	6,550

1. COMPONENT	FY 1990 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	2529	1211	0	0	0	0	0	0	3892

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(13,024)	
b. INVENTORY TOTAL AS OF 30 SEP 83		83,540
c. AUTHORIZATION NOT YET IN INVENTORY		6,070
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,640
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		16,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		29,600
g. REMAINING DEFICIENCY		33,210
h. GRAND TOTAL		184,560

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
212.10	MISSILE INTERGRATION FAC	16,950 SF	2,440	04/86	07/87
841.40	POTABLE WTR SYS IMPVS	LS	3,200	03/86	08/87
	TOTAL		5,640		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

212.10	ADVANCE WEAPONS FAC	21,280 SF	6,500	11/88	01/90
860.30	RR & VECH BRDGES & LND ACQ	LS	10,000	03/89	08/90
	TOTAL		16,500		

B. MAJOR PLANNED NEXT THREE YEARS:

316.10	STANDARD MSL TEST CELL	LS	1,250
212.10	GUIDED MISSILE INTEG FAC	26,500 SF	10,900
212.10	MISSILE MAGAZINE	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 or ordnance handling and shipping equipments. Design, development and procurement of ordnance test systems. Support homeported ammunition ships.

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

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

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

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	212.10	P-271	2,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSLIE INTEGRATION FACILITY	SF	16,950		2,200
INTEGRATION BUILDING MODIFICATIONS	SF	15,190	74.00	(1,120)
MISSILE TEST CELL.	SF	1,760	540.00	(950)
SUPPORT BUILDINGS MODIFICATIONS.	LS	-	-	(130)
SUBTOTAL	-	-	-	2,200
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,310
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	130
TOTAL REQUEST.	-	-	-	2,440
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Modify integration facility to be environmentally controlled, replace asbestos siding and roofing with insulated steel; construct reinforced concrete missile test cell, fire alarm, fire suppression sprinkler system, barricade; utilities.

11. REQUIREMENT: 18,700 SF. ADEQUATE: 1,750 SF. SUBSTANDARD: (15,190) SF.
PROJECT: Modifies a building for loading STANDARD missiles into vertical launch system canisters, and constructs a test cell addition to the maintenance facility for STANDARD missiles. (New mission.)
REQUIREMENT: Adequate facilities in which STANDARD SM-2 missiles in vertical launch configuration can be inserted into canisters or removed for maintenance when returned from the fleet. The SM-2 is an improved version of the SM-1 and is intended for the AEGIS missile cruisers. Concord has been assigned the vertical launch system canister loading and unloading workload for STANDARD missiles, as well as intermediate repair and test functions. The canister loading operation requires an environmentally controlled work area which can be provided by modifying an available building at lower cost than new construction. The increasing SM-2 workload requires that an additional test cell be constructed adjacent to the intermediate maintenance facility for operational readiness tests and continuity checks.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CONCORD, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
MISSILE INTEGRATION FACILITY	P-271

11. REQUIREMENT: (Continued)

CURRENT SITUATION: The canister loading operation is a new mission for Concord and no adequate under-utilized work areas exist either in the maintenance facility or elsewhere on station. An existing building can be modified and provided with environmental controls to meet the canister loading requirement since it contains many desirable features including a wide loading dock, a long work-bay with overhead crane, and an enclosed rail siding. The approved design for the test cell requires thicker walls, floors, and roofs than previous test cells, and additional space for the newer configurations of the STANDARD missile and associated test equipment.

IMPACT IF NOT PROVIDED: Full fleet readiness with the new vertical launch STANDARD missile 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	4-86
(b)	Percent Complete as of January 1989	100
(c)	Date Design 35% Complete	1-87
(d)	Date Design Complete	7-87

(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	(90)
(b)	All Other Design Costs	(125)
(c)	Total	215
(d)	Contract	(190)
(e)	In-house	(25)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 19_90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, CONCORD, CALIFORNIA	POTABLE WATER SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	841.40	P-194	3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POTABLE WATER SYSTEM IMPROVEMENTS.	LS	-	-	2,350
PUMPING STATION.	LS	-	-	(230)
DISTRIBUTION LINES	LS	-	-	(1,450)
STORAGE TANK	GA	1.1M	.60	(670)
SUPPORTING FACILITIES.	-	-	-	540
UTILITIES.	LS	-	-	(320)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(220)
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 1,100,000-gallon steel tank, water lines, pumping station, utilities; access road; replace water line on pier.

11. REQUIREMENT: As Required.

PROJECT: Constructs a ground level potable water storage tank including piping and electric power systems. (Current mission.)

REQUIREMENT: Adequate fire protection for waterfront facilities, materials, personnel, and ships. Waterfront facilities requiring fire protection include three ammunition piers, a barge pier, explosives segregation facilities, and transfer facilities. Navy regulations require siting major water system components outside Explosive Safety Quantity Distance (ESQD) arcs to ensure that water is available for firefighting. This water must be available at a rate of 4,000 gallons per minute (GM) for four hours at piers where explosives are handled.

CURRENT SITUATION: The existing two tanks are small, over 40 years old, deteriorated, and located within ESQD arcs in violation of fire fighting safety regulations. The possibility of a fire started by an explosive handling vehicle, or fuel handling accident, boiler explosion, personnel carelessness with hot appliances or electricity, or by boat or ship accidents in the public traffic channel is high.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CONCORD, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
POTABLE WATER SYSTEM IMPROVEMENTS	P-194

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: A relatively minor fire could spread and cause chain reaction explosions leading to the loss of personnel and hundreds of millions of dollars worth of facility and ship assets. Since Concord is the major ammunition trans-shipment port on the west coast, loss of ammunition and shipping assets would significantly reduce the ability to logistically support armed forces in the Pacific.

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..... 3-86
- (b) Percent Complete as of January 1989..... 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..... (55)
- (b) All Other Design Costs..... (225)
- (c) Total..... 280
- (d) Contract..... (260)
- (e) In-house..... (20)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 1990 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		7,770
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		19,800
f. PLANNED IN NEXT THREE PROGRAM YEARS		15,900
g. REMAINING DEFICIENCY		95,850
h. GRAND TOTAL		217,630

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.77	OPERATIONAL STRG WAREHSE	62,800 SF	4,370	03/85	03/89
610.10	SPECIAL WARFARE CMD HQ	18,000 SF	3,400	05/88	03/89
	TOTAL		7,770		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
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		
B. MAJOR PLANNED NEXT THREE YEARS:					
179.50	SPEC WAR SHOOT CX(MIRAMAR)	LS	4,500		

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	OPERATIONAL STORAGE WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	143.77	P-078	4,370

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL STORAGE WAREHOUSE	SF	62,800	44.00	2,760
SUPPORTING FACILITIES	-	-	-	1,180
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(520)
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT	LS	-	-	(120)
DEMOLITION	LS	-	-	(90)
SUBTOTAL	-	-	-	3,940
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST	-	-	-	4,140
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,370
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame building, pile foundation, concrete floor, precast concrete exterior wall panels, elastomeric roofing over metal deck, wet pipe sprinkler fire protection system, ventilation, utilities; demolition of four buildings.

11. REQUIREMENT: 62,800 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides an operational storage warehouse for the amphibious base to receive, store, and issue parts and supplies, and a servmart. (New mission.)
REQUIREMENT: Adequate and properly configured materials storage and handling facilities for the amphibious base and its tenants, including the amphibious construction unit, special warfare group, a beach master unit, and a support unit from the naval supply center, all with material storage and handling requirements of daily receipt and issue. Adequate space near the amphibious construction battalion area to store materials and repair parts for floating port structures, barges, and craft. Materials such as rubber hoses and bladders deteriorate if not properly stored. The sealift support function is a new mission and includes floating pontoon-type structures that are towed to an invasion area. These structures can be arranged to form piers, floating cranes, warping tugs, fuel handling and storage, and small barges. Some pontoons are self-propelled. Operational storage accommodates daily-use items as compared to long-range procurement and storage requirements that can be handled at a site remote from the base complex.
(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONAL STORAGE WAREHOUSE	P-078

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Small, 40 year-old barracks and mess hall buildings scattered throughout the base are employed for operational materials storage. These buildings have low ceilings, poor loading and unloading facilities, and do not comply with requirements for fire safety, electrical and building codes, and OSH standards. Security and inventory control are difficult to maintain in these old, inadequate, and poorly configured buildings. Searching for supplies usually entails going from one building to another before all spare parts are obtained.

IMPACT IF NOT PROVIDED: Inefficiencies and ineffective methods of materials storage will continue. Locating and withdrawing materials will be difficult, compounding problems of inventory control. Materials for the Sealift Support Facilities Program will be stored outdoors, subject to damage from exposure to the elements and theft.

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	3-85
(b) Percent Complete as of January 1989	90
(c) Date Design 35% Complete	4-86
(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	(190)
(b) All Other Design Costs	(140)
(c) Total	330
(d) Contract	(315)
(e) In-house	(15)

(4) Construction start: 11-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	SPECIAL WARFARE COMMAND HEADQUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	610.10	P-195	3,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SPECIAL WARFARE COMMAND HEADQUARTERS	SF	18,000	-	2,270
BUILDING	SF	18,000	108.00	(1,950)
TEMPEST SHIELDING.	LS	-	-	(320)
SUPPORTING FACILITIES.	-	-	-	800
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(230)
ELECTRICAL UTILITIES	LS	-	-	(140)
MECHANICAL UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(270)
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 reinforced concrete and masonry building, pile and grade beam foundation, concrete floors, built-up roof, computer flooring, secure compartmental information facility, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 18,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides headquarters and administration building for the Commander, Naval Special Warfare Command (COMNAVSPECWARCOM). (New mission.)
REQUIREMENT: Adequate facility to accommodate the COMNAVSPECWARCOM created as a result of the Goldwater-Nichols Department of Defense Reorganization Act of 1986 and established in April 1987. The COMNAVSPECWARCOM reports directly to the Chief of Naval Operation on Naval Special Warfare matters. The mission of COMNAVSPECWARCOM is to assist the Commander in Chief, U.S. Special Operations Command in developing strategy, tactics, and doctrine, and preparing Naval Special Warfare and Operating Forces for joint operations.
CURRENT SITUATION: There are no facilities available that can be dedicated specifically for the COMNAVSPECWARCOM, which currently occupies leased trailer space.
IMPACT IF NOT PROVIDED: COMNAVSPECWARCOM cannot accomplish assigned missions and functions.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
SPECIAL WARFARE COMMAND HEADQUARTERS	P-195

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 1989..... 75
(c) Date Design 35% Complete..... 10-88
(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..... (285)
(b) All Other Design Costs..... (55)
(c) Total..... 340
(d) Contract..... (285)
(e) In-house..... (55)

(4) Construction start..... 1-90
(month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
SURFACE WARFARE OFFICERS SCHOOL COMMAND DETACHMENT, CORONADO, 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	48	67	6	290	0	0	0	0	0	411
b. END FY 1994	55	69	6	257	0	0	0	0	0	387

7. INVENTORY DATA ($000)

	TENANT OF NAB
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	4,130
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,360
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	8,490

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	SUR WAR INSTRUCTION BLDG	35,440 SF	4,360	07/86	08/87
	TOTAL		4,360		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Train newly commissioned naval officers in aspects of surface ship warfare; subjects include officer of the deck procedures, propulsion plant operations and maintenance, damage control, breakdown repair, navigation and piloting, anti-air warfare, anti-submarine warfare, weapons fire control, and combat systems operation and control.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SURFACE WARFARE OFFICERS SCHOOL COMMAND DETACHMENT, CORONADO, CALIFORNIA	SURFACE WARFARE INSTRUCTION BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.20	P-165	4,360

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SURFACE WARFARE INSTRUCTION BUILDING	SF	35,440	102.00	3,610
SUPPORTING FACILITIES.	-	-	-	320
ELECTRICAL UTILITIES	LS	-	-	(120)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(150)
SUBTOTAL	-	-	-	3,930
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST.	-	-	-	4,130
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	230
TOTAL REQUEST.	-	-	-	4,360
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 over concrete on metal decking, fire protection system, ventilation, utilities; demolition of one building.

11. REQUIREMENT: 35,440 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a facility for propulsion plant training. (Current mission.)
REQUIREMENT: Classroom, laboratory, and support spaces for teaching the theory and practice of operating and maintaining ship's propulsion plants. Junior officers being assigned to their first ship require extensive training ashore before reporting aboard to ensure they are useful crew members and to preclude excessive on-the-job training.
CURRENT SITUATION: An abbreviated course in propulsion training is being offered in an inadequate, unsuitable, 42-year old building, lacking space for the equipment trainers needed for practical application of the theory. This course is offered to junior officers immediately after they finish their surface warfare officers training. The planned course will be 11 weeks long and taught to 900 officers annually. There are 39 pieces of equipment or training mockups procured and in storage, ready for installation in this proposed facility.
IMPACT IF NOT PROVIDED: Full objectives of the course cannot be attained, resulting in junior officers reporting to their first duty assignment without proper training. Longer on-the-job training will be required to reach optimum skill levels. (Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

SURFACE WARFARE OFFICERS SCHOOL COMMAND DETACHMENT, CORONADO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
SURFACE WARFARE INSTRUCTION BUILDING	P-165

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 1989..... 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..... (205)
(b) All Other Design Costs..... (230)
(c) Total..... 435
(d) Contract..... (400)
(e) In-house..... (35)

(4) Construction start..... 12-89 (month and year)

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

1. COMPONENT	FY 1990 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		7,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		9,050
f. PLANNED IN NEXT THREE PROGRAM YEARS		36,250
g. REMAINING DEFICIENCY		29,350
h. GRAND TOTAL		114,690

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QUARTERS	62,320 SF	7,200	02/88	03/89
	TOTAL		7,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
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		
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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR FACILITY, EL CENTRO, CALIFORNIA	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	721.11	P-020	7,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	62,320	89.00	5,550
SUPPORTING FACILITIES	-	-	-	950
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
ELECTRICAL UTILITIES	LS	-	-	(220)
MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(450)
SUBTOTAL	-	-	-	6,500
CONTINGENCY (5%)	-	-	-	320
TOTAL CONTRACT COST	-	-	-	6,820
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	380
TOTAL REQUEST	-	-	-	7,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story reinforced concrete and masonry building, concrete foundation and floors, built-up roof, solar heating, fire protection system, air conditioning, utilities; 81 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, and mechanical equipment.
Grade mix: 140 E1-E4, 92 E5-E6. Total: 232.

11. REQUIREMENT: 1,194 PN. ADEQUATE: 468 PN. SUBSTANDARD: 72 PN.
PROJECT: Provides adequate billeting for 232 enlisted personnel. (Current mission.)
REQUIREMENT: Adequate housing for 1,194 enlisted personnel either assigned to this activity, or to fleet air squadrons undergoing qualification training prior to deployment.
CURRENT SITUATION: Existing adequate berthing capacity of 468 spaces including 351 adequate spaces on base, 72 spaces requiring modernization, and 45 accommodations found by personnel in the local community, are insufficient, resulting in overcrowding. A new construction deficiency of 726 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by follow-on projects currently unprogrammed. All projected space requirements are revalidated annually by a new survey, which updates planning projections.
IMPACT IF NOT PROVIDED: Adequate living quarters for all bachelor enlisted personnel will continue to be unavailable, resulting in

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR FACILITY, EL CENTRO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-020

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
degradation 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:..... 2-88
- (b) Percent Complete as of January 1989..... 60
- (c) Date Design 35% Complete..... 11-88
- (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..... (235)
- (b) All Other Design Costs..... (130)
- (c) Total..... 355
- (d) Contract..... (30)
- (e) In-house..... (325)

(4) Construction start..... 10-89 (month and year)

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

1. COMPONENT	FY 1990 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		2,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,320
f. PLANNED IN NEXT THREE PROGRAM YEARS		12,750
g. REMAINING DEFICIENCY		102,960
h. GRAND TOTAL		314,770

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	CENTRIFUGE TRNR FACILITY	8,700 SF	2,100	--	--
	TOTAL		2,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

171.20	WEAPONS SCHOOL ADDITION	LS	900	10/88	09/89
218.50	BATTERY SHOP	LS	420	09/88	06/89
	TOTAL		1,320		

B. MAJOR PLANNED NEXT THREE YEARS:

211.03	VENTILATION IMPROVS	11,160 SF	2,550
148.15	WEAPONS AREA IMPROV	LS	10,200

10. MISSION OF 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 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, LEMOORE, CALIFORNIA	CENTRIFUGE TRAINER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.35	P-106	2,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CENTRIFUGE TRAINER FACILITY.	SF	8,700	164.00	1,430
SUPPORTING FACILITIES.	-	-	-	470
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(220)
UTILITIES.	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(50)
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)	(3,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete and masonry building, masonry walls, concrete foundation and floor, built-up roof, engineered fill, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 92,100 SF. ADEQUATE: 83,400 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides facilities to house a centrifuge trainer. (Current mission.)
REQUIREMENT: Adequate training facilities and equipment to accommodate realistic G-tolerance training for crews of high performance aircraft. High performance aircraft are capable of high accelaration which includes high gravity (G)-onset rates and sustained G-levels which exceed aircrew physiological tolerances. Studies have validated the effectiveness of training aircrews for the anti-G straining maneuver on the centrifuge. The centrifuge trainer will provide training for the aircrews of the F-14, F/A-18, ATA, A-G, EA-6, AV-8, OV-10, and possibly F-4, A-7, and S-3.
CURRENT SITUATION: The anti-G straining maneuver is explained to aircrews in a classroom setting. Only classroom instruction is ineffective in providing aircrew anti-G straining maneuver training while under actual G-load.
IMPACT IF NOT PROVIDED: No other training method or media is effective in training aircrews for high-G onset rate in a high G-level environment.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, LEMOORE, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
CENTRIFUGE TRAINER FACILITY	P-106

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 1989	*
(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: 1-90 (month and year)

* One-step source selection.

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Centrifuge Trainer	APN	1990	3,000

S/N 0102-LF-001-3915

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, MOFFETT FIELD, 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	753	4076	2201	116	205	0	91	400	0	7842
b. END FY 1994	795	4139	2201	103	288	0	68	248	0	7842

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,919)	
b. INVENTORY TOTAL AS OF 30 SEP 88		115,990
c. AUTHORIZATION NOT YET IN INVENTORY		650
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		43,810
g. REMAINING DEFICIENCY		107,630
h. GRAND TOTAL		269,080

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.74	CHILD CARE CENTER	LS	1,000	-	-
	TOTAL		1,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

171.20	TRAINING FACILITY ADDN	11,670 SF	2,400
171.35	TRAINING FACILITY ADDN	LS	910
211.06	FIRE PROTECTION SYSTEM	181,310 SF	10,000
211.06	MAINT HANGAR FIRE PROTECT	LS	22,000
724.11	BACHELOR OFFICER QUARTERS	180 PN	8,500

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 for land based ASW patrol aircraft.

Patrol Wing Headquarters
Fleet ASW (P-3) Squadrons
Naval Air Reserve Patrol Squadrons
Replacement Training Squadrons
California Air National Guard
NASA Ames Research Center
NALF Crows Landing

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	330
B: INSTALLATION RESTORATION	79,120
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
FLEET NUMERICAL OCEANOGRAPHY CENTER, MONTEREY, CALIFORNIA	NAVAL OCEANOGRAPHY 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	55	114	194	0	0	0	0	0	0	363
b. END FY 1994	59	52	194	0	0	0	0	0	0	305

7. INVENTORY DATA ($000)

	TENANT OF NPGS
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	400
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	750
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	4,600
h. GRAND TOTAL	5,750

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
137.10	METEOROLOGICAL BLDG ADDN	LS	750	10/87	09/89
	TOTAL		750		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Validate requirements for an operational capability to depict water mass and fronts/eddy structures and to develop and utilize real-time oceanographic and meteorological forecasting systems that will predict arctic conditions.

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 1990 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		16,690
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		16,050
f. PLANNED IN NEXT THREE PROGRAM YEARS		48,030
g. REMAINING DEFICIENCY		16,640
h. GRAND TOTAL		157,950

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.10	ACADEMIC LIBRARY ADDITION	45,540 SF	5,000	10/85	05/89
171.20	CLASSRM & APPLIED LAB FAC	108,000 SF	11,690	08/84	10/89
	TOTAL		16,690		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM				
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		

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA	ACADEMIC LIBRARY ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.10	P-097	5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ACADEMIC LIBRARY ADDITION.	SF	45,540	90.00	4,100
SUPPORTING FACILITIES.	-	-	-	410
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(130)
UTILITIES.	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(110)
SUBTOTAL	-	-	-	4,510
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,740
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	260
TOTAL REQUEST.	-	-	-	5,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Basement and first floor masonry building addition, sheet piling, concrete floors, mechanical ventilation, fire alarm and protection systems, utilities upgrade and connections.

11. REQUIREMENT: 411,540 SF. ADEQUATE: 366,000 SF SUBSTANDARD: 0 SF.
PROJECT: Provides a two-story addition to the academic library. (Current mission.)
REQUIREMENT: Adequate library facilities to accommodate an increasing graduate-level student body and to sustain accreditation.
CURRENT SITUATION: The space occupied by the library is severely overcrowded, especially in the closed consultation areas. The available shelving space is at the saturation point, with no space for expansion. Storage currently is at a premium, with no growth potential.
IMPACT IF NOT PROVIDED: Academic degradation will result if the limited physical conditions are not alleviated. The Western Association of Schools and Colleges, one of the Navy's postgraduate school's accrediting bodies, has expressed concern over this situation.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
ACADEMIC LIBRARY ADDITION	P-097

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 1989	35
(c)	Date Design 35% Complete	11-88
(d)	Date Design Complete	5-89

(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	(260)
(b)	All Other Design Costs	(310)
(c)	Total	570
(d)	Contract	(550)
(e)	In-house	(20)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA	CLASSROOM AND APPLIED LABORATORY FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.20	P-157	11,690

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CLASSROOM AND APPLIED LABORATORY FACILITY. .	SF	108,000	-	8,950
BUILDING	SF	108,000	80.00	(8,640)
BUILT-IN EQUIPMENT	LS	-	-	(310)
SUPPORTING FACILITIES.	-	-	-	1,600
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(800)
ELECTRICAL UTILITIES	LS	-	-	(250)
MECHANICAL UTILITIES	LS	-	-	(180)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(370)
SUBTOTAL	-	-	-	10,550
CONTINGENCY (5%)	-	-	-	530
TOTAL CONTRACT COST.	-	-	-	11,080
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	610
TOTAL REQUEST.	-	-	-	11,690
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One three-story steel-frame building with basement, concrete foundation and floors, masonry walls with brick facing, built-up roof, secure and shielded computer space, computer flooring, laboratories, fire protection system, air conditioning, utilities; demolition of four buildings.

11. REQUIREMENT: 323,710 SF. ADEQUATE: 215,710 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides classroom and other instructional spaces for training and research. (Current mission.)
REQUIREMENT: Adequate academic and laboratory spaces to accommodate general classroom, research, and teaching laboratories for postgraduate education of commissioned officers. The proposed facility will relieve overcrowded conditions in the academic departments and meet the demands of an increased student enrollment.
CURRENT SITUATION: Enrollment has increased to a level which does not allow students sufficient space to function efficiently during instructional training and research sessions. The existing facilities were designed to support 1,100 students. The student loading is now in excess of 1,800. Students are being assigned to temporary academic space in inadequate facilities resulting in a reduction of academic excellence.
IMPACT IF NOT PROVIDED: The postgraduate school cannot provide the high-level of technical and professional instruction necessary to meet the needs of the Navy. Without additional facilities, students will continue to be assigned to substandard spaces. Inadequate facilities increase the

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
CLASSROOM AND APPLIED LABORATORY FACILITY	P-157

11. REQUIREMENT (Continued)

IMPACT IF NOT PROVIDED (Continued)

difficulty in recruiting a highly-qualified doctoral faculty. Additional temporary facilities will be required to accommodate future increases in student enrollment.

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	8-84
(b)	Percent Complete as of January 1989	60
(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	(830)
(b)	All Other Design Costs	(245)
(c)	Total	1075
(d)	Contract	(1045)
(e)	In-house	(30)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 1990 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 ($000)

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		6,160
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		5,650
g. REMAINING DEFICIENCY		206,850
h. GRAND TOTAL		586,400

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	PIER ELECTRIC PWR UPGRADE	LS	6,160	10/82	09/89
	TOTAL		6,160		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
421.22	HIGH EXPLOSIVE MAGAZINES	8,000 SF	1,500	10/88	09/89
	TOTAL		1,500		
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 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA	PIER ELECTRIC POWER UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	812.30	P-511	6,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PIER ELECTRIC POWER UPGRADE.	LS	-	-	5,560
SUBTOTAL	-	-	-	5,560
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST.	-	-	-	5,840
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	320
TOTAL REQUEST.	-	-	-	6,160
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Electric power substation, switchgear; pre-engineered metal building, concrete floor; electrical distribution lines; saltwater pumping station.

11. REQUIREMENT: As Required.

PROJECT: Upgrades shore electric power service for ships berthed at the quaywall. (Current mission.)

REQUIREMENT: Adequate and sufficient reliable electric power for cold-iron berthing of one nuclear aircraft carrier and two conventional aircraft carriers. Utility services to berthed vessels is an operational requirement to maximize the ship's "at-sea" life between overhauls and to minimize operational costs. Electrical utilities service will allow shutdown of a ships power plant while undergoing scheduled maintenance, voyage repairs, outfitting, training, testing, and replenishment.

CURRENT SITUATION: The quaywall electrical distribution system substations do not have the capacity to provide cold-iron requirements for homeporting aircraft carriers.

IMPACT IF NOT PROVIDED: The quaywall cannot provide the homeporting cold-iron electric power requirements for aircraft carriers.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
PIER ELECTRIC POWER UPGRADE	P-511

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	10-82
(b)	Percent Complete as of January 1989	35
(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	(450)
(b)	All Other Design Costs	(315)
(c)	Total	765
(d)	Contract	(665)
(e)	In-house	(100)

(4) Construction start: 3-90 (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 1990 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		820
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		2,100
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,450
g. REMAINING DEFICIENCY		19,540
h. GRAND TOTAL		67,290

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
826.25	CHILLED WATER PLANT UPGRDE	LS	820	04/88	04/89
	TOTAL		820		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
171.20	APPLIED INSTR BLDG ADDN	19,680 SF	2,100	11/88	01/90
	TOTAL		2,100		
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.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES	($000)
A: POLLUTION ABATEMENT	140
B: INSTALLATION RESTORATION	30
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1990 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		28,250
c. AUTHORIZATION NOT YET IN INVENTORY		300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,670
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		15,260
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		6,250
h. GRAND TOTAL		54,730

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872..10	SECURITY UPGRADE	LS	3,670	04/87	05/88
	TOTAL		3,670		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

171.20	APPLIED INSTR BLDG ADDN	LS	620	09/88	06/89
721.11	BEQ AND MESS HALL	94,840 SF	14,640	12/88	06/90
	TOTAL		15,260		

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET COMBAT TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA	SECURITY UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	872.10	P-031	3,670

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY UPGRADE	LS	-	-	3,310
SECURITY OFFICE AND SENTRY BUILDINGS	SF	3,990	118.00	(470)
SECURITY FENCING	LF	4,600	80.00	(370)
CAFETERIA	SF	5,100	124.00	(630)
ROADS - NEW AND UPGRADE	SY	28,850	34.00	(970)
UTILITIES, SITE IMPROVEMENT, DEMOLITION	LS	-	-	(870)
SUBTOTAL	-	-	-	3,310
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,480
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	190
TOTAL REQUEST	-	-	-	3,670
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry building, concrete foundation and floor, built-up roof; two sentry houses; security fencing with controlled access; reconstruct activity entry; roads - new and improvement; traffic signals; demolition of two buildings.

11. REQUIREMENT: As Required.

PROJECT: Provides security improvements including controlled access gates, fencing, guard houses, roads upgr ing. (Current mission.)

REQUIREMENT: An adequate and effective on-base security system and visitor control to support the Sensitive Compartmented Information Facility and the installation of classified systems in training facilities. The creation of the interior security compound interrupts traffic flow through the base, requiring construction of new access roads and a new entrance. The widening of existing roads is necessary to provide better access for security personnel to the perimeter of the base.

CURRENT SITUATION: Students transiting between classrooms require rear entry access to limited access areas. Processing delays of large numbers of students and the lack of security personnel to man each entry port prevents manual checking of identification. Currently, persons or vehicles authorized on the base can also enter into the limited access areas through these rear entries. The total number of persons is too numerous for security personnel to continually escort while on base.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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
SECURITY UPGRADE	P-031

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Possible compromise of classified material because of inadequate security of the areas created by the expansion of the Limited Access Area.

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 1989..... 50
- (c) Date Design 35% Complete..... 12-87
- (d) Date Design Complete..... 5-89

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

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications..... (180)
- (b) All Other Design Costs..... (85)
- (c) Total..... 265
- (d) Contract..... (255)
- (e) In-house..... (10)

(4) Construction start..... 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
FLEET INTELLIGENCE 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	14	12	5	21	30	0	0	0	0	82
b. END FY 1994	20	12	5	36	52	0	0	0	0	125

7. INVENTORY DATA ($000)

	TENANT OF NTC
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	4,220
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	6,720

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	INTELL TRNG BLDG ADDN	11,100 SF	2,500	05/88	07/89
	TOTAL		2,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide basic and specialized training in naval intelligence for fleet, reserve, and foreign naval personnel.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET INTELLIGENCE TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA	INTELLIGENCE TRAINING BUILDING ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804733N	171.20	P-003	2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
INTELLIGENCE TRAINING BUILDING	SF	11,100	-	1,680
BUILDING	SF	11,100	123.00	(1,360)
BUILT-IN EQUIPMENT	LS	-	-	(320)
SUPPORTING FACILITIES	-	-	-	580
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(310)
UTILITIES	LS	-	-	(120)
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 steel frame building addition, concrete foundation and floor, masonry walls, elastomeric roof membrane, fire protection system, utilities, air conditioning; TEMPEST security features.

11. REQUIREMENT: 38,100 SF. ADEQUATE: 27,000 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides building addition to support intelligence training. (Current mission.)

REQUIREMENT: Adequate and properly-configured facilities for individual and advanced Naval intelligence-team training for fleet, reserve, and foreign naval personnel in support of fleet operations. Pacific Fleet Type Commanders have identified several emerging requirements for intelligence training. These are principally directed towards bridging the gap between formal A-school training courses and fleet operations for intelligence personnel not properly trained to manage and analyze increasing amounts of information provided by national and tactical collection systems. This is a training deficiency particularly acute for personnel being rotated to sea from shore tours.

CURRENT SITUATION: The existing facility is not sufficient to meet the several emerging specialized requirements identified by Pacific Fleet Type Commanders.

IMPACT IF NOT PROVIDED: Increased training requirements cannot be efficiently met. Pre-emption of existing facilities will impair command functions because of the highly specialized and dedicated nature of the

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

FLEET INTELLIGENCE TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
INTELLIGENCE TRAINING BUILDING ADDITION	P-003

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
training. This will reduce productivity, increase costs, and limit mission effectivness, particularly in the area of individual-team 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..... 5-88
- (b) Percent Complete as of January 1989..... 35
- (c) Date Design 35% Complete..... 10-88
- (d) Date Design Complete..... 7-89

(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..... (95)
- (c) Total..... 195
- (d) Contract..... (180)
- (e) In-house..... (15)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
FLEET 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	4	22	26	84	722	0	0	0	0	858
b. END FY 1994	5	22	26	98	909	0	0	0	0	1060

7. INVENTORY DATA ($000)

	TENANT OF NTC
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	3,930
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	12,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	16,730

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.45	FIRE FIGHTING TRAINER FAC	48,360 SF	12,800	04/87	09/89
	TOTAL		12,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide operational training in the various aspects of shipboard operation and maintenance which cannot adequately be conducted on-board ship.

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

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET TRAINING CENTER, SAN DIEGO, CALIFORNIA	FIRE FIGHTING TRAINER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	179.45	P-002	12,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINER FACILITY	SF	48,360		6,400
TRAINER BUILDING	SF	27,360	175.00	(4,790)
ACADEMIC AND ADMINISTRATION BUILDINGS	SF	21,000	77.00	(1,610)
SUPPORTING FACILITIES	-	-	-	5,150
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(350)
ELECTRICAL UTILITIES	LS	-	-	(510)
MECHANICAL UTILITIES	LS	-	-	(1,900)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,080)
DEMOLITION	LS	-	-	(1,310)
SUBTOTAL	-	-	-	11,550
CONTINGENCY (5%)	-	-	-	580
TOTAL CONTRACT COST	-	-	-	12,130
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	670
TOTAL REQUEST	-	-	-	12,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(16,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete and masonry building, concrete floors, reinforced concrete grade beams on pile foundation, built-up roof on concrete deck, classrooms, laboratories, administrative spaces; trainer buildings, pump trainer facility with bleachers, hose trainer facility, fuel storage and distribution system, control utility building, wastewater treatment and recovery system; utilities; demolition of 19 buildings.

11. REQUIREMENT: 48,360 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a fire fighting trainer facility for training personnel to control surface, shipboard, and aircraft fires. (Current mission.)
REQUIREMENT: Adequate fire fighting training facilities to accommodate and satisfy a mandatory requirement for all officers and enlisted personnel. Additional practical and theoretical fire fighting training is necessary for personnel assigned as 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. The 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: Training is in an area encumbered by an explosive safety arc from a pier used for ammunition loading. The training

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

FLEET TRAINING CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTING TRAINER FACILITY	P-002

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
facilities utilize wood and oil fires emitting great amounts of particulates. Natural gas afterburners bring structurally contained emissions within acceptable standards. However, this system uses a large volume of fuel rendering it operationally cost prohibitive.
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..... 4-87
- (b) Percent Complete as of January 1989..... 35
- (c) Date Design 35% Complete..... 8-87
- (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..... (520)
- (b) All Other Design Costs..... (230)
- (c) Total..... 750
- (d) Contract..... (720)
- (e) In-house..... (30)

(4) Construction start..... 2-90 (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 Fire Fighting Trainer	OPN-BA7	1990	5,800
Advanced Team Fire Fighting Trainer	OPN-BA7	1990	6,000
Aircraft Carrier Fire Fighting Trainer	OPN-BA7	1990	4,200
		TOTAL	16,000

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
INTEGRATED COMBAT SYSTEMS TEST FACILITY, SAN DIEGO, 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	5	18	44	0	0	0	0	0	0	67
b. END FY 1994	5	18	44	0	0	0	0	0	0	67

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		4,100
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
317.25	ELECTR SYS INTEG LAB	16,910 SF	4,100	04/88	07/89
	TOTAL		4,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
To design, develop, test and maintain the Standard Simulation system in support of the Advanced Combat Direction System and related combat/C3I operational computer programs. The SESEF provides operational performance testing of fleet units, including antenna radiation patterns, radar systems and communications 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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INTEGRATED COMBAT SYSTEMS TEST FACILITY, SAN DIEGO, CALIFORNIA	ELECTRONICS SYSTEMS INTEGRATION LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0708012N	317.25	P-004	4,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS SYSTEMS INTEGRATION LABORATORY	SF	16,910	-	3,080
BUILDING	SF	16,910	156.00	(2,640)
BUILT-IN EQUIPMENT	LS	-	-	(440)
SUPPORTING FACILITIES	-	-	-	620
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(240)
ELECTRICAL UTILITIES	LS	-	-	(110)
MECHANICAL UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT	LS	-	-	(210)
SUBTOTAL	-	-	-	3,700
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST	-	-	-	3,890
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	210
TOTAL REQUEST	-	-	-	4,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(6,800)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, pile foundation, concrete floors, precast concrete wall panels, built-up roofing on reinforced concrete roof-deck with antenna mounts, RFI shielded/tempest certified space, computer flooring, equipment elevator, fire protection system, ventilation and air conditioning, utilities.

11. REQUIREMENT: 16 910 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an electronics systems laboratory to house the standard simulation system (SSS) and the shipboard electronics systems evaluation facility (SESEF). (Current mission.)
REQUIREMENT: Adequate facilities to design, develop, test, and maintain tactical operational computer programs. The SSS is used to support the Advanced Combat Direction System (ACDS) for testing computer programs. It simulates the ship's environment under hostile conditions and allows total computer network integration testing. The SESEF provides operational performance testing of individual fleet units including checkout of antenna radiation patterns, search and fire control radar systems, and communications systems. Space is necessary to house additional equipment and personnel needed to support the increase in ACDS equipped ships, and to support operational performance testing of fleet units. Ultimately, 650 ACDS and related combat systems on ships, aircraft, and submarines will be supported. Five hundred of these systems are now operational. The SESEF will support 106 fleet units in the San Diego area by 1991.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

INTEGRATED COMBAT SYSTEMS TEST FACILITY, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONICS SYSTEMS INTEGRATION LABORATORY	P-004

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Facilities are not available to support the equipment and personnel for development and maintenance of SSS requirements. The surface systems include guided missile cruisers, destroyers, frigates, and battleships. Air tactical data systems supported include the carrier-based anti-submarine warfare module and the Light Airborne Multi-Purpose Systems (LAMPS Mk III). The SSS configuration management data base and library are being maintained at contractor facilities because of a deficiency in engineer and analyst work spaces. A shipboard electronics systems evaluation facility does not exist in the San Diego area.

IMPACT IF NOT PROVIDED: Continued development of the SSS cannot be sustained. Vital operational performance testing services will not be readily provided to fleet units in San Diego. Limited operability of tactical data and related systems will have an adverse impact on the operational readiness and combat capability of 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	4-88
(b) Percent Complete as of January 1989	75
(c) Date Design 35% Complete	9-88
(d) Date Design Complete	7-89

(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	(215)
(b) All Other Design Costs	(185)
(c) Total	400
(d) Contract	(360)
(e) In-house	(40)

(4) Construction start: 12-89 (month and year)

(Continued on DD 1391c)

S/N 0102-LF-001-3915

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

INTEGRATED COMBAT SYSTEMS TEST FACILITY, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONICS SYSTEMS INTEGRATION LABORATORY	P-004

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)
Shipboard Electronics Systems Evaluation Facility, Automated Data Systems Analysis Equipment	OPN	1990 - 1994	1,800
Standard Simulation System Test Equipment	OPN	1990 - 1994	5,000
		TOTAL	6,800

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS RECRUIT DEPOT. SAN DIEGO, 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	229	1596	260	0	5327	0	0	0	585	7997
b. END FY 1994	282	1548	810	0	5472	0	46	270	50	8478

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(432)	
b. INVENTORY TOTAL AS OF 30 SEP 88		88,730
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,070
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		10,210
g. REMAINING DEFICIENCY		37,780
h. GRAND TOTAL		139,790

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
722.10	MESS HALL ADDITION	9,900 SF	2,530	08/88	10/89
740.74	CHILD CARE CENTER	LS	540	01/87	10/87
	TOTAL		3,070		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

179.55	BWT TANK	LS	5,700
441.12	WAREHOUSE (SAN ONOFRE)	LS	980
721.11	BACHELOR ENLISTED QUARTERS	240 PN	3,000
179.50	TRNG FAC (MCB CP PEND)	LS	530

10. MISSION OR MAJOR FUNCTIONS:
Reception and recruit training of enlisted personnel upon their entry into the Marine Corps. Conduct schools to train enlisted men for duty with ship detachments, as drill instructors, field musics, and other schools as directed.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	1,180
B: INSTALLATION RESTORATION	4,000
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS RECRUIT DEPOT, SAN DIEGO, CALIFORNIA	MESS HALL ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796M	722.10	P-189	2,530

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MESS HALL ADDITION	SF	9,900	-	1,560
BUILDING ADDITION	SF	7,500	181.00	(1,360)
BUILDING ALTERATIONS	SF	2,400	83.00	(200)
SUPPORTING FACILITIES	-	-	-	730
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
ELECTRICAL UTILITIES	LS	-	-	(250)
MECHANICAL UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(180)
SUBTOTAL	-	-	-	2,290
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST	-	-	-	2,400
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	130
TOTAL REQUEST	-	-	-	2,530
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame building addition, pile foundation, concrete floor, masonry walls, open-web steel joist roof framing, insulated metal roof deck, built-up roofing, fire protection system, ventilation and air conditioning, utilities; building alterations; loading ramp, emergency generator.

11. REQUIREMENT: 41,900 SF. ADEQUATE: 32,000 SF. SUBSTANDARD: (2,400) SF.
PROJECT: Provides an addition to the mess hall for more dining space, food service, and storage areas. (Current mission.)
REQUIREMENT: Additional capacity for the recruit mess hall to support the recruits undergoing basic training at the depot. As a part of the overall recruit training program, the recruits are required to live on the depot while following a rigorous and controlled training schedule. Adequately-sized mess hall facilities are essential to a successful training program.
CURRENT SITUATION: All recruits are fed in the existing 916-seat recruit mess hall which has a rated capacity of 4,000 persons per meal. Recently, this facility has fed up to 6,000 persons per meal. This overuse causes the recruits to spend excessive time waiting in line to enter the facility and has resulted in a reduction in the useful life of the mess hall equipment.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS RECRUIT DEPOT, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
MESS HALL ADDITION	P-189

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The existing recruit mess hall will continue to be overused with the resultant increased costs to maintain the facility and negative impact on the overall recruit training program schedule because of the time it takes to feed the recruits.

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 1989	50
(c)	Date Design 35% Complete	9-88
(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	(115)
(b)	All Other Design Costs	(120)
(c)	Total	235
(d)	Contract	(210)
(e)	In-house	(25)

(4) Construction start: 3-90 (month and year)

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

c. The design and construction of the mess hall addition will be packaged with an O&M funded project for repairs to the existing mess hall building.

1. COMPONENT	FY 1990 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	1090	1708	880	0	810	0	0	0	0	4438
b. END FY 1994	1123	1622	880	0	870	0	0	0	0	4505

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(121)	
b. INVENTORY TOTAL AS OF 30 SEP 88		156,090
c. AUTHORIZATION NOT YET IN INVENTORY		22,150
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		184,680

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.43	REG MED CTR SUPPORT FACS	LS	5,000	04/88	03/89
	TOTAL		5,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

882.10	PARKING STRUCTURE	LS	1,500	06/89	05/90
	TOTAL		1,500		

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL HOSPITAL, SAN DIEGO, CALIFORNIA	REGIONAL MEDICAL CENTER-SUPPORT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807796N	740.43	P-600H	5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SUPPORT FACILITIES	LS	-	-	3,130
GYMNASIUM	SF	11,000	120.00	(1,320)
POOL AND BATH HOUSE	LS	-	-	(950)
PLAYING FIELDS	LS	-	-	(320)
OUTDOOR PLAYING COURTS	LS	-	-	(270)
INDOOR PLAYING COURTS	SF	3,600	75.00	(270)
SUPPORTING FACILITIES	-	-	-	1,380
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(1,380)
SUBTOTAL	-	-	-	4,510
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST	-	-	-	4,740
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	260
TOTAL REQUEST	-	-	-	5,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Gymnasium, swimming pool, indoor and outdoor playing courts, sports fields, fire protection systems, ventilation and air conditioning, utilities; demolition of one building.

11. REQUIREMENT: As Required.

PROJECT: Constructs support facilities for the new medical center complex. (Current mission.)

REQUIREMENT: Adequate personnel recreational facilities to accommodate the entire medical center complex. There are about 3,500 active duty personnel, staff and students, assigned at any time. The Navy appropriately has swimming pools and other recreation facilities at it's other major teaching hospitals.

CURRENT SITUATION: Support facilities requested in this project were either displaced by major construction at the San Diego Naval Hospital or are on land that will be returned to the city and will not be available for use by the personnel and patients of the new medical center complex. Civilian facilities cannot be used because students assigned to the medical center on a temporary duty basis do not have vehicles, and the civilian recreation centers have expressed a desire not to have our Navy personnel using their facilities. Other military facilities located in the San Diego area are inaccessible because of their distance from the Medical Center.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
REGIONAL MEDICAL CENTER - SUPPORT FACILITIES	P-600H

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The lack of recreational facilities will be detrimental to the morale and welfare of the medical center's staff and students and adversely affects the retention of urgently needed medical personnel. Construction of the final phase of the medical center redevelopment will be left incomplete, and presents an unsightly appearance to the City of San Diego.

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 1989..... 75
- (c) Date Design 35% Complete..... 10-88
- (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..... (160)
- (b) All Other Design Costs..... (115)
- (c) Total..... 275
- (d) Contract..... (245)
- (e) In-house..... (30)

(4) Construction start..... 11-89 (month and year)

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

1. COMPONENT	FY 1990 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		1,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		11,700
f. PLANNED IN NEXT THREE PROGRAM YEARS		7,700
g. REMAINING DEFICIENCY		4,500
h. GRAND TOTAL		101,360

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.19	PHYSICS LAB SAFETY IMPVS	21,060 SF	1,300	04/88	03/89
	TOTAL		1,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
310.23	COMBINED RESEARCH LAB	267,000 SF	11,700	12/88	06/90
	TOTAL		11,700		
B. MAJOR PLANNED NEXT THREE YEARS:					
315.20	ANTI-SUB WARFARE SYS LAB	36,000 SF	7,700		

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA	PHYSICS LABORATORY SAFETY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605096N	310.19	P-090	1,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICS LABORATORY SAFETY IMPROVEMENTS . . .	SF	21,060	47.00	990
SUPPORTING FACILITIES.	-	-	-	180
UTILITIES.	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(70)
SUBTOTAL	LS	-	-	1,170
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,230
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Building alterations including fire protection system, laser safety system, mechanical ventilation, asbestos removal, toxic substances storage, electrical distribution system improvements.

11. REQUIREMENT: 63,300 SF. ADEQUATE: 42,240 SF. SUBSTANDARD: 0 SF.
PROJECT: Alters building and installs safety improvements including fire protection system, laser safety system, ventilation and egress improvements, and approved storage for toxic gases, liquids, and other hazardous materials, to safely conduct research and development activities in a physics laboratory. Provides for removal of asbestos and asbestos laden materials from the laboratory spaces. (Current mission.)
REQUIREMENT: Adequate and properly configured facility for conducting research and development activities with the use of indium-phosphide metals, infrared and fiber optics technology, and focal plane arrays for strategic applications.
CURRENT SITUATION: The laboratory spaces currently being used are inadequately configured and do not meet current safety standards and regulations. Critical research and development programs involve the use of toxic, carcinogenic, flammable, and pyrophoric substances. Laboratory personnel are working on the development and evaluation of tri-service chartered infrared detectors, filters, and focal plane arrays. These activities require the use of potentially explosive gases, such as hydrogen; toxic gases, such as arsine and phosphine; and the use of

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
PHYSICS LABORATORY SAFETY IMPROVEMENTS	P-090

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

radiation and laser equipment. Insufficient ventilation increases the threat to personnel exposed to and using toxic gases. Cobalt 60 radiation sources and lasers are used without proper shielding and interlocks, requiring special precautions and scheduling to minimize unsafe exposures and still maintain work efforts. The compressed gas storage is inadequate and reduces the egress requirements below approved standards.

IMPACT IF NOT PROVIDED: Personnel will continue to be exposed to unnecessary dangers while working in a facility which does not meet federal regulations or accepted industry standards. Personnel will continue to be subjected to the unnecessary threat of toxic fumes, excessive radiation, and laser beams without the benefit of fire protection, alarms, and other safety 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	4-88
(b) Percent Complete as of January 1989	75
(c) Date Design 35% Complete	10-88
(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	(70)
(b) All Other Design Costs	(120)
(c) Total	190
(d) Contract	(155)
(e) In-house	(35)

(4) Construction start: 10-89 (month and year)

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

1. COMPONENT	FY 1990 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	OFEICER	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		1,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		8,430
f. PLANNED IN NEXT THREE PROGRAM YEARS		13,920
g. REMAINING DEFICIENCY		270,420
h. GRAND TOTAL		556,920

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.74	CHILD CARE CENTER	LS	1,000	10/85	03/89
	TOTAL		1,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
730.15	BRIG	48,250 SF	8,430	04/87	01/90
	TOTAL		8,430		
B. MAJOR PLANNED NEXT THREE YEARS:					
151.20	BERTHING PIER EXPANSION	126,000 SF	12,900		
722.10	MESS HALL ADDITION	380 PN	1,020		

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 1990 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 CHIE , 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		10,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		16,110
f. PLANNED IN NEXT THREE PROGRAM YEARS		20,430
g. REMAINING DEFICIENCY		45,770
h. GRAND TOTAL		181,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.30	WATERFRONT INDUST FACILITY	54,650 SF	10,800	04/88	06/89
	TOTAL		10,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

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		

B. MAJOR PLANNED NEXT THREE YEARS:

213.77	SHIP SPARES STRG FAC	18,100 SF	1,700
812.30	POWER UPGRADE PIER	LS	2,500
179.40	SMALL ARMS RANGE	LS	630

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA	WATERFRONT INDUSTRIAL FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	213.30	P-101	10,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATERFRONT INDUSTRIAL FACILITY	SF	54,650	-	6,350
BUILDING	SF	54,650	115.00	(6,300)
BUILT-IN EQUIPMENT	LS	-	-	(50)
SUPPORTING FACILITIES	-	-	-	3,400
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(3,060)
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(80)
SUBTOTAL	-	-	-	9,750
CONTINGENCY (5%)	-	-	-	490
TOTAL CONTRACT COST	-	-	-	10,240
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	560
TOTAL REQUEST	-	-	-	10,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four-story steel frame building, pile foundation, concrete and metal decking, prefabricated metal wall panels, bituminous roof membrane, freight and passenger elevators, fire protection system, ventilation and air conditioning, utilities; demolition of two buildings.

11. REQUIREMENT: 54,650 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a Submarine Nuclear (SSN) Extended Operating Cycle (SEOC) Selected Restricted Availability (SRA) facility. (New mission.)
REQUIREMENT: Adequate and properly-configured submarine intermediate maintenance facilities to accommodate shop and administrative space in support of SSN maintenance as mandated by implementation of the SEOC program. The SEOC program has demonstrated a reduction in the cost of maintenance and an increase in the number of submarines available for deployment.
CURRENT SITUATION: San Diego currently relies entirely on shipyard barges, submarine tenders, and other makeshift facilities to support SSN maintenance. None of these provide adequate shop space, storage areas, equipment, or personnel support facilities where 250 to 350 personnel can perform required tasks.
IMPACT IF NOT PROVIDED: Continued use of inadequately sized facilities and dependence on barges and submarine tenders. The cost of maintaining the SSN fleet would be increased and the readiness of the fleet would be reduced.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
WATERFRONT INDUSTRIAL FACILITY	P-101

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 1989	75
(c)	Date Design 35% Complete	11-88
(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	(505)
(b)	All Other Design Costs	(160)
(c)	Total	665
(d)	Contract	(665)
(e)	In-house	(0)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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		4,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		11,950
f. PLANNED IN NEXT THREE PROGRAM YEARS		50,490
g. REMAINING DEFICIENCY		29,400
h. GRAND TOTAL		194,450

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
851.20	BRIDGE	LS	4,800	11/84	09/86
	TOTAL		4,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
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		
B. MAJOR PLANNED NEXT THREE YEARS:					
171.20	WELDER TRAINING FACILITY	62,090 SF	8,700		
721.11	BARRACKS	720 PN	14,200		

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

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

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1805796N	851.20	P-352	4,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BRIDGE	LS	-	-	3,280
REINFORCED CONCRETE STRUCTURE	SY	2,770	740.00	(2,050)
GUARD HOUSES	SF	50	325.00	(20)
UTILITIES (MAINS) RELOCATION	LS	-	-	(1,210)
SUPPORTING FACILITIES	-	-	-	1,050
UTILITIES, PAVING & SITE IMPR, DEMOLITION	LS	-	-	(1,050)
SUBTOTAL	-	-	-	4,330
CONTINGENCY (5%)	-	-	-	220
TOTAL CONTRACT COST	-	-	-	4,550
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	250
TOTAL REQUEST	-	-	-	4,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete vehicular and pedestrian bridge, two traffic lanes, two sidewalks, two guard houses; relocate utilities; modify roads; paving and site improvement; bridge utilities; demolition of existing wooden bridge.

11. REQUIREMENT: As Required.

PROJECT: Constructs combined vehicular and pedestrian bridge. (Current mission.)

REQUIREMENT: An adequate and safe bridge across the small-craft canal for access to the Camp Nimitz area of the station, where the recruit in-processing facility, two receiving barracks, recruit dining facility, and housing for 50 recruit companies are located.

CURRENT SITUATION: Access to the Camp Nimitz area is by either a wooden bridge constructed in 1953 or by leaving the base, driving over city streets, and re-entering the Nimitz portion of the base. An engineering study reports the bridge has exceeded its normal life expectancy and is severely over stressed. Even after emergency repairs are completed, operating restrictions on bridge usage will close the bridge when winds exceed 30 MPH; allow no vehicles over the bridge with a gross weight exceeding five tons; allow only one vehicle on the bridge with a gross weight between three and a half tons and five tons; allow only two vehicles with a gross weight of less than three and a half tons on the bridge at a time, and these must maintain a minimum spacing of 75 feet;

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
BRIDGE	P-352

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
and require marching units to maintain a minimum spacing of 75 feet and not march in cadence. This bridge also carries the main steam line from Camp Nimitz steam plant and other utilities across the canal to the Naval Training Center and the Fleet Anti-Submarine Warfare Training Center, Pacific. The bridge is an important link between two significant areas of the training center. Fire trucks must use city streets, requiring additional time, increasing the risk for loss of lives and property. As there is no regularly manned entrance to the Nimitz area, any vehicle over five tons must make prior arrangement with the security force to be admitted and later to be allowed to exit.
IMPACT IF NOT PROVIDED: Continued use of the bridge imperils lives. Catastrophic failure will sever utility lines and close the small boat canal, creating severe disruption of base activities until emergency repairs are completed.

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..... 11-84
- (b) Percent Complete as of January 1989..... 100
- (c) Date Design 35% Complete..... 10-85
- (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..... (270)
- (b) All Other Design Costs..... (235)
- (c) Total..... 505
- (d) Contract..... (405)
- (e) In-house..... (100)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 1990 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 09/30/88	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	(2,093)	
b. INVENTORY TOTAL AS OF 30 SEP 88		307,740
c. AUTHORIZATION NOT YET IN INVENTORY		19,850
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		21,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		39,490
g. REMAINING DEFICIENCY		47,290
h. GRAND TOTAL		439,970

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831.41	HAZARD WASTE STRG FACS	LS	2,900	04/88	04/89
832.10	MUNICIPAL SEWER CONNECT	LS	1,500	N/A	N/A
	TOTAL		4,400		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

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		

B. MAJOR PLANNED NEXT THREE YEARS:

214.20	AUTO VEH MAINT/HOLD SHED	54,280 SF	9,240
812.30	ELEC DISTRIBUTION SYSTEM	LS	14,000

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 1990 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		3,910
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		11,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,000
g. REMAINING DEFICIENCY		5,800
h. GRAND TOTAL		182,010

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	HANDICAPPED ACCESS IMPROVS	LS	360	05/88	07/89
841.20	WATER SUPPLY SYSTEM IMPRVS	LS	3,550	N/A	N/A
	TOTAL		3,910		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

219.10	PUBLIC WORKS SHOPS	176,020 SF	11,200	11/88	01/90
	TOTAL		11,200		

B. MAJOR PLANNED NEXT THREE YEARS:

811.00	ELEC POWER DIST	LS	3,000		

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER, SAN FRANCISCO, CALIFORNIA	WATER SUPPLY SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	841.20	P-071	3,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATER SUPPLY SYSTEM IMPROVEMENTS	LS	-	-	3,200
SUBTOTAL	-	-	-	3,200
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,360
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	190
TOTAL REQUEST.	-	-	-	3,550
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Funding Navy's share of cost to the San Francisco Water Department for upgrading the municipal water supply main to the Treasure Island Naval Station.

11. REQUIREMENT: As Required.

PROJECT: Provides Navy's funding share for the City of San Francisco to replace about two miles of 10-inch water main mounted on the Oakland Bay Bridge with 12-inch cement-lined pipe and to upgrade pumping facilities. (Current mission.)

REQUIREMENT: An adequate supply of potable water is required to meet the ever-increasing demand at the Treasure Island Naval Station. Potable water usage is estimated to increase 33 percent over the present level of two million gallons per day and reach a projected demand of 2.7 million gallons per day by 1992 because of growth in waterfront support and proposed construction of facilities including family housing. Upgrading of the city's pumping station and the pipeline to Yerba Buena Island is required to meet the higher demand. The Navy is the sole user of this part of the water transmission system, and as such is required by the city's general policy to fund the upgrading of facilities.

CURRENT SITUATION: The flow capacity of the 10-inch main that delivers water from San Francisco to Treasure Island is marginally adequate for meeting the present demand because of friction losses in the pipe. Age and constant use have eroded and roughened the interior of the pipeline, significantly reducing its flow capacity. (Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER, SAN FRANCISCO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
WATER SUPPLY SYSTEM IMPOVEMENTS	P-071

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Water shortages will possibly occur during peak demand periods. Routine use of water will have to be curtailed to provide adequate quantities to critical users and facilities. Fire protection and fire fighting training will be adversely affected by an inadequate water supply.

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..... N/A
- (b) Percent Complete as of January 1989..... N/A
- (c) Date Design 35% Complete..... N/A
- (d) Date Design Complete..... N/A

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

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

(4) Construction start..... 11-89 (month and year)

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

N/A: Design by others.

1. COMPONENT	FY 1990 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	15	108	2315	0	0	0	0	0	0	2438

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		9,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		8,830
f. PLANNED IN NEXT THREE PROGRAM YEARS		42,800
g. REMAINING DEFICIENCY		44,520
h. GRAND TOTAL		211,790

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421.72	MISSILE MAGAZINES	36,000 SF	9,000	03/88	10/89
	TOTAL		9,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

315.30	WEAPONS TEST & EVAL FAC	48,000 SF	8,830	11/88	01/90
	TOTAL		8,830		

B. MAJOR PLANNED NEXT THREE YEARS:

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

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA	MISSILE MAGAZINES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	421.72	P-129	9,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE MAGAZINES	SF	36,000	-	7,220
MAGAZINES	SF	36,000	170.00	(6,120)
LOADING PLATFORM	LS	-	-	(450)
RAILROAD SIDING	LF	3,800	171.00	(650)
SUPPORTING FACILITIES	-	-	-	900
UTILITIES	LS	-	-	(380)
PAVING AND SITE IMPROVEMENT	LS	-	-	(520)
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 earth-covered reinforced concrete five-bay missile magazines, 16-foot wide doors, loading docks, railroad siding, asphalt paving, lightning and fire protection and security systems, utilities.

11. REQUIREMENT: 72,000 SF. ADEQUATE: 36,000 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs four missile storage magazines. (Current mission.)
REQUIREMENT: Adequate storage of STANDARD and TOMAHAWK missiles in shipping and storage containers and vertical launch system (VLS) encanistered ready-for-issue and all-up-round (AUR) configurations requires magazines designed for missile storage. New or reworked assembled missiles are stored prior to loading into canisters or being placed in the AUR configuration. STANDARD and TOMAHAWK missiles are moved to the canister loading facility, placed into canisters, and returned to storage awaiting fleet issue. Fleet returns are stored awaiting missile rework or testing.
CURRENT SITUATION: Current and projected missile storage requirements will result in a shortage of four magazines by 1990. Existing missile storage consists of 40-year old conventional ordnance magazines. These magazines do not provide efficient storage of missiles because of inadequate interior clear spaces and door widths. These magazines will not meet projected requirements.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
MISSILE MAGAZINES	P-129

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Storage of STANDARD and TOMAHAWK missiles to meet VLS projected requirements will not be possible after FY 1990. Utilization of conventional ordnance magazines to meet a fraction of the total requirement will subject these missiles to additional handling and increased potential for damages or explosive mishap. Providing only minimum storage capacity will adversely impact operational readiness vital to the national defense.

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 1989..... 50
- (c) Date Design 35% Complete..... 9-88
- (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..... (5)
- (b) All Other Design Costs..... (50)
- (c) Total..... 55
- (d) Contract..... (0)
- (e) In-house..... (55)

(4) Construction start..... 2-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS AIR STATION, TUSTIN, CALIFORNIA	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	17	158	34	0	0	0	551	4521	87	5368
b. END FY 1994	24	271	40	152	100	0	369	1991	63	3010

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,692)	
b. INVENTORY TOTAL AS OF 30 SEP 88		77,650
c. AUTHORIZATION NOT YET IN INVENTORY		56,670
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,990
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		25,260
g. REMAINING DEFICIENCY		123,850
h. GRAND TOTAL		286,420

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.30	HAZ/FLAMM STOREHOUSE	LS	640	08/88	04/89
872.15	FLIGHT LINE SEC IMPRVS	LS	2,350	09/86	05/89
	TOTAL		2,990		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

211.81	ENGINE TEST CELL	LS	760
740.43	PHYSICAL FITNESS CENTER	16,800 SF	3,500
141.40	AIRCRAFT OPERATIONS BLDG	12,640 SF	1,100
171.35	FLIGHT SIMULATOR TRNG FAC	30,000 SF	5,000
141.25	CMBD STRUC/AC FIRE RES STA	4,800 SF	1,200

10. MISSION OR MAJOR FUNCTIONS:
Maintain and operate facilities and provide services and materials to support the operation of the 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	490
B: INSTALLATION RESTORATION	1,200
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, TUSTIN, CALIFORNIA	FLIGHT LINE SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	872.15	P-253	2,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLIGHT LINE SECURITY IMPROVEMENTS	LS	-	-	1,070
FENCING	LF	24,360	24.00	(580)
LIGHTING	LS	-	-	(400)
GUARDHOUSES	LS	-	-	(90)
SUPPORTING FACILITIES	-	-	-	1,050
ELECTRICAL UTILITIES	LS	-	-	(960)
PAVING AND SITE IMPROVEMENT	LS	-	-	(90)
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

Seven-foot high chain link security fence with three-strand barbed wire outrigger on one side; sliding and rolling gates; pedestrian turnstiles; warning signs; lighting along fence; guard houses; utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides improved security for the flight line and the remote fuel farm. (Current mission.)

REQUIREMENT: Adequate facilities including lighting, and fencing to correct security deficiencies on the flight line and in facilities which directly support aircraft operations. Fencing is required to limit access to the flight line and the fuel farm. New lighting is essential to ensure adequate security.

CURRENT SITUATION: There are few physical barriers limiting access to the flight line or to aircraft repair facilities. There are no identification or personnel movement control systems for vehicles parking at the edge of flight lines or at hangar entrances.

IMPACT IF NOT PROVIDED: The flight line and fuel farm facilities will continue to be vulnerable to the potential threat of sabotage, espionage, pilferage, and vandalism. These actions will impact directly on the Fleet Marine Force operations of the Third Marine Air Wing and their support to units of the First Marine Division. The assets involved are individually high-cost aircraft vital to the National Defense effort. Lead time to replace loss of these assets could seriously jeopardize Fleet Marine Force operations.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
MARINE CORPS AIR STATION, TUSTIN, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
FLIGHT LINE SECURITY IMPROVEMENTS	P-253

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 1989	75
(c)	Date Design 35% Complete	12-86
(d)	Date Design Complete	5-89

(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	(115)
(c)	Total	215
(d)	Contract	(200)
(e)	In-house	(15)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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		3,140
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		10,100
f. PLANNED IN NEXT THREE PROGRAM YEARS		34,880
g. REMAINING DEFICIENCY		147,250
h. GRAND TOTAL		476,850

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.40	SMALL ARMS RANGE IMPVS	LS	1,590	07/86	12/87
217.10	ELEC COMMS MAINT SHOP	10,000 SF	1,550	04/88	05/89
	TOTAL		3,140		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

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		

B. MAJOR PLANNED NEXT THREE YEARS:

143.45	ARMORY	LS	1,600
740.74	CHILD CARE CENTER	25,550 SF	4,100

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	217.10	P-461	1,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP.	SF	10,000	91.00	910
SUPPORTING FACILITIES.	-	-	-	490
ELECTRICAL UTILITIES	LS	-	-	(60)
MECHANICAL UTILITIES	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(210)
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 reinforced concrete frame building, tilt-up concrete wall panels, concrete foundation and floor, built-up roof over rigid insulation on steel roof joists, utilities, fire protection system, heating and air conditioning.

11. REQUIREMENT: 10,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an electronics communications maintenance shop and supporting facilities. (Current mission.)
REQUIREMENT: An adequate and properly-configured maintenance facility for the Communications Electronics Division (CED) to insure the reliability of this center's communication equipment. The CED installs, maintains, and tests all base communication systems and all electronic and communications gear used for the ten combined arms exercises held at this center each year. Additional shops and support areas are required for maintenance, repair, and testing of new equipment.
CURRENT SITUATION: Existing facilities consist of a 30-year old pre-engineered warehouse converted to a shop in 1977. A shortage of space forces parts inventory to be low, promotes poor inventory control, and reduces the repair, maintenance and testing that can be accomplished. These deficiencies cause the operating reliability of the equipment to be unacceptably low.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP	P-461

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: The level of reliability for this center's communications equipment will continue to deteriorate. The poor quality assurance of communications equipment will adversely affect the entire center. Improperly maintained equipment used in live-fire exercises is a safety hazard which adversely affects the effectiveness of the training exercises and jeopardizes the safety of the participants.

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 1989	50
(c)	Date Design 35% Complete	11-88
(d)	Date Design Complete	5-89

(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	(110)
(c)	Total	175
(d)	Contract	(155)
(e)	In-house	(20)

(4) Construction start: 2-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	SMALL ARMS RANGE IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	179.40	P-053	1,590

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SMALL ARMS RANGE OUTDOOR	LS	-	-	640
RANGE OPERATIONS BUILDING	SF	9,720	40.00	(390)
RANGE IMPROVEMENTS	SY	-	-	(100)
SUPPORT BUILDINGS	SF	2,350	64.00	(150)
SUPPORT FACILITIES	-	-	-	800
ELECRICAL UTILITIES	LS	-	-	(60)
MECHANICAL UTILITIES	LS	-	-	(350)
PAVING, SITE IMPROVEMENT, DEMOLITION	LS	-	-	(390)
SUBTOTAL	-	-	-	1,440
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,510
SUPERVISION, INSPECTION & OVERHEAD	-	-	-	80
TOTAL REQUEST	-	-	-	1,590
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One two-story and two one-story reinforced concrete and masonry buildings, concrete foundation and floor, open web steel joist roofs; restrooms of concrete block and wood joist roofs; utilities, drinking fountains at firing line, earth berms, firing lines, paved ramps, erosion control, pistol target mechanism automation, range road relocation; demolition of eight buildings.

11. REQUIREMENT: As Required.

PROJECT: Provides classroom and facility maintenance buildings, a potable water system, remotely located restroom facilities, and improves firing lines, ramps, and target mechanisms on both the rifle and pistol ranges. (Current mission.)

REQUIREMENT: Adequate facilities for all Marines, regardless of rank, to annually train and demonstrate proficiency in small arms use and maintenance. This is necessary to satisfy directives and orders.

CURRENT SITUATION: During 1985, approximately 6,200 shooters were qualified at the small arms range. Each shooter spends a full week of training, firing, and small arms maintenance at the firing range. No modern plumbing exists for drinking water or restroom facilities. Administrative and maintenance functions are performed in a building, constructed in 1955, which is too small to meet the requirement and cannot be economically modernized. No classroom exists at the range. Instruction is conducted outdoors, subjecting students to the desert environment of

(Continued on DD 1391c)

1. COMPONENT	FY 1990 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
SMALL ARMS RANGE IMPROVEMENTS	P-053

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
temperatures in excess of 90 degrees 151 days a year or below 32 degrees 35 days a year. The targets on the pistol range have outlived their service life and are interfering with pistol firing evolutions. Target lines and firing points on the rifle range require rework because of erosion.
IMPACT IF NOT PROVIDED: Range usage is scheduled to increase 40 percent. The range complex will not be able to handle this growth, Marines will not be able to maintain their weapons skill levels, and users of the range will continue to use facilities without potable water and basic sanitation.

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 1989..... 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..... (75)
- (b) All Other Design Costs..... (150)
- (c) Total..... 225
- (d) Contract..... (190)
- (e) In-house..... (35)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARE ISLAND NAVAL SHIPYARD, VALLEJO, 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	46	12	9190	0	0	0	60	500	0	9808
b. END FY 1994	46	18	8700	0	0	0	72	600	0	9436

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(5,620)	
b. INVENTORY TOTAL AS OF 30 SEP 88		260,230
c. AUTHORIZATION NOT YET IN INVENTORY		17,690
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		14,700
g. REMAINING DEFICIENCY		161,190
h. GRAND TOTAL		460,110

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.65	CONTROLLED INDUS BLDG ADDN	24,880 SF	6,300	05/88	10/89
	TOTAL		6,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

151.10	PIER IMPROVEMENTS	200 FB	8,500
851.10	REALIGN MAIN GATE	LS	3,500
871.45	DREDGING IMPROVEMENTS	16,200 LF	2,700

10. MISSION OR MAJOR FUNCTIONS:
Maintenance and overhaul of modern submarines, including attack and fleet ballistic missile submarines, and surface ships (except carriers). Logistic support provided includes conversion, overhaul, repair, alterations, and dry docking. This yard also provides support for submarine warfare weapons 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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARE ISLAND NAVAL SHIPYARD, VALLEJO, CALIFORNIA	CONTROLLED INDUSTRIAL BUILDING ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702228N	213.65	P-281	6,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONTROLLED INDUSTRIAL BUILDING ADDITION. . .	SF	24,880	-	4,960
BUILDING	SF	24,880	157.00	(3,900)
BUILT-IN EQUIPMENT	LS	-	-	(1,060)
SUPPORTING FACILITIES.	-	-	-	730
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(520)
UTILITIES.	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(120)
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-story reinforced concrete and masonry building, pile foundations, concrete floors, masonry walls, built-up roof, fire protection system, mechanical ventilation system, utilities; weight-handling process equipment; shop spaces environmentally controlled with negative air pressure through out; demolition of six buildings.

11. REQUIREMENT: 35,800 SF. ADEQUATE: 10,920 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs building addition to provide a very specialized industrial facility, to correct work methods and equipment, and to reduce the volume of material disposed of. (Current mission.)
REQUIREMENT: Specially designed and controlled facilities to accommodate consolidation of solid waste handling functions while improving work space utilization within the controlled industrial repair facility.
CURRENT SITUATION: Existing controlled facility is inadequate in space and configuration to accommodate current and future workloads. The facility is overcrowded and has caused liquid and solid waste-handling functions to be dispersed throughout the existing complex, resulting in a non-optimal workspace arrangement.
IMPACT IF NOT PROVIDED: Reduced efficiency and continued overcrowding of controlled workspace necessary for submarine repairs to maintain fleet readiness.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARE ISLAND NAVAL SHIPYARD, VALLEJO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
CONTROLLED INDUSTRIAL BUILDING ADDITION	P-281

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 1989	35
(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	(315)
(b) All Other Design Costs	(125)
(c) Total	440
(d) Contract	(390)
(e) In-house	(50)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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		24,250
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		26,270
f. PLANNED IN NEXT THREE PROGRAM YEARS		92,600
g. REMAINING DEFICIENCY		490
h. GRAND TOTAL		402,870

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
216.40	WEAPONS FAC (INCR II)	35,210 SF	1,400	06/87	09/88
421.22	WEAPONS STORAGE IMPVS	LS	3,500	09/85	06/87
721.11	BACHELOR ENLISTED QUARTERS	90,200 SF	11,900	06/88	04/89
740.74	CHILD CARE CENTER	LS	1,000	-	-
821.22	BOILER PLANT MODIFICATIONS	LS	2,750	07/86	10/88
831.20	MUNICIPAL SEWER CONNECTION	LS	3,700	N/A	N/A
	TOTAL		24,250		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

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		

B. MAJOR PLANNED NEXT THREE YEARS:

151.50	REPLACE PIER 1	LS	7,200

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 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	721.11	P-169	11,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	90,020	80.00	7,210
SUPPORTING FACILITIES.	-	-	-	3,530
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(1,490)
ELECTRICAL UTILITIES	LS	-	-	(680)
MECHANICAL UTILITIES	LS	-	-	(570)
PAVING AND SITE IMPROVEMENT, DEMOLITION.	LS	-	-	(790)
SUBTOTAL	-	-	-	10,740
CONTINGENCY (5%)	-	-	-	540
TOTAL CONTRACT COST.	-	-	-	11,280
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	620
TOTAL REQUEST.	-	-	-	11,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story steel frame building, concrete foundations, masonry walls with brick facing, precast concrete plank floors and roof, fire protection system, utilities, air conditioning; service roads; rock excavation; 116 two-bedroom modules with private bathrooms, lounges, laundry, vending, storage, mechanical equipment; demolition of private residences. Grade mix: 328 E1-E4, 68 E5-E6. Total 396.

11. REQUIREMENT: 4,746 PN. ADEQUATE: 3,974 PN. SUBSTANDARD: 546 PN.
PROJECT: Provides adequate billeting for 396 enlisted personnel, either assigned to the station as support personnel or to submarines homeported at the base. (Current mission.)
REQUIREMENT: Adequate housing for 4,746 enlisted personnel.
CURRENT SITUATION: Existing adequate berthing capacity of 3,974 spaces, including 546 substandard spaces requiring modernization, and 538 personnel residing in the civilian community, is insufficient, resulting in overcrowding. A new construction deficiency of 772 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. All projected space requirements are revalidated annually by a new survey which updates planning projections.
IMPACT IF NOT PROVIDED: Adequate living quarters for all bachelor enlisted personnel will continue to be unavailable, resulting in degradation of morale, and career retention efforts.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-169

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 1989	40
(c)	Date Design 35% Complete	10-88
(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	(520)
(b)	All Other Design Costs	(235)
(c)	Total	755
(d)	Contract	(670)
(e)	In-house	(85)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	BOILER PLANT MODIFICATIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	821.22	P-377	2,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BOILER PLANT MODIFICATIONS	LS	-	-	2,490
SUBTOTAL	-	-	-	2,490
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,610
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	140
TOTAL REQUEST.	-	-	-	2,750
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Plant modifications including metering, controls, variable speed fan drives, recording devices, construct control room.

11. REQUIREMENT: As Required.

PROJECT: Installs a microprocessor based system for boiler plant monitoring and management control; replaces all steam, water, and oil flow metering devices with digital meters; installs variable speed drives on induced draft fans on three boilers; replaces twenty-year old worn out boiler combustion controls with a dedicated microprocessor based digital control system; constructs an insulated acoustically designed central control room to facilitate the centralized management and control of plant operations. (Current mission.)

REQUIREMENT: Adequate modern controls and safety devices for a safer and more efficient boiler plant operation. Combustion controls, metering devices, and ancillary equipment are obsolete and in need of replacement.

CURRENT SITUATION: The boiler plant was originally installed prior to 1920, meters were installed in the 1950's, and combustion controls upgraded ten years later. This resulted in poorly located indicators and meters, inefficiencies in operations and monitoring, and conditions which are potentially hazardous and could result in violation of air pollution standards. Efficient controls and modern safety devices do not exist.

IMPACT IF NOT PROVIDED: Plant will continue to be operated inefficiently with the potential for a hazardous incident and violation of pollution standards.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
BOILER PLANT MODIFICATIONS	P-377

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 1989	100
(c) Date Design 35% Complete	11-86
(d) Date Design Complete	10-88

(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	(120)
(b) All Other Design Costs	(70)
(c) Total	190
(d) Contract	(170)
(e) In-house	(20)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	WEAPONS FACILITIES (INCREMENT II)

5. PROGRAM ELEMENT	6 CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	216.40	P-419	1,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS FACILITIES	SF	35,210	-	5,520
BUILDING ADDITION AND ALTERATIONS	SF	35,210	105.00	(3,710)
BUILT-IN EQUIPMENT	LS	-	-	(1,810)
SUPPORTING FACILITIES	-	-	-	800
UTILITIES, PAVING & SITE IMPR, DEMOLITION	LS	-	-	(800)
US PART OF SIOH FOR NATO PORTION (3%)	-	-	-	150
SUBTOTAL	-	-	-	6,470
LESS: NATO SHARE	-	-	-	-5,200
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

Steel-frame building addition, concrete foundation and floors, insulated metal wall and roof panels; building alterations; overhead crane; jib crane, exhaust system, lightning protection and grounding system, intrusion detection system, emergency electric power generator, compressed air system, fire protection system, air conditioning, ventilation, utilities; demolition of a portion of one buiding.

11. REQUIREMENT: 83,200 SF. ADEQUATE: 47,990 SF. SUBSTANDARD: (30,310) SF.
PROJECT: Provides weapons maintenance and operations facilities. (New mission.)
REQUIREMENT: Adequate weapons production and maintenance facilities. Mission changes have eliminated production requirements for the Mark 14 and Mark 37 torpedoes, increased production requirements for the standard Mark 48 torpedo, introduced the Mark 48 Advance Capability (ADCAP) torpedo, and added production requirements for Tomahawk and Harpoon weapons systems. This project will upgrade and consolidate weapons functions to meet assigned torpedo and missile production workload. The MK-48 ADCAP torpedo was developed to counter advanced submarine technology. The ADCAP performance requirements were to improve target acquisition range, reduce the effect of enemy countermeasures, minimize shipboard constraints such as warm-up and reactivation time, and enhance effectiveness against surface ships. The principal changes to the MK-48 to meet these requirements were made to the torpedo's guidance and control systems. These improvements

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	
4. PROJECT TITLE	5. PROJECT NUMBER
WEAPONS FACILITIES (INCREMENT II)	P-419

11. REQUIREMENT: (Continued)
require new maintenance techniques and test, calibration and repair equipment. The new workload will increase to about 536 torpedoes a year by the late 1990's. Intermediate maintenance is necessary to ensure the full operational capability of these advanced weapons. Facilities are also needed to support 42 Tomahawk test missiles introduced in the late 1980's. Weapons handling requires facilities for continuous maintenance and upkeep of weapons transfer vehicles, including garage facilities and a protected shelter for refuge from lightning storms during weapons handling operations along the waterfront.

CURRENT SITUATION: Changing workload, relocation, and consolidation of weapons facilities over a period of years has resulted in inefficient shop layouts and scattered inadequate facilities. The present Mark 48 Torpedo shop has a capacity of 510 units a year. The standard Mark 48 workload increased to 780 units in 1987, creating crowding and production backlogs. The weapons department has grown from 68 to 160 persons with the addition of the Tomahawk and Harpoon workload. The existing torpedo intermediate maintenance facility is fully utilized for production and maintenance of the standard MK-48, Tomahawk, and Harpoon workload. The standard MK-48 workload will continue until the year 2010 when these older torpedoes are phased out of the fleet. Intermediate maintenance functions includes warshot and exercise preparation, warshot verification, exercise teardown and turnaround, weapons and component storage as well as test, calibration and repair.

IMPACT IF NOT PROVIDED: MK-48 production will continue in crowded facilities resulting in production delays. The implementation of the MK-48 ADCAP program will be severely hindered by a lack of specialized equipment and production and storage areas. Weapon reliability and IOC will be compromised because intermediate maintenance support will not be sufficient for all torpedoes in the inventory. Weapons transfer vehicles and equipment will suffer from inadequate maintenance and storage facilities resulting in more downtime. Requirements to protect individuals and private property from potential explosive hazards will not be realized. This project continues the weapons facilities improvement program. The first increment was approved in the FY 1989 MILCON Program.

ADDITIONAL: Most of this project's scope is NATO eligible and will be funded by NATO Infrastructure. The remaining scope to be funded by this US Military Construction project is not NATO eligible. Prefinancing under NATO procedures is not planned for this project.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
WEAPONS FACILITIES (INCREMENT II)	P-419

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 1989..... 100
(c) Date Design 35% Complete..... 12-87
(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..... (310)
(c) Total..... 500
(d) Contract..... (350)
(e) In-house..... (150)

(4) Construction start..... 1-90
(month and year)

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

1. COMPONENT	FY 19_90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	WEAPONS STORAGE IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	421.22	P-356	3,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS STORAGE IMPROVEMENTS	LS	-	-	2,030
SUPPORTING FACILITIES.	-	-	-	1,130
UTILITIES.	LS	-	-	(360)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(770)
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

Excavation around magazines, replacing concrete bulkheads, backfill, subsurface drainage, waterproof membranes; replace doors, high security hasps and pad-locks; floor topping, grounding system, weapons loader facility, loading dock, expand container holding yard, access roads and road extensions, weapons area security fence, security lighting, utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides structural improvements to weapons storage magazines, weapons container holding yard and access road, and to security facilities. (Current mission.)

REQUIREMENT: To correct physical deficiencies in existing high explosive and other weapons storage magazines, to improve weapons handling facilities and security around weapons storage and handling facilities. Terrorism around the world is on the increase, with targets that include US military installations, equipment, and personnel. Experiences, such as the destruction of Navy aircraft in San Juan several years ago, highlight the need to improve security around military installations. This project installs surveillance equipment and security lighting around the weapons storage and handling facilities.

CURRENT SITUATION: New London is the Atlantic Fleet primary submarine homeport and principal submarine training facility. Submarines homeported are maintained and replenished periodically with provisions and weapons. Storage and maintenance of torpedoes and other weapons are an important

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
WEAPONS STORAGE IMPROVEMENTS	P-356

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
mission of the base. Engineering investigations have shown the weapons storage magazines have reached the end of their structural life and require extensive repair. Foundations need to be leveled, walls need waterproofing, doors need replacing, and locks need upgrading. The weapons container holding yard needs upgrading. The security lighting illuminates only the magazines and not the fence-line and outside the secure area. Lighting of the outside areas is required to improve assessment and to allow detection before intrusion into the weapons area. The magazine bulkheads and doors are the most vulnerable aspects of the magazine to intruders.
IMPACT IF NOT PROVIDED: Potential severe destruction of neighboring facilities in the event of an accident resulting in an explosion in a magazine. Potential breach of security or terrorist attack resulting from a lack of adequate security facilities. The longer this project is delayed, the larger the number of magazines taken out of service because of flooding, structural deficiencies, and broken doors. New weapons, including TOMAHAWK, MK-48 ADCAP torpedo, and HARPOON will be delivered to the submarine base in the early 1990's. All the existing magazines will be required to accommodate these additional weapons. Deferral will aggravate the storage problems in the future. Predicting sabotage and terrorist acts is not possible. The longer the security features are delayed, the greater the changes of a serious incident.

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..... 9-85
- (b) Percent Complete as of January 1989..... 100
- (c) Date Design 35% Complete..... 1-86
- (d) Date Design Complete..... 6-87

(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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	
4. PROJECT TITLE	5. PROJECT NUMBER
WEAPONS STORAGE IMPROVEMENTS	P-356

12. SUPPLEMENTAL DATA: (Continued)

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

	($000)
(a) Production of Plans and Specifications	(145)
(b) All Other Design Costs	(110)
(c) Total	255
(d) Contract	(230)
(e) In-house	(25)

(4) Construction start ..... 12-89 (month and year)

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

1. COMPONENT	FY 1990 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	29	338	1549	0	0	0	0	2783
b. END FY 1994	129	839	29	381	2452	0	0	0	0	3830

7. INVENTORY DATA ($000)

	TENANT OF NSB
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	9,540
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	15,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,300
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	35,040

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	OPERATIONAL TRAINER FAC	55,900 SF	8,200	07/86	09/88
	TOTAL		8,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
171.35	OPS TRAINER FAC	91,000 SF	15,000	12/88	06/90
	TOTAL		15,000		
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 19 90 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-174	8,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL TRAINER FACILITY	SF	55,900	-	6,340
BUILDING	SF	55,900	93.00	(5,180)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
BUILT-IN EQUIPMENT	LS	-	-	(1,100)
SUPPORTING FACILITIES	-	-	-	1,060
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(720)
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT	LS	-	-	(90)
SUBTOTAL	-	-	-	7,400
CONTINGENCY (5%)	-	-	-	370
TOTAL CONTRACT COST	-	-	-	7,770
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	430
TOTAL REQUEST	-	-	-	8,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(2,430)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story steel frame building, concrete foundation and floors, masonry walls, built-up roof, compressed air system, hydraulics systems, elevators, cranes, process cooling system, 400HZ electric power generator, lightning protection, fire protection system, air conditioning, utilities; rock excavation.

11. REQUIREMENT: 131,730 SF. ADEQUATE: 75,830 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a facility for advanced engineering training on submarine mechanical systems. (Current mission.)
REQUIREMENT: Adequate and properly-configured facility for training submarine students in the advanced skills necessary for the operation and maintenance of shipboard mechanical systems, including diesel engines, oxygen generators, air compressors, propulsion components, heating, ventilating and air conditioning, pumps hydraulics and evaporators.
CURRENT SITUATION: Advanced training is performed in an inadequate building located in the waterfront area. This building, constructed in 1940 as a locomotive repair shop, has been expanded and modified several times. It is poorly laid-out for a training building, and its utility systems are taxed to the limit. There is no space for expansion to accommodate new equipment planned for installation through 1990. The waterfront building is needed for submarine maintenance functions. This proposed building will be in the consolidated training area, avoiding the present split training and need to admit students to the secure industrial area.
(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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-174

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Training will continue in the waterfront area with no allowance for new training equipment. Required training on submarine technical equipment cannot be accommodated without sacrificing training in other areas. There will be an overall lowering of the broad range of submarine training capability and effectiveness, with a direct and adverse impact on fleet morale and 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..... 7-86
- (b) Percent Complete as of January 1989..... 100
- (c) Date Design 35% Complete..... 11-86
- (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..... (400)
- (b) All Other Design Costs..... (125)
- (c) Total..... 525
- (d) Contract..... (450)
- (e) In-house..... (75)

(4) Construction start..... 1-90 (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)
Submarine Mechanical Training Devices	OPN-1	1986 - 1988	2,430

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL UNDERWATER SYSTEMS CENTER, NEW LONDON, CONNECTICUT	SPACE AND NAVAL WARFARE SYSTEMS COMMAND	1.17

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	8	13	1460	0	0	2	0	0	0	1483
b. END FY 1994	8	13	1470	0	0	2	0	0	0	1493

7. INVENTORY DATA ($000)

	TENANT OF NSB
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	11,230
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	12,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	12,200
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	36,030

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317.10	ELECTROMAG SYSTEMS LAB	91,250 SF	12,600	06/88	06/89
	TOTAL		12,600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

320.10	TOWED ARRANG FACILITY	LS	12,200

10. MISSION OR MAJOR FUNCTIONS:

This 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. Performs a wide variety of functions ranging from exploratory research through the in-service engineering assistance to the Fleet throughout the life-cycle of these 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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL UNDERWATER SYSTEMS CENTER, NEW LONDON, CONNECTICUT	ELECTROMAGNETIC SYSTEMS LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	317.10	P-105	12,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTROMAGNETIC SYSTEMS LABORATORY	SF	91,250	-	10,980
BUILDING	SF	91,250	114.00	(10,400)
BUILT-IN EQUIPMENT	LS	-	-	(580)
SUPPORTING FACILITIES	-	-	-	390
ELECTRICAL UTILITIES	LS	-	-	(140)
MECHANICAL UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT	LS	-	-	(160)
SUBTOTAL	-	-	-	11,370
CONTINGENCY (5%)	-	-	-	570
TOTAL CONTRACT COST	-	-	-	11,940
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	660
TOTAL REQUEST	-	-	-	12,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(35,750)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story steel frame building, reinforced concrete spread footings and floors, precast concrete and brick faced exterior walls, built-up roofing, elevators, anechoic chambers, secure compartmented information area, secure space for submarine communications and electronic warfare systems, technical laboratories for research and systems integration, unique laboratory support spaces, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 91,250 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a secure research, development, test and evaluation (RDT&E) laboratory for shore-based testing of communications and electronic warfare systems, including its life-cycle support, for all submarines. (Current mission.)
REQUIREMENT: Adequate and unique shore-based RDT&E facilities for essential integration of submarine communications and electronic warfare systems for all submarine (SSBN, SSN) missions, including anti-submarine warfare (ASW), anti-surface ship warfare (ASSW), surveillance, strike warfare, and strategic deterrance. Submarine operations require substantial improvement in connectivity to National Command Authorities for targeting data, as well as command and control. Improved speed and depth performance of submarine sensor systems to reduce the vulnerability to detection is a further necessity. The Soviet naval expansion is significantly increasing the vulnerability of U.S. submarines to detection

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL UNDERWATER SYSTEMS CENTER, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTROMAGNETIC SYSTEMS LABORATORY	P-105

11. REQUIREMENT: (Continued)
and attack, thus placing ever-increasing demands on our strategic communications systems for SSBN's. The U.S. Navy forward area maritime strategy for SSN's will place these submarines in hostile waters during critical periods, compounding the problem of providing secure reliable covert communications to these vessels. The expanding SSN missions in ASSW, as well as the introduction of long-range cruise missiles into the strike warfare scenarios, are greatly increasing the demands upon communications and electronic warfare support measures (EWSM) systems.
CURRENT SITUATION: New London is the Navy's principal center for unique submarine communications systems, electronic warfare (EW) systems, and electro-magnetic (EM) electro-optics reconnaissance and search systems. The current workload covers developments in the specialized submarine EM areas of antennas, exterior communications, EW systems, electro-optics, periscopes, and EM compatibility. Major programs within these areas include development of the Submarine Integrated Antenna System, the Navy's Satellite Communication Program, Communications RDT&E, Periscope Program, Ship EM Improvements Program, and an expanding technology base program to provide the basic research relevant to current and future submarine EM needs. Present facilities devoted to EM RDT&E are inadequate with respect to space, configuration, security, shielding, and other unique attributes. Existing anechoic chambers are too small to provide an adequately-sized quiet zone for the full range of submarine antennas. Secure shielded facilities for shore-based testing of some systems under development do not exist. The present facilities must be maintained to support immediate research and fleet technology introduction efforts and are unavailable to meet expanding program needs.
IMPACT IF NOT PROVIDED: Inability to provide special access spaces for secure RDT&E and complete integration of submarine EM systems prior to at-sea testing, saving operational submarine time and costly rework. Delay in advanced EM improvements causing continued platform vulnerability to enemy threats and detection. Continued inefficient and ineffective utilization of key personnel and equipment because of scattered facility locations, thereby hindering research efforts.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL UNDERWATER SYSTEMS CENTER, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTROMAGNETIC SYSTEMS LABORATORY	P-105

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 1989..... 35
(c) Date Design 35% Complete..... 11-88
(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..... (515)
(b) All Other Design Costs..... (200)
(c) Total..... 715
(d) Contract..... (630)
(e) In-house..... (85)

(4) Construction start..... 1-90 (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)
Various and related equipment including computer system, communication control suites, anechoic chamber, periscope bouys, antennas, optics laboratory, miscellaneous instruments	RDT&E/ACP	1988 - 1991	35,750

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA	CHIEF OF NAVAL OPERATIONS	1.04

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	2269	2956	1041	22	6	0	0	0	0	6294
b. END FY 1994	2222	2840	886	22	6	0	0	0	0	5976

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(578)	
b. INVENTORY TOTAL AS OF 30 SEP 88		95,660
c. AUTHORIZATION NOT YET IN INVENTORY		62,220
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		420
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		39,770
g. REMAINING DEFICIENCY		58,010
h. GRAND TOTAL		256,080

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
821.22	STEAM PLANT SYSTEM MODERN	LS	420	09/87	03/88
	TOTAL		420		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

610.10	ADMINISTRATIVE OFC MODN	102,000 SF	10,700
610.10	ADMIN MODN(QUAD 3)	LS	13,400
610.10	ADMIN OFFICE MODN	LS	9,170
610.10	ADMIN BLDG 143 MODN	LS	6,500

10. MISSION OR MAJOR FUNCTIONS:

Provide personnel support and logistics for Naval commands in the Washington area, including personnel, administrative, public works, supply, waterfront and harbor services.

Chesapeake Division Naval Facilities Engineering Command
Naval Historical Center
Naval Weapons Engineering Command
Naval Data Automation Command

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 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL OBSERVATORY, WASHINGTON, DISTRICT OF COLUMBIA	NAVAL OCEANOGRAPHY COMMAND	1.04

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	8	0	208	0	0	0	50	23	434	723
b. END FY 1994	9	22	229	0	0	0	55	27	478	820

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(364)	
b. INVENTORY TOTAL AS OF 30 SEP 88		5,480
c. AUTHORIZATION NOT YET IN INVENTORY		980
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		1,100
h. GRAND TOTAL		10,060

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.11	LABORATORY EXPANSION	11,640 SF	2,500	06/88	04/89
	TOTAL		2,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Make observations of natural and artificial celestial bodies, provide accurate time to afford Naval vessels and aircraft a means of safe navigation, and advance the general fields of navigation and astronomy

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL OBSERVATORY, WASHINGTON, DISTRICT OF COLUMBIA	LABORATORY EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0305196N	310.11	P-025	2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LABORATORY EXPANSION	SF	11,640	-	1,890
BUILDING	SF	11,640	137.00	(1,600)
BUILT-IN EQUIPMENT	LS	-	-	(290)
SUPPORTING FACILITIES	-	-	-	370
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(160)
UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT	LS	-	-	(130)
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

Three-story reinforced concrete building addition, pile foundation, concrete floors, built-up roof, vibration free environment, temperature and humidity controls, computer flooring, fire protection system, air conditioning, utilities; asbestos removal.

11. REQUIREMENT: 59,180 SF. ADEQUATE: 47,540 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides additional laboratory facilities. (Current mission.)
REQUIREMENT: Adequate and properly-configured facilities to accommodate an expanded program which will calculate precise time and positioning for current and future weapons systems, communication systems, and platforms. Additional laboratory, computer, and equipment spaces are necessary to support components of the master clock system and measuring and data reduction equipment. Although operational needs require the new laboratory to be physically separated from the present facilities, a three-story corridor will connect the two facilities.
CURRENT SITUATION: No facilities exist to support the expanded program. Personnel and equipment presently occupy inadequate space. Computer equipment is being inefficiently operated in spaces with inadequate environmental controls.
IMPACT IF NOT PROVIDED: Planned increases in the number and sophistication of new equipment will not be accommodated. The Naval Observatory will be unable to support expanded program and mission requirements. Space to accommodate program increases with precise environmental control will not be available. (Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL OBSERVATORY, WASHINGTON, DISTRICT OF COLUMBIA

4. PROJECT TITLE	5. PROJECT NUMBER
LABORATORY EXPANSION	P-025

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 1989..... 95
(c) Date Design 35% Complete..... 11-88
(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): ($00u)

(a) Production of Plans and Specifications.....(115)
(b) All Other Design Costs.....(100)
(c) Total..... 215
(d) Contract.....(190)
(e) In-house.....(25)

(4) Construction start..... 1-90
(month and year)

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

1. COMPONENT	FY 1990 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	3300	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		11,780
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,970
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,010
f. PLANNED IN NEXT THREE PROGRAM YEARS		4,400
g. REMAINING DEFICIENCY		109,420
h. **GRAND TOTAL**		326,240

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE	STATUS
171.20	LIGHT ATTACK WEAPONS SCH	LS	900	04/88	04/89	
211.21	ENGINE MAINTENANCE SHOP	7,710 SF	1,070	01/87	06/88	
	TOTAL		1,970			

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
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		
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 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, CECIL FIELD, FLORIDA	ENGINE MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	211.21	P-252	1,070

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINE MAINTENANCE SHOP	SF	7,710	-	750
ENGINE SHOP	SF	6,180	61.00	(380)
BATTERY SHOP	SF	1,530	72.00	(110)
GROUND SUPPORT EQUIPMENT HOLDING AREA	SY	3,300	18.00	(60)
HANGAR MODIFICATIONS	LS	-	-	(200)
SUPPORTING FACILITEIS	-	-	-	210
UTILITIES	LS	-	-	(80)
PAVING AND SITE IMRPOVEMENT, DEMOLITION	LS	-	-	(130)
SUBTOTAL	-	-	-	960
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	1,010
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	60
TOTAL REQUEST	-	-	-	1,070
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel-frame building addition, concrete spread footings and floors, masonry and metal panel walls, steel roof deck, insulation and built-up roof, mezzanine, high-bay area; one-story masonry building, concrete spread footings, concrete floor, built-up roof; extend bridge crane, upgrade compressed air system, fire protection system, air conditioning and mechanical ventilation, utilities; paved vehicle holding area, security fencing; demolition of one building.

11. REQUIREMENT: 56,360 SF. ADEQUATE: 48,650 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an addition to the aircraft engine maintenance shop, an aircraft battery maintenance shop, and enlarges the ground support equipment (GSE) holding compound. (Current mission.)
REQUIREMENT: Additional engine and battery maintenance shop space to support new workload generated by the introduction of five F/A-18 aircraft squadrons in the late 1980's and the transition of the twelve A-7 aircraft squadrons to F/A-18's which began in 1988. Construction to support the new F/A-18 squadrons began with the FY 1982 Military Construction Program and continued in following years. New facilities completed or under construction include hangars, intermediate maintenance facilities, barracks, supply and training facilities, parking apron and utilities upgrade. Engine and battery maintenance shops were sufficiently sized to accommodate the first arrivals. Modifications since provide limited capabilities for maintenance of the advanced F engine used in the

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, CECIL FIELD, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
ENGINE MAINTENANCE SHOP	P-252

11. REQUIREMENT: (Continued)
F/A-18. However, now that the five new squadrons are on-board and the transition of the squadrons from A-7's to F/A-18's has begun, more engine and battery shop space is required. The F/A-18 has two F-404 engines and two batteries, while the A-7 has only one TF-41 engine and one battery. This results in a doubling of each squadron's engine and battery maintenance requirements. The need for additional GSE holding area is long-standing and compounded by the addition of new equipment assigned to the newly established squadrons. A fenced and controlled area is necessary for security of the equipment.

CURRENT SITUATION: The engine shop provides shops and support spaces for maintenance of A-4, A-7, and S-3 aircraft engines, with limited capacity and support for F/A-18 engines. Maintenance requirements for the older aircraft will continue through the 1990's. Additional shop space is needed for the F/A-18 workload. The small battery shop is not sized to accommodate the additional workload generated by the addition of five squadrons and the doubling of batteries in the transition squadrons. The existing building, built in 1945, has outlived its useful life and cannot be economically upgraded.

IMPACT IF NOT PROVIDED: The aircraft engine and battery maintenence shops will be unable to keep pace with the increasing workload. Processing of these components will backlog at a unacceptable rate and adversely affect the squadrons ability to get ready for carrier deployment. Ground support equipment assigned to the new F/A-18 squadrons will be parked in the already crowded compound or around hangars without security fencing and controls.

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 1989..... 100
- (c) Date Design 35% Complete..... 5-87
- (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

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL AIR STATION, CECIL FIELD, FLORIDA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
ENGINE MAINTENANCE SHOP	P-252

12. SUPPLEMENTAL DATA: (Continued)

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

		($000)
(a)	Production of Plans and Specifications	(50)
(b)	All Other Design Costs	(35)
(c)	Total	85
(d)	Contract	(60)
(e)	In-house	(25)

(4) Construction start ..... 12-89 (month and year)

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

1. COMPONENT	FY 1990 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)

a. TOTAL ACREAGE	TENANT OF NAS	
b. INVENTORY TOTAL AS OF 30 SEP 88		13,770
c. AUTHORIZATION NOT YET IN INVENTORY		18,600
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,080
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		940
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		400
h. **GRAND TOTAL**		35,790

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QUARTERS	25,540 SF	2,080	11/86	10/88
	TOTAL		2,080		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

441.20	MEDICAL WAREHOUSE ADDITION	LS	940	06/89	06/90
	TOTAL		940		

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 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL HOSPITAL, JACKSONVILLE, FLORIDA	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807796N	721.11	P-320	2,080

9. COST ESTIMATES

ITEM	UNIT	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	25,540	64.00	1,630
SUPPORTING FACILITIES	-	-	-	250
UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT	LS	-	-	(160)
SUBTOTAL	-	-	-	1,880
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,970
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	110
TOTAL REQUEST	-	-	-	2,080
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story building, concrete foundation and floors, pre-cast concrete bearing walls and roof, fire protection system, air conditioning, utilities; 32 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment.
Grade mix: 128 E1-E4. Total: 128.

11. REQUIREMENT: 269 PN. ADEQUATE: 0 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for 128 enlisted personnel. (Current mission.)
REQUIREMENT: Adequate housing for 269 enlisted personnel assigned to the hospital as permanent support personnel.
CURRENT SITUATION: There are no adequate berthing spaces on base. Enlisted personnel are being housed in inadequate barracks that cannot be economically upgraded and in the civilian community. A new construction deficiency of 269 adequate billeting spaces exists. After construction of this project, the remaining projected space deficit will be satisfied by a follow-on project currently unprogrammed. All projected space requirements are revalidated annually by a new survey, which updates planning projections.
IMPACT IF NOT PROVIDED: Adequate living quarters for all bachelor enlisted personnel on base will continue to be unavailable, resulting in an increased response time for those personnel who must live off-base and respond to recalls during periods of mass casualty or emergency situations.

(Continued on DD 1391.)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL, JACKSONVILLE, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	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	11-86
(b)	Percent Complete as of January 1989	100
(c)	Date Design 35% Complete	11-87
(d)	Date Design Complete	10-88

(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	(285)
(b)	All Other Design Costs	(15)
(c)	Total	300
(d)	Contract	(15)
(e)	In-house	(285)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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		18,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		19,350
f. PLANNED IN NEXT THREE PROGRAM YEARS		22,620
g. REMAINING DEFICIENCY		36,670
h. GRAND TOTAL		314,620

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	ELECTRONIC TECHNICIAN SCH	151,550 SF	14,190	08/88	11/89
179.45	FF TRAINING FACS	17,780 SF	4,210	08/87	11/88
	TOTAL		18,400		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
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		
B. MAJOR PLANNED NEXT THREE YEARS:					
740.74	CHILD CARE CENTER	7,250 SF	5,300		
721.14	BARRACKS	720 PN	11,240		

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, ORLANDO, FLORIDA	ELECTRONIC TECHNICIAN SCHOOL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.20	P-482	14,190

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONIC TECHNICIAN SCHOOL	SF	151,550	-	12,340
BUILDING ACADEMIC SPACE	SF	102,250	70.00	(7,160)
ELECTRONICS LABORATORY SPACE	SF	49,300	105.00	(5,180)
SUPPORTING FACILITIES	-	-	-	470
UTILITIES	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT	LS	-	-	(330)
SUBTOTAL	-	-		12,810
CONTINGENCY (5%)	-	-	-	640
TOTAL CONTRACT COST	-	-	-	13,450
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	740
TOTAL REQUEST	-	-	-	14,190
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 with brick facing, roof capable of supporting electrical equipment, fire protection system, air conditioning and mechanical ventilation, utilities; classrooms, laboratories; relocate playing field.

11. REQUIREMENT: 151,550 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an applied instruction building. (New mission.)
REQUIREMENT: Adequate and properly-configured facilities to accommodate the Electronics Technician "A" School at Orlando. Space for classrooms, electronics laboratories, technical library, instructor spaces, and other support spaces are necessary. This school will support five courses. Eighty-two classes will be convened each year with an average on-board population of greater than 2,300 students. The return of all basic electricity and electronics training to the Electronics Technician "A" School has expanded the curriculum. Also supporting the curriculum is the growing amount of electronics in combat systems used in the fleet.
CURRENT SITUATION: Phase I of this training will be established in existing facilities at Orlando. Facilities for Phase II will be provided by this project. With the establishment of Phases I and II at Orlando, electronics technician training at Great Lakes will be disestablished and single-sited at Orlando. Single-siting this training will result in an annual cost

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL TRAINING CENTER, ORLANDO, FLORIDA	
4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONIC TECHNICIAN SCHOOL	P-482

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
avoidance of over $9.5 million in expenditures for permanent change of station moves for trainees.
IMPACT IF NOT PROVIDED: Phase II cannot be implemented at Orlando, severely degrading the efficiency of having a single site training program for electronics technicians. Cost avoidance of $9.5 million annually for trainee moves 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	8-88
(b)	Percent Complete as of January 1989	35
(c)	Date Design 35% Complete	11-88
(d)	Date Design Complete	11-89

(2) Basis:

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

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

		($000)
(a)	Production of Plans and Specifications	(620)
(b)	All Other Design Costs	(170)
(c)	Total	790
(d)	Contract	(680)
(e)	In-house	(110)

(4) Construction start: 2-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, ORLANDO, FLORIDA	FIRE FIGHTING TRAINING FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	179.45	P-177	4,210

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINING FACILITIES.	SF	17,780	-	3,350
TRAINING FACILITY.	SF	13,280	150.00	(1,990)
GAS MASK TRAINING FACILITY	SF	1,300	85.00	(110)
UTILITY SUPPORT BUILDING	SF	3,200	150.00	(480)
BUILT-IN EQUIPMENT	LS	-	-	(650)
TECHNICAL OPERATING MANUALS.	LS	-	-	(120)
SUPPORTING FACILITIES.	-	-	-	450
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(120)
SUBTOTAL	-	-	-	3,800
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST.	-	-	-	3,990
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	220
TOTAL REQUEST.	-	-	-	4,210
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(1,700)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three one-story reinforced concrete frame and masonry buildings, concrete foundations and floors, built-up roofs; training facility will have reinforced concrete walls with metal grating over crawl space, fire protection system, air conditioning, utilities; pollution abatement in training facility; 12,000-gallon fuel storage tank, two 125,000-gallon steel water storage tanks, two 125,000-gallon wastewater treatment storage tanks, one 18,000 gallon-steel propane storage tank, burning devices.

11. REQUIREMENT: 17,780 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a fire fighting training facility at the Recruit Training Command for classroom instruction and realistic hands-on training in the control and extinguishment of shipboard fires. (Current mission.)
REQUIREMENT: Adequate facilities to permit all recruits to participate in fire fighting training prior to reporting to their first duty station. The proposed facility will be environmentally clean and offer a high degree of realism. A shipboard fire probably represents the greatest threat to a ship. Prompt, effective action is essential to limit the spread of fires.
CURRENT SITUATION: The present fire fighting trainer is an open area, with open pit burning of oil. These fires are dirty, unsightly, and require lengthy clean-up between exercises. They offer a low degree of realism and cannot provide the requisite variety of fires which may be encountered.
IMPACT IF NOT PROVIDED: Recruits will be assigned to sea duty without realistic hands-on training, posing a serious deficiency to the fleet.
(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, ORLANDO, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTING TRAINING FACILITIES	P-177

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	8-87
(b) Percent Complete as of January 1989	100
(c) Date Design 35% Complete	1-88
(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	(175)
(b) All Other Design Costs	(60)
(c) Total	235
(d) Contract	(200)
(e) In-house	(35)

(4) Construction start: 12-89 (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)
Recruit Fire Fighting Trainer	OPN	1988	1,700

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL DIVING AND SALVAGE TRAINING CENTER, PANAMA CITY, 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	32	188	8	76	164	0	0	0	0	469
b. END FY 1994	30	182	8	65	396	0	0	0	0	681

7. INVENTORY DATA ($000)

	TENANT OF NCSC
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	2,850
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	5,000
h. GRAND TOTAL	12,150

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	DIVER TRNG BLDG ADDN	34,500 SF	4,300	03/88	06/89
	TOTAL		4,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Train officer and enlisted personnel in diving, ship salvage, and submarine rescue.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL DIVING AND SALVAGE TRAINING CENTER, PANAMA CITY, FLORDIA	DIVER TRAINING BUILDING ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804731N	171.20	P-314	4,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DIVER TRAINING BUILDING ADDITION	SF	34,500	-	3,010
BUILDING ADDITION	SF	32,000	83.00	(2,660)
BUILDING MODIFICATION	SF	2,500	72.00	(180)
BUILT-IN EQUIPMENT	LS	-	-	(60)
TECHNICAL OPERATING MANUALS	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	880
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(660)
ELECTRICAL UTILITIES	LS	-	-	(70)
MECHANICAL UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT	LS	-	-	(90)
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

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

11. REQUIREMENT: 56,440 SF. ADEQUATE: 21,940 SF. SUBSTANDARD: (2,500) SF.
PROJECT: Provides an addition to the diver training building to support an increased training load. (Current mission.)
REQUIREMENT: Adequate training facilities to accommodate the growing demand for qualified divers in the fleet. Additional space is necessary for classrooms, laboratory, training support, medical space, and diving gear repair space. Diving is rigorous and demanding work and potentially dangerous. Physical training is an essential element of diver training. Excellent physical condition is mandatory to meet the hazards which could occur at any time. To prepare divers to cope with the physical demands placed on them, stringent physical training is necessary for all personnel, instructors, and students alike.
CURRENT SITUATION: The existing facility was designed to accommodate 237 students and is currently accommodating 435 with a projected loading of 724 personnel. Since the existing classrooms are already overcrowded, some classes will have to share classrooms.
IMPACT IF NOT PROVIDED: The quality of training will be adversely affected, resulting in less proficient divers being sent to fleet activities for duty. Because the demand for divers has increased so

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL DIVING AND SALVAGE TRAINING CENTER, PANAMA CITY, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
DIVER TRAINING BUILDING ADDITION	P-314

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
rapidly, the existing facilities are incapable of meeting the fleet 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..... 3-88
- (b) Percent Complete as of January 1989..... 50
- (c) Date Design 35% Complete..... 10-88
- (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..... (195)
- (b) All Other Design Costs..... (65)
- (c) Total..... 260
- (d) Contract..... (25)
- (e) In-house..... (235)

(4) Construction start..... 12-89 (month and year)

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

S/N 0107-LF-001-3915

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVY EXPERIMENTAL DIVING UNIT, PANAMA CITY, FLORIDA	NAVAL SEA 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	14	62	35	0	0	0	1	5	0	117
b. END FY 1994	14	62	39	0	0	0	1	5	0	121

7. INVENTORY DATA ($000)

	TENANT OF NCSC
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	2,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	2,900

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
320.20	UNDERWTR EQUIP SPT COMPLEX	19,370 SF	2,900	03/88	06/89
	TOTAL		2,900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM:
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Train officer and enlisted personnel in diving, ship salvage, and submarine rescue.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL EXPERIMENTAL DIVING UNIT, PANAMA CITY, FLORIDA	UNDERWATER EQUIPMENT SUPPORT COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605096N	320.20	P-347	2,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNDERWATER EQUIPMENT SUPPORT COMPLEX	SF	19,370	-	2,100
BUILDING ADDITION.	SF	19,370	90.00	(1,740)
BUILT-IN EQUIPMENT	LS	-	-	(360)
SUPPORTING FACILITIES.	-	-	-	520
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(300)
UTILITIES.	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(150)
SUBTOTAL	-	-	-	2,620
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,750
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	150
TOTAL REQUEST.	-	-	-	2,900
EQUIPMENT PROVIDED FROM OTHER APPPOPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame building addition, masonry walls with brick facing, pile foundation, reinforced concrete floors, built-up roof on reinforced concrete decking, compressed air system, security lighting, fire protection sprinkler system, air conditioning, utilities.

11. REQUIREMENT: 54,450 SF. ADEQUATE: 35,080 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides laboratory for research, development, test, and evaluation (RDT&E) of diving and hyperbaric systems. (Current mission.)
REQUIREMENT: Adequate and properly-configured facilities to accommodate laboratory workspace and storage areas for RDT&E involving diving and hyperbaric operations supporting the fleet and other DOD agencies. This unit has been assigned as the technical support agent for RDT&E for all Navy diving and hyperbaric systems, components, diving practices and procedures to determine safety, operational suitability and limits, and conformance to established standards. Manned and unmanned RDT&E efforts are performed in the Ocean Simulation Facility (OSF), the world's largest hyperbaric complex, and in the Experimental Diving Facility (EDF), with three unmanned hyperbaric chambers for diving equipment and hardware.
CURRENT SITUATION: Since relocating to Panama City in 1975, this unit has experienced significant growth in mission expansion, equipment assets, and personnel. The number of permanent employees has grown from 14 to 28 with a proposed increase to 35 in the near future to help support everyday and urgent classified priority programs. There are RDT&E equipment items
(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL EXPERIMENTAL DIVING UNIT, PANAMA CITY, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
UNDERWATER EQUIPMENT SUPPORT COMPLEX	P-347

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
which need environmentally-controlled storage facilities, that do not exist today. Expanded missions have increased services provided such as on-site assistance to fleet diving commands worldwide to include on-scene inspection of shipboard diving systems during pre-overhaul test and inspection, diving and hyperbaric system design safety reviews, overhaul of diving systems, construction of hyperbaric recompression chambers, and medical evaluation of the adequacy of divers' life support systems. As a result of this increased workload and equipment inventories, facility workspace has remained unchanged and lacks adequate storage for spare parts, project materials, and equipment. This also makes scheduling and efficiency of daily operations more difficult, delaying project completion dates for fleet requirements.
IMPACT IF NOT PROVIDED: Inability to meet specific life-critical fleet testing of diver and combat swimmer support equipment. Continue to perform mission tasking in overcrowded, less efficient, and inadequate spaces. Continuing delays in services provided for fleet readiness and sustainability, as well as completing classified projects.

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 1989	50
(c) Date Design 35% Complete	10-88
(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	(140)
(b) All Other Design Costs	(35)
(c) Total	175
(d) Contract	(15)
(e) In-house	(160)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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		2,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,440
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,100
g. REMAINING DEFICIENCY		18,850
h. GRAND TOTAL		93,640

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
832.10	WASTEWATER TRANSFER SYSTEM	LS	2,100	03/88	09/89
	TOTAL		2,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
842.10	WTR & SEWER PIPELINES SEP	LS	3,440	04/89	05/90
	TOTAL		3,440		
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 19_90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER, PENSACOLA, FLORIDA	WASTEWATER TRANSFER SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	832.10	P-109	2,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WASTEWATER TRANSFER SYSTEM	LS	-	-	1,890
FORCE MAIN	LF	8,320	73.00	(610)
FORCE MAIN CONVERSION	LF	11,500	36.00	(410)
GRAVITY LINE	LF	5,650	76.00	(430)
PUMP STATION	LS	-	-	(380)
PUMP STATION ALTERATIONS	LS	-	-	(60)
SUBTOTAL	-	-	-	1,890
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST	-	-	-	1,990
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	110
TOTAL REQUEST	-	-	-	2,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Install two 12-inch and one 15-inch gravity wastewater lines to new pump station; install force main to water main, install new force main; construct reinforced concrete pump station, install new pumps and pressure switch; manholes, converted lines encased in concrete.

11. REQUIREMENT: As Required.

PROJECT: Converts portions of an unused potable water line to a raw wastewater transfer line, installs new raw wastewater transfer mains, and constructs a wastewater pumping station. (Current mission.)

REQUIREMENT: An adequate and economical method of transferring and treating wastewater generated at Corry Station, located about three miles north of the Naval Air Station (NAS). Conversion of portions of an unused potable water line between Corry Station and the NAS will allow wastewater to be transferred to the Navy treatment plant at the NAS. The domestic wastewater flow from Corry Station will, in fact, benefit operation of the Navy treatment plant whose present flow is predominantly industrial wastewater. The combined flow would increase the amount of suspended solids and therefore be more balanced and amenable to treatment. A proposed Navy treatment facility at Corry Station was disapproved by the Florida Department of Environmental Regulation.

CURRENT SITUATION: The raw wastewater from Corry Station is presently being treated at the Warrington Treatment Plant operated by the Escambia County Utilities District. However, this plant is in violation of its

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVY PUBLIC WORKS CENTER, PENSACOLA, FLORIDA	
4. PROJECT TITLE	5. PROJECT NUMBER
WASTEWATER TRANSFER SYSTEM	P-109

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
state operating permit and a moratorium is in effect on accepting additional flow. The utility commission has tentative plans to close the Warrington Plant after replacing it with a pumping station to transport the wastewater to the large municipal treatment plant in Pensacola. This would result in a contract rate increase for treating the domestic wastewater from Corry Station. The Navy treatment plant at Pensacola has a design capacity of 4 million gallons per day, but is presently only receiving 2.25 million gallons per day, including industrial wastewater flow from the Naval Aviation Depot. There is no existing wastewater main between Corry Station and the NAS.
IMPACT IF NOT PROVIDED: The cost for treatment of the Corry Station wastewater will be approximately $586,000 per year, if operations at the Warrington Plant are closed down. The moratorium on the Warrington Plant impacts on facilities essential to the mission of Corry Station.
ADDITIONAL: An economic analysis has been prepared and indicates a payback of 12 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	3-88
(b)	Percent Complete as of January 1989	45
(c)	Date Design 35% Complete	10-88
(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	(90)
(b)	All Other Design Costs	(30)
(c)	Total	120
(d)	Contract	(30)
(e)	In-house	(90)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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		1,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		5,850
f. PLANNED IN NEXT THREE PROGRAM YEARS		5,680
g. REMAINING DEFICIENCY		2,950
h. GRAND TOTAL		110,210

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	STATUS COMPLETE
214.10	COMBAT VEHICLE MAINT SHOP	9,360 SF	1,300	05/87	12/88
	TOTAL		1,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
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		
B. MAJOR PLANNED NEXT THREE YEARS:					
213.59	ABRASIVE BLAST FACILITY	19,600 SF	4,350		
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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA	COMBAT VEHICLE MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896M	214.10	P-245	1,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT VEHICLE MAINTENANCE SHOP.	SF	9,360	-	910
BUILDING	SF	9,360	80.00	(750)
BUILT-IN EQUIPMENT	LS	-	-	(160)
SUPPORTING FACILITIES.	-	-	-	260
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(260)
SUBTOTAL	-	-	-	1,170
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,230
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry load-bearing wall building, concrete foundation and floor, cast-in-place concrete roof; building for four dynamometers each with special foundation, monorail, hoists, electrical and hydraulic control system, special acoustical treatment, special exhaust and ventilation system; fire protection system; air conditioning, utilities.

11. REQUIREMENT: 9,360 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides an efficient facility to increase productivity and eliminate occupational safety and health (OSH) deficiencies related to excessive noise, heat, and fire safety violations. (Current mission.)
REQUIREMENT: Adequate and properly-configured facility to house new equipment and eliminate OSH deficiencies associated with engine repair and maintenance. Rebuild specifications require all engines and transmissions be tested on dynamometers for proper performance before being installed in combat vehicles. Dynamometer tests generate tremendous amounts of heat and dangerous noise levels for extended periods.
CURRENT SITUATION: Since the existing facilities were built in the 1950's, engines have increased in power, have more complex electrical and electronic ignition systems, and more sensitive fuel injection systems, rendering the old facilities and test equipment inadequate. The daily noise exposure level, insufficient air flow to remove exhaust fumes, and high temperatures in engine test cells create unsafe working conditions.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
COMBAT VEHICLE MAINTENANCE SHOP	P-245

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Reduced equipment readiness in the Fleet Marine Force because of continued productivity losses as a result of hearing loss, heat exhaustion, exhaust fume exposure, and the risk of fire.

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 1989	100
(c)	Date Design 35% Complete	3-88
(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	(40)
(b)	All Other Design Costs	(40)
(c)	Total	80
(d)	Contract	(55)
(e)	In-house	(25)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SUPPLY CORPS SCHOOL, ATHENS, GEORGIA	CHIEF OF NAVAL EDUCATION AND TRAINING	.89

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	67	66	135	270	29	0	16	0	0	583
b. END FY 1994	65	61	124	310	48	0	16	0	0	624

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(58)	
b. INVENTORY TOTAL AS OF 30 SEP 88		10,360
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		2,200
h. **GRAND TOTAL**		13,560

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.74	CHILD CARE CENTER	LS	1,000	-	-
	TOTAL		1,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide students with such instructions in the duties of Supply Corps officers ashore and afloat as to qulify them to perform with credit to themselves, the Corps and 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

DD FORM 1390
1DEC76

1. COMPONENT	FY 1990 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		58,910
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		69,120
f. PLANNED IN NEXT THREE PROGRAM YEARS		19,990
g. REMAINING DEFICIENCY		40,330
h. GRAND TOTAL		1,413,480

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.20	ORDNANCE OPERATIONS	27,000 SF	5,330	05/88	09/89
151.80	MAGNETIC SILENCING FAC	700 FB	18,020	06/88	09/89
165.10	DREDGING DIKES	LS	6,870	04/88	06/89
421.72	STRATEGIC WEAPONS MAGS	28,100 SF	7,600	04/88	06/89
721.11	BACHELOR ENLISTED QUARTERS	170,400 SF	13,600	09/87	09/89
932.10	COMMUNITY IMPACT ASST	LS	3,770	N/A	N/A
932.20	UTILS & SITE IMPROVEMENTS	LS	3,720	06/88	09/89
	TOTAL		58,910		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM				
152.10	EXPLOSIVES HNDLG WHARF	11,210 SY	56,400	01/89	08/90
171.20	TRIDENT TRAINING FAC ADDN	31,700 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		
	B. MAJOR PLANNED NEXT THREE YEARS:				
219.77	PW STOR AREA ADDN	4,800 SF	510		

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 1990 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-255	13,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	170,400	-	11,440
QUARTERS BUILDINGS	SF	164,200	67.00	(11,040)
CORE BUILDING	SF	6,200	65.00	(400)
SUPPORTING FACILITIES	-	-	-	840
UTILITIES	LS	-	-	(560)
PAVING AND SITE IMPROVEMENT	LS	-	-	(280)
SUBTOTAL	-	-	-	12,280
CONTINGENCY (5%)	-	-	-	610
TOTAL CONTRACT COST	-	-	-	12,890
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	710
TOTAL REQUEST	-	-	-	13,600
EQUIPMENT REQUESTED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three three-story steel-frame buildings, concrete foundations and floors, masonry walls, composition roof, fire protection system, air conditioning, utilities; 216 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; one-story steel frame core building.
Grade mix: 412 E1-E4, 202 E5-E6, 12 E7-E9. Total: 626.

11. REQUIREMENT: 2,256 PN. ADEQUATE: 1,172 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for 626 bachelor enlisted personnel. (New mission.)
REQUIREMENT: Adequate housing for bachelor enlisted personnel in grades E1-E9. This is the seventh 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 FY 1989. This 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 to house 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 90 MILITARY CONSTRUCTION PROJECT DATA	3. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	
4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-255

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 1989	50
(c)	Date Design 35% Complete	10-88
(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	(340)
(b)	All Other Design Costs	(50)
(c)	Total	390
(d)	Contract	(50)
(e)	In-house	(340)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	COMMUNITY IMPACT ASSISTANCE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	932.10	P-905	3,770

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNITY IMPACT ASSISTANCE	LS	-	-	3,600
COMMUNITY IMPACT AID.	LS	-	-	(3,350)
COMMUNITY IMPACT PLANNING ASSISTANCE. . . .	LS	-	-	(250)
TOTAL CONTRACT COST	-	-	-	3,600
SUPERVISION, INSPECTION & OVERHEAD.	-	-	-	170
TOTAL REQUEST	-	-	-	3,770
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction of permanent public buildings and utility systems, and acquisition of vehicles and equipment for public services to the counties and municipalities of Camden County, GA; St Marys, GA; Kingsland, GA; Woodbine, GA; Nassau County, FL; Fernandina Beach, FL; and the school district of Camden County, GA; planning assistance to all local counties and municipalities.

11. REQUIREMENT: As Required.

Section 801 of the FY 1981 Military Construction Authorization Act, as amended by Section 904(a) of the FY 1982 Military Construction Authorization Act, authorized DOD funding to provide planning assistance to the communities impacted by the location of the Kings Bay TRIDENT Submarine Base. Section 802 of the FY 1981 Military Construction Authorization Act, as amended by Section 904(b) of the FY 1982 Military Construction Authorization Act, authorizes DOD funding for public facilities and services required by the population growth directly related to the Kings Bay TRIDENT Submarine Base. A total Navy-related population of 22,000 is projected to move into the Kings Bay region by 1998. Prior year programs have included $41.182 million for community impact assistance for the Kings Bay region. (New mission.)

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	
4. PROJECT TITLE	5. PROJECT NUMBER
COMMUNITY IMPACT ASSISTANCE	P-905

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..... N/A
(b) Percent Complete as of January 1989..... N/A
(c) Date Design 35% Complete..... N/A
(d) Date Design Complete..... N/A

(2) Basis:

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

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

(a) Production of Plans and Specifications..... (N/A)
(b) All Other Design Costs..... (N/A)
(c) Total..... N/A
(d) Contract..... (N/A)
(e) In-house..... (N/A)

(4) Construction start..... N/A
(month and year)

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

1. COMPONENT	FY 19_90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	DREDGING DIKES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	165.10	P-437	6,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DREDGING DIKES	LS	-	-	6,200
SUBTOTAL	-	-	-	6,200
CONTINGENCY (5%)	-	-	-	310
TOTAL CONTRACT COST	-	-	-	6,510
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	360
TOTAL REQUEST	-	-	-	6,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Containment dikes, dewatering weirs and outflow structures at landside disposal areas; operational basin siltation controls; construction dredging for spoils management or other mitigation measures.

11. REQUIREMENT: As Required.
PROJECT: Provides landside dredge spoils disposal areas and siltation control measures. (New mission.)
REQUIREMENT: An economic means of disposal of dredge spoils resulting from on-going and future dredging activities to achieve and ensure operational depths are available for OHIO class submarines.
CURRENT SITUATION: This project is an increment and a continuation of the multi-year Kings Bay dredging program. Project provides most cost-effective means of controlling and reducing the amount of waterfront operational basin siltation and provides for landside disposal to accommodate maintenance dredge spoils.
IMPACT IF NOT PROVIDED: Presence of increased maintenance dredging equipment and the rapid accumulation of silt will compromise the refit, repair, and maintenance schedules of OHIO class submarines.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	
4. PROJECT TITLE	5. PROJECT NUMBER
DREDGING DIKES	P-437

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 1989	35
(c) Date Design 35% Complete	10-88
(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	(80)
(b) All Other Design Costs	(45)
(c) Total	125
(d) Contract	(110)
(e) In-house	(15)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	MAGNETIC SILENCING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	151.80	P-169	18,020

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAGNETIC SILENCING FACILITY.	FB	700	-	11,690
MAGNETIC TREATMENT SLIP AND TRESTLE. . . .	FB	700	11,500	(8,050)
OPERATIONS BUILDING.	SF	7,700	74.00	(570)
TREATMENT ARRAY.	LS	-	-	(2,390)
SENSOR ARRAY	LS	-	-	(580)
ASSEMBLY AND STORAGE AREA.	LS	-	-	(100)
SUPPORTING FACILITIES.	-	-	-	4,580
UTILITIES.	LS	-	-	(2,710)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,870)
SUBTOTAL	-	-	-	16,270
CONTINGENCY (5%)	-	-	-	810
TOTAL CONTRACT COST.	-	-	-	17,080
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	940
TOTAL REQUEST.	-	-	-	18,020
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	(NON-ADD)	-	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

700-feet long treatment slip, 1060-feet long trestle, pile foundations, non-magnetic construction, power cables, magnetometer tube array; two rows of sensors; two-story reinforced concrete and masonry building, non-magnetic construction, concrete foundations and floors, built-up roof, utilities, air conditioning, fire protection and security systems; two one-story masonry support buildings; electrical substation, roads and paving, fencing, lighting; berthing support system; dredging.

11. REQUIREMENT: 700 FB. ADEQUATE: 0 FB. SUBSTANDARD: 0 FB.

PROJECT: Provides a magnetic silencing facility consisting of a magnetic treatment slip, magnetic range sensors, access trestle, an operations building, and support facilities. (New mission.)

REQUIREMENT: Adequate magnetic ranging and magnetic treatment to reduce the magnetic signature of the OHIO class submarine.

CURRENT SITUATION: A magnetic silencing facility capable of supporting the OHIO class submarine does not exist on the east coast.

IMPACT IF NOT PROVIDED: The Kings Bay submarine base would be incapable of providing magnetic silencing for the OHIO class submarines, resulting in a decrease in the operational capabilities and increased vulnerability to detection. Patrol time would be compromised because of the need to reduce the magnetic signature of the TRIDENT submarines at locations other than the east coast.

(Continued on DD 1391c)

S/N 0102 LF 001 3010

1. COMPONENT	FY 19^{90}___MILITARY CONSTRUCTION PROJECT DATA	2 DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
MAGNETIC SILENCING FACILITY	P-169

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 1989	50
(c)	Date Design 35% Complete	10-88
(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	(750)
(b)	All Other Design Costs	(155)
(c)	Total	905
(d)	Contract	(790)
(e)	In-house	(115)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	ORDNANCE OPERATIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	143.20	P-436	5,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ORDNANCE OPERATIONS	SF	27,000	-	3,440
WATERFRONT ORDNANCE OPERATIONS FACILITY	SF	12,500	84.00	(1,050)
WATERFRONT SUPPORT FACILITY	SF	8,000	70.00	(560)
OPERATIONS ADMINISTRATION FACILITY	SF	6,500	92.00	(600)
SMALL CRAFT BERTHING	LS	-	-	(800)
BUILT-IN EQUIPMENT	LS	-	-	(430)
SUPPORTING FACILITIES	-	-	-	1,370
UTILITIES	LS	-	-	(410)
PAVING AND SITE IMPROVEMENT	LS	-	-	(960)
SUBTOTAL	-	-	-	4,810
CONTINGENCY. (5%)	-	-	-	240
TOTAL CONTRACT COST	-	-	-	5,050
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	280
TOTAL REQUEST	-	-	-	5,330
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two one-story steel frame and metal panel buildings; pile-supported concrete pier with cranes and brow access to small boat and marine floating pier; one-story reinforced concrete frame and masonry building; fire protection and security systems, security fencing and lighting, paving for parking and equipment staging, air conditioning, utilities.

11. REQUIREMENT: 27,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides facilities for operational craft, specialty marine systems, and administrative functions to support the mission of the Explosive Ordnance Disposal Mobile Unit (EODMU). (New mission.)
REQUIREMENT: Adequate facilities to support EODMU operations scheduled for activation during 1990 at Kings Bay. Unit will have 71 officers and enlisted personnel assigned.
CURRENT SITUATION: No facilities exist on base that can provide the required space for operational, maintenance, and administrative functions to support the EODMU.
IMPACT IF NOT PROVIDED: Marine ordnance operations critical to the EODMU security missions cannot be performed.

(Continued on DD 1391c)

1. COMPONENT	FY 19[90] MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
ORDNANCE OPERATIONS	P-436

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 1989	35
(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	(240)
(b) All Other Design Costs	(35)
(c) Total	275
(d) Contract	(35)
(e) In-house	(240)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	STRATEGIC WEAPONS MAGAZINES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	421.72	P-267	7,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STRATEGIC WEAPONS MAGAZINES.	SF	28,100	-	4,630
MISSILE MOTOR MAGAZINES.	SF	28,100	143.00	(4,030)
ENVIRONMENTALLY-CONTROLLED AIR	LS	-	-	(600)
SUPPORTING FACILITIES.	-	-	-	2,230
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(440)
UTILITIES.	LS	-	-	(500)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,290)
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

Nine earth-covered reinforced concrete arch-type missile motor storage magazines, aprons, security system, environmentally-controlled air, fire protection system, utilities; access roads.

11. REQUIREMENT: 218,720 SF. ADEQUATE: 190,620 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides missile and missile motor storage magazines. (Current mission.)
REQUIREMENT: Adequate storage for missiles and missile motors under strict environmental conditions of tightly controlled humidity and temperature. Special weapons floor surface for air pallet operations.
CURRENT SITUATION: This is the fifth and final increment of strategic weapons magazines at Kings Bay, which continues the orderly build-up of storage facilities for missiles and missile motors.
IMPACT IF NOT PROVIDED: The Strategic Weapons Facility, Atlantic, will not have sufficient high-explosive storage for TRIDENT missiles and related components. There is no other facility on the East Coast capable of handling TRIDENT II missile outloads and offloads.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
STRATEGIC WEAPONS MAGAZINES	P-267

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 1989	35
(c)	Date Design 35% Complete	9-88
(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	(100)
(b)	All Other Design Costs	(35)
(c)	Total	135
(d)	Contract	(15)
(e)	In-house	(120)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	UTILITIES AND SITE IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	932.20	P-228	3,720

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITIES AND SITE IMPROVEMENTS.	LS	-	-	3,360
SUBTOTAL	-	-	-	3,360
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST.	-	-	-	3,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	190
TOTAL REQUEST.	-	-	-	3,720
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Roads, utilities, and site improvements including drainage upgrade; security fencing.

11. REQUIREMENT: As Required.

PROJECT: Provides roads, utility services, site improvements, and security fencing. (Current mission.)

REQUIREMENT: Adequate utility services and site improvements to support buildings and structures programmed for development of the East Coast TRIDENT Submarine Base. Completes construction of basic utility, road infrastructure and site improvements, critical to the continued orderly development of Kings Bay in the most economical manner possible.

CURRENT SITUATION: Utilities and site improvements have been authorized in prior years to support the TRIDENT construction program. This is the final planned increment of roads, utilities, and site improvements required to support other programmed facilities.

IMPACT IF NOT PROVIDED: Road access, utility services, and site improvements will not be completed as needed to support planned occupancy and operations of new facilities.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
UTILITIES AND SITE IMPROVEMENTS	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	6-88
(b) Percent Complete as of January 1989	35
(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	(190)
(b) All Other Design Costs	(210)
(c) Total	400
(d) Contract	(350)
(e) In-house	(50)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	COMMANDANT OF THE MARINE CORPS	1.44

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	77	544	370	0	0	0	851	9320	1819	12981
b. END FY 1994	77	544	370	0	0	0	785	8844	1819	12439

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(33,818)	
b. INVENTORY TOTAL AS OF 30 SEP 88		190,960
c. AUTHORIZATION NOT YET IN INVENTORY		78,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		13,150
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		64,700
g. REMAINING DEFICIENCY		198,960
h. GRAND TOTAL		546,390

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.15	SPEC COMPART INFO FAC	16,380 SF	5,200	06/87	09/88
211.06	MAINTENANCE HANGARS MODS	LS	7,950	06/86	06/88
	TOTAL		13,150		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

113.40	AIRFIELD PVMNT IMPV PH IV	LS	11,000
116.15	AIRCRAFT RINSE FACILITY	920 SY	1,510
211.21	A/C ENGINE MAINT SHOP	31,000 SF	5,100
722.10	MESS HALL	42,800 SF	12,100
740.74	CHILD CARE CENTER	LS	3,700

10. MISSION OR MAJOR FUNCTIONS:
Maintain and operate facilities and provide services and material to support operations of a Marine Brigade, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps.

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

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	5,270
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	MAINTENANCE HANGARS MODIFICATIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	211.06	P-404	7,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGARS MODIFICATIONS.	LS	-	-	6,400
BUILDINGS MODIFICATIONS.	LS	-	-	(5,300)
BUILT-IN EQUIPMENT	LS	-	-	(1,100)
SUPPORTING FACILITIES.	-	-	-	770
ELECTRICAL UTILITIES	LS	-	-	(470)
MECHANICAL UTILITIES	LS	-	-	(300)
SUBTOTAL	-	-	-	7,170
CONTINGENCY (5%)	-	-	-	360
TOTAL CONTRACT COST.	-	-	-	7,530
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	420
TOTAL REQUEST.	-	-	-	7,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

M[illegible]cations to five hangar buildings including two-story reinforced co[illegible]te frame structures with masonry walls, relocation of compressed air sys[illegible], install bridge cranes, fire protection systems, air conditioning, uti[illegible]es upgrade.

11. REQUIREMENT: As Required.

PROJECT: Modifications to five hangars reconfiguring existing hangar spaces to provide both administrative and maintenance shop spaces for Marine Aircraft Group-24 (MAG-24). (Current mission.)

REQUIREMENT: Adequate spaces to support first and second levels of maintenance and administrative functions for five medium helicopter (HMM) squadrons, one heavy helicopter (HMH) squadron, three fixed wing (VMFA) squadrons, one headquarters and maintenance squadron (H&MS), one station operations and maintenance squadron (SOMS), and the supply function for MAG-24, having a combined total of 80 helicopters and 40 fixed wing aircraft worth over one billion dollars.

CURRENT SITUATION: The deficiency in squadron administrative spaces causes overcrowding of personnel and office equipment and results in decreased productivity. Insufficient shop spaces also contribute to decreased productivity because of overcrowded working conditions and the inability to secure parts and equipment. Presently, shops with different functions are sharing the same space, limiting storage and requiring parts and equipment to be stored on the hangar deck without security and control, creating

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
MAINTENANCE HANGARS MODIFICATIONS	P-404

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
operational problems. This situation will get worse when the F/A-18's arrive in 1989, increasing the number of fixed wing aircraft from 12 to 16 per squadron and raising the total number of fixed winged aircraft from 40 to 52.
IMPACT IF NOT PROVIDED: Activity will not be able to maintain all assigned aircraft. Work space will become more crowded as the larger F/A-18 squadrons replace the F-4 squadrons. The MAG-24 will not be able to support its western pacific deployment schedule. A decreased overall performance in the administrative and maintenance functions will cause a severe impact to operational readiness and mission capability of the squadrons.

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 1989..... 100
- (c) Date Design 35% Complete..... 9-86
- (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..... (375)
- (b) All Other Design Costs..... (320)
- (c) Total..... 695
- (d) Contract..... (615)
- (e) In-house..... (80)

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

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	SPECIALIZED COMPARTMENTED INFORMATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	131.15	P-618	5,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SPECIALIZED COMPARTMENTED INFORMATION FAC. .	SF	16,380	-	4,000
BUILDING	SF	16,380	154.00	(2,530)
BUILT-IN EQUIPMENT	LS	-	-	(1,470)
SUPPORTING FACILITIES.	-	-	-	700
ELECTRICAL UTILITIES	LS	-	-	(230)
MECHANICAL UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(360)
SUBTOTAL	-	-	-	4,700
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,930
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	270
TOTAL REQUEST.	-	-	-	5,200
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, thermal and sound insulation throughout; computer flooring, emergency generator, security vaults; communication center, classrooms; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 16,380 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a secure facility for Specialized Compartmented Information (SCI) operations, training, and storage of SCI documents and equipment. (Current mission.)

REQUIREMENT: Adequate and properly configured facility to control access and egress and with special design characteristics to eliminate audio, electronic and optical penetration by unauthorized personnel. The First Radio Battalion needs the operational spaces to handle, on a daily basis, highly classified, compartmented information and equipment for the First Marine Expeditionary Brigade (MEB).

CURRENT SITUATION: The existing facility has only 42% of the necessary space for mission requirement. These facilities were originally designed as a barracks and do not offer the necessary level of security to conduct SCI operations, planning, or training. The mission elementr are conducted in borrowed work spaces having the appropriate security rating. The 40 safes which store the cryptographic equipment are currently at capacity and will not be able to store the additional equipment scheduled to arrive in 1990. There is no available facility at this activity which can accommodate all the specific intelligence needs of this unit.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
SPECIALIZED COMPARTMENTED INFORMATION FACILITY	P-618

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The current space deficiency will get worse with the scheduled arrival of additional communication cryptographic equipment. Continued operations in the present facilities is in violation of defense directives. Without SCI capability First MEB will not be able to exchange highly classified and compartmented information with other command elements, thus greatly limiting their combat 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 1989..... 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..... (145)
- (b) All Other Design Costs..... (105)
- (c) Total..... 250
- (d) Contract..... (230)
- (e) In-house..... (20)

(4) Construction start..... 4-90 (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 1990 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		4,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,400
f. PLANNED IN NEXT THREE PROGRAM YEARS		37,850
g. REMAINING DEFICIENCY		13,000
h. GRAND TOTAL		168,820

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421.72	TOMAHAWK MISSLE MAGAZINES	16,250 SF	4,600	03/87	09/88
	TOTAL		4,600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
812.30	ELECTR DIST LINES RELOC	23,500 LF	1,400	10/88	09/89
	TOTAL		1,400		
B. MAJOR PLANNED NEXT THREE YEARS:					
316.10	MSL TEST CEL ADDITION	LS	1,150		
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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL MAGAZINE, LUALUALEI, HAWAII	TOMAHAWK MISSILE MAGAZINES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204996N	421.72	P-128	4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TOMAHAWK MISSILE MAGAZINES	SF	16,250	188.00	3,060
SUPPORTING FACILITIES.	-	-	-	1,090
UTILITIES.	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(780)
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

Three earth-covered reinforced concrete three-bay missile magazines, 16-foot wide doors, fire protection systems and alarms, utilities.

11. REQUIREMENT: 16,250 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides storage facilities for the TOMAHAWK cruise missile. (New mission.)
REQUIREMENT: Adequate and properly-configured storage facilities to accommodate TOMAHAWK cruise missiles. Balance of requirement will be satisfied by future program year projects, based on delivery of missiles.
CURRENT SITUATION: There are no adequate magazines to store the new missile. Existing magazines have raised floors, eight-foot wide doors, and interior columns spaced 17-feet apart. TOMAHAWK containers are presently lifted with a crane and rotated for passage through the narrow doors into the magazines. Inside the magazines, the missiles must be maneuvered around columns for storage and removal.
IMPACT IF NOT PROVIDED: Lualualei will not be able to adequately support the TOMAHAWK missile. Hazardous and inefficient operations will continually increase as more TOMAHAWK missiles arrive at this activity.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL MAGAZINE, LUALUALEI, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
TOMAHAWK MISSILE MAGAZINES	P-128

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 1989	100
(c) Date Design 35% Complete	6-87
(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	(90)
(b) All Other Design Costs	(140)
(c) Total	230
(d) Contract	(195)
(e) In-house	(35)

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

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

1. COMPONENT	FY 1990 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		18,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		2,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		151,110
g. REMAINING DEFICIENCY		39,920
h. GRAND TOTAL		304,390

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
152.20	GEN PURPOSE BERTHING WHARF	420 FB	18,600	06/88	03/89
	TOTAL		18,600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

812.30	ELEC DIST SYS IMPROVES	LS	2,000	10/88	09/89
	TOTAL		2,000		

B. MAJOR PLANNED NEXT THREE YEARS:

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

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII	GENERAL PURPOSE BERTHING WHARF

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	152.20	P-116	18,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GENERAL PURPOSE BERTHING WHARF	FB	420	-	11,750
WHARF DECK	SY	2,800	950.00	(2,660)
MARINE PILING	LF	81,180	50.00	(4,060)
FENDER SYSTEM	LF	420	1,120	(470)
SHEET PILE BULKHEAD	LF	420	4,450	(1,870)
DREDGING	CY	33,000	23.00	(760)
BUILDING RENOVATION	LS	-	-	(1,930)
SUPPORTING FACILITIES	-	-	-	5,040
UTILITIES	LS	-	-	(4,830)
PAVING AND SITE IMPROVEMENT	LS	-	-	(210)
SUBTOTAL	-	-	-	16,790
CONTINGENCY (5%)	-	-	-	840
TOTAL CONTRACT COST	-	-	-	17,630
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	970
TOTAL REQUEST	-	-	-	18,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Concrete pile supported concrete wharf, 100-ton mobile crane support capacity, dredging, building alterations and renovations; 3,200-ampere alternating current electric power; high pressure (4,500-psi) compressed air, low pressure (125-psi) compressed air; potable water; wastewater collection system; saltwater fire protection system; security fencing, paving.

11. REQUIREMENT: 420 FB. ADEQUATE: 0 FB. SUBSTANDARD: 0 FB.

PROJECT: Provides waterfront berthing facility for submarines. (Current mission.)

REQUIREMENT: Adequate waterfront berthing facilities to berth and repair transient and homeported submarines including Los Angeles Class 688 and the new SSN 21 class submarines.

CURRENT SITUATION: Pearl Harbor does not have sufficient waterfront berthing facilities to adequately support transient and homeported submarines. Ships are berthed close together along the wharves without adequate separation between them or nested when space along the wharves is fully occupied. The existing wharves were constructed in the 1930's and 1940's and do not have the structural capacity to support the heavier mobile cranes required to service the newer submarines.

IMPACT IF NOT PROVIDED: Insufficient waterfront berthing facilities to support transient and homeported submarines for repair and resupply.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL PURPOSE BERTHING WHARF	P-116

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 1989	50
(c) Date Design 35% Complete	10-88
(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	(865)
(b) All Other Design Costs	(1100)
(c) Total	1965
(d) Contract	(1770)
(e) In-house	(195)

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

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SUBMARINE TRAINING CENTER PACIFIC. PEARL HARBOR, HAWAII	CHIEF OF NAVAL EDUCATION AND TRAINING	1.39

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	5	22	18	15	37	0	0	0	0	97
b. END FY 1994	4	26	18	15	37	0	0	0	0	100

7. INVENTORY DATA ($000)

	TENANT OF NSB
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	1,780
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,550
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	4,850
h. GRAND TOTAL	12,180

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	FF & DAM CTRL TRAINER FACS	15,460 SF	5,550	04/88	05/89
	TOTAL		5,550		

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 officer and enlisted personnel assigned to the Submarine Force, Pacific Fleet, and perform such other training and related functions as may be directed.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE TRAINING CENTER PACIFIC, PEARL HARBOR, HAWAII	FIRE FIGHTING AND DAMAGE CONTROL TRAINER FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804731N	171.35	P-021	5,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING & DAMAGE CONTROL TRAINER FACS .	SF	15,460	-	3,470
TRAINER AND SUPPORT BUILDINGS	SF	12,400	171.00	(2,130)
DAMAGE CONTROL FACILITY	SF	3,060	235.00	(720)
BUILT-IN EQUIPMENT.	LS	-	-	(470)
TECHNICAL OPERATING MANUALS	LS	-	-	(150)
SUPPORTING FACILITIES	-	-	-	1,540
UTILITIES	LS	-	-	(1,270)
PAVING & SITE IMPROVEMENT	LS	-	-	(270)
SUBTOTAL.	-	-	-	5,010
CONTINGENCY (5%).	-	-	-	250
TOTAL CONTRACT COST	-	-	-	5,260
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	290
TOTAL REQUEST	-	-	-	5,550
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(4,750)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two one-story and one two-story masonry, concrete, and steel-frame buildings, spread footing supported concrete foundations and floors, built-up roofing, fire protection systems, air conditioning, utilities; building alterations to provide high-bay compartment to accommodate 22,000-gallon tank; staging areas, water storage tank, oxygen breathing apparatus area, classrooms, locker and shower rooms, administrative spaces, workshop, storage spaces.

11. REQUIREMENT: 27,110 SF. ADEQUATE: 11,650 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides buildings to support a fire fighting trainer and a damage control trainer. (Current mission.)
REQUIREMENT: Adequate and properly-configured training facilities to accommodate and support a submarine fire fighting trainer and a submarine damage control trainer. The newer nuclear submarines pose damage control and fire fighting problems far more complex than earlier versions. With less compartmentalization, quick corrective action is necessary in a fire or flooding situation. To prevent damage, personnel loss, or loss of the entire submarine, crews must be trained in a realistic setting with up-to-date techniques and equipment. No fire fighting facility of this type is available in the Pearl Harbor area. Advances in submarine technology, configuration and operating depths increase the urgency of this project.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE TRAINING CENTER PACIFIC, PEARL HARBOR, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTING AND DAMAGE CONTROL TRAINER FACILITIES	P-021

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Damage control training is conducted using an improvised training device no longer representative of modern submarines. It is manually operated, has only limited capabilities, and requires constant repairs. It lacks water storage and recycling capabilities, and wastes eight million gallons of freshwater annually. Practical training currently consists of extinguishing a large uncontrolled oil fire. Other training is limited to classroom presentations and demonstrations.

IMPACT IF NOT PROVIDED: Existing facilities and equipment will continue to be used. Personnel will not be trained under conditions designed for submarine fire fighting or damage control and will not gain the skills and confidence necessary for either combat or routine operation. The combat readiness of operating submarines will be degraded.

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 1989	50
(c) Date Design 35% Complete	9-88
(d) Date Design Complete	5-89

(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	(265)
(b) All Other Design Costs	(155)
(c) Total	420
(d) Contract	(385)
(e) In-house	(35)

(4) Construction start: 4-90 (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)
Submarine Damage Control Trainer	OPN-7	1990	1,200
Submarine Fire Fighting Trainer	OPN-7	1991	3,550
		TOTAL	4,750

1. COMPONENT	FY 1990 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		289,100
c. AUTHORIZATION NOT YET IN INVENTORY		36,150
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		750
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,900
f. PLANNED IN NEXT THREE PROGRAM YEARS		22,770
g. REMAINING DEFICIENCY		54,500
h. GRAND TOTAL		380,170

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
811.60	SANITARY WASTEWATER SYSTEM	LS	750	05/88	08/89
	TOTAL		750		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

214.20	AUTO VEHICLE MAINT SHOP	43,200 SF	6,900	11/88	01/90
	TOTAL		6,900		

B. MAJOR PLANNED NEXT THREE YEARS:

812.30	UTILITY SYSTEMS IMPROVS	LS	6,370
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

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 Submarine Base
Naval Air Station, Barbers Point	Naval Station
Marine Barracks	Naval Supply Center
Naval Magazine, Lualualei	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

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PAGE NO.

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL COMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC, WAHIAWA, HAWAII	CHIEF OF NAVAL OPERATIONS	1.39

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	28	388	123	0	0	0	0	0	0	539
b. END FY 1994	28	388	123	0	0	0	0	0	0	539

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,422)	
b. INVENTORY TOTAL AS OF 30 SEP 88		49,170
c. AUTHORIZATION NOT YET IN INVENTORY		7,380
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		64,550

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.25	COMMS CTR SECURITY IMPVS	LS	8,000	06/86	06/89
	TOTAL		8,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
As an activity [illegible] the Naval telecommunications system, manages, operates, and maintain[illegible]ose 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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL COMMUNICATION AREA MASTER STATION EASTERN PACIFIC, WAHIAWA, HAWAII	COMMUNICATIONS CENTER SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303109N	131.25	P-151	8,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATIONS CENTER SECURITY IMPROVS . . .	LS	-	-	6,790
FACILITY HARDENING	LS	-	-	(2,350)
STANDBY POWER BUILDING ADDITION.	SF	6,000	389.00	(2,330)
BUILDING MODIFICATIONS	LS	-	-	(560)
TECHNICAL OPERATING MANUALS.	LS	-	-	(110)
BUILT-IN EQUIPMENT	LS	-	-	(1,440)
SUPPORTING FACILITIES.	-	-	-	430
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	-	-	-	7,220
CONTINGENCY (5%)	-	-	-	360
TOTAL CONTRACT COST.	-	-	-	7,580
SUPERVISON, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	420
TOTAL REQUEST.	-	-	-	8,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

100-db High Altitude Electromagnetic Pulse (HEMP) protection; wall and roof shielding, wave-guide entry corridor, radio frequency vestibule, shielded standby power building addition, security alarm system, penetration plates, lightning protection system, ground ring, surge arrestors, cathodic protection system, utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides High-Altitude Electromagnetic Pulse (HEMP) hardening for the Satellite Communication (SATCOM) facility. (Current mission.)

REQUIREMENT: Adequate HEMP protection for the SATCOM facility to insure uninterrupted operations during a high-altitude nuclear attack. HEMP hardening is necessary to prevent electromagnetic radiation from damaging electronic and electrical systems at the SATCOM facility. This radiation could cause failure of critical communication paths between the National Command Authority and the Joint Chiefs of Staff and the unified and specified commanders-in-chief.

CURRENT SITUATION: The SATCOM building and its standby power building are not shielded from HEMP radiation. The existing protective devices on the power and signal lines cannot react quickly enough to protect electronic communications equipment from the damaging power surges induced by HEMP radiation.

IMPACT IF NOT PROVIDED: Command and control systems of the Pacific Fleet will continue to be vulnerable to the disruptive and damaging effects of HEMP radiation.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATION AREA MASTER STATION EASTERN PACIFIC, WAHIAWA, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
COMMUNICATION CENTER SECURITY IMPROVEMENTS	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	6-86
(b)	Percent Complete as of January 1989	45
(c)	Date Design 35% Complete	10-88
(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	(275)
(b)	All Other Design Costs	(675)
(c)	Total	950
(d)	Contract	(540)
(e)	In-house	(410)

(4) Construction start: 4-90 (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 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL HOSPITAL, GREAT LAKES, ILLINOIS	NAVAL MEDICAL 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	324	964	272	0	1674	0	0	0	0	3234
b. END FY 1994	351	941	272	0	1785	0	0	0	0	3349

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(85)	
b. INVENTORY TOTAL AS OF 30 SEP 88		29,330
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		12,270
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		41,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.10	HOSPITAL CORPS SCHOOL ADDN	14,920 SF	1,800	05/88	07/89
721.11	BACHELOR ENLISTED QUARTERS	82,700 SF	10,470	05/88	07/89
	TOTAL		12,270		

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.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL HOSPITAL, GREAT LAKES, ILLINOIS	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807796N	721.11	P-301	10,470

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	82,700	88.00	7,280
SUPPORTING FACILITIES.	-	-	-	2,170
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(380)
ELECTRICAL UTILITIES	LS	-	-	(620)
MECHANICAL UTILITIES	LS	-	-	(620)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(550)
SUBTOTAL	-	-	-	9,450
CONTINGENCY (5%)	-	-	-	470
TOTAL CONTRACT COST.	-	-	-	9,920
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	550
TOTAL REQUEST.	-	-	-	10,470
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story-steel frame building, concrete foundation and floors, masonry walls with brick facing, built-up roofing, elevator, fire protection and alarm systems, air conditioning, utilities; 104 two-bedroom modules wich private bathrooms, lounges, laundry, vending, storage, mechanical equipment.
Grade mix: 416 E1-E4. Total: 416.

11. REQUIREMENT: 669 PN. ADEQUATE: 0 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for 416 enlisted personnel. (Current mission.)
REQUIREMENT: Adequate housing for 669 enlisted personnel assigned to the Naval Hospital Corps School.
CURRENT SITUATION: There are no adequate berthing spaces available for the Naval Hospital Corps School. Enlisted personnel are berthed in overloaded facilities presently below approved Department of Defense berthing standards. After construction of the spaces requested by this project, the remaining projected space deficit of 253 spaces 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: Enlisted personnel will continue to be berthed in overcrowded facilities, to the detriment of morale and career retention efforts.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL, GREAT LAKES, ILLINOIS

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-301

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 1989	45
(c)	Date Design 35% Complete	9-88
(d)	Date Design Complete	7-89

(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	(560)
(b)	All Other Design Costs	(45)
(c)	Total	605
(d)	Contract	(565)
(e)	In-house	(40)

(4) Construction start: 10-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL HOSPITAL, GREAT LAKES, ILLINOIS	HOSPITAL CORPS SCHOOL ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807796N	171,10	P-302	1,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HOSPITAL CORPS SCHOOL ADDITION	SF	14,920	106.00	1,580
SUPPORTING FACILITIES.	-	-	-	50
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(50)
SUBTOTAL	-	-	-	1,630
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,710
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	90
TOTAL REQUEST.	-	-	-	1,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

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

11. REQUIREMENT: 74,120 SF. ADEQUATE: 59,200 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides additional hands-on medical training space, instructor work areas, and computer-aided instruction area with secure storage. (Current mission.)

REQUIREMENT: Adequate facilities to accommodate increased hands-on training areas in the form of two mock-up 30-bed hospital wards complete with nurses stations, instructors work areas, and a computer aided instruction center with secure storage for sensitive testing materials. Because of growth in patient care technology and in an effort to improve patient care levels, the hospital corpsman A-school training course was increased in length from ten to twelve weeks. Simultaneously, curriculum changes increased the amount of hands-on training in mock-up hospital wards by two classes per day. These changes have increased by 30% the average on-board student population and require greater instructor to student ratios. The school staff has been increased from 103 to 147 positions. Additionally, 50 computer-aided instruction systems have been procured.

CURRENT SITUATION: The corps school facility is used to its fullest extent with the two mock-up ward areas being temporarily converted to instructor work spaces. The displaced hands-on training is being conducted on an

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL, GREAT LAKES, ILLINOIS

4. PROJECT TITLE	5. PROJECT NUMBER
HOSPITAL CORPS SCHOOL ADDITION	P-302

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
as-available basis in unused ward space in the hospital building a quarter of a mile from the school. Continuity of subject matter and class scheduling require the classes to move in formation one or more times daily between the school and the hospital. Each such movement is time consuming, disruptive to the class, and unnecessarily exposes the students to severe winter weather.

IMPACT IF NOT PROVIDED: Hands-on training, a prime element of the curriculum, will be jeopardized by the space shortage and the movement of classes between the school and hospital. Students will continue to be exposed to severe winter weather. With increasing student loading in other schools at the Naval Training Center, the hospital wards may cease to be available for corpsman 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..... 5-88
- (b) Percent Complete as of January 1989..... 45
- (c) Date Design 35% Complete..... 9-88
- (d) Date Design Complete..... 7-89

(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..... (25)
- (c) Total..... 130
- (d) Contract..... (110)
- (e) In-house..... (20)

(4) Construction start..... 11-89 (month and year)

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

1. COMPONENT	FY 1990 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		15,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		2,800
f. PLANNED IN NEXT THREE PROGRAM YEARS		40,730
g. REMAINING DEFICIENCY		103,890
h. GRAND TOTAL		372,610

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	ELECTR & COMMS TRNG BLDG	120,000 SF	13,600	04/88	07/89
740.74	CHILD CARE CENTER	23,000 SF	2,300	05/88	02/89
	TOTAL		15,900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
171.20	FIREMAN APPRENTICE TRG SCH	18,000 SF	2,800	11/88	01/90
	TOTAL		2,800		
B. MAJOR PLANNED NEXT THREE YEARS:					
722.10	MESS HALL MODERNIZATION	104,200 SF	4,750		
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		

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS	CHILD CARE CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	740.74	P-459	2,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD CARE CENTER.	SF	23,000	77.00	1,770
SUPPORTING FACILITIES.	-	-	-	300
UTILITIES.	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(190)
SUBTOTAL	-	-	-	2,070
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,180
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,300
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 roofing on rigid insulation over metal decking, fire protection system, air conditioning, utilities; covered and uncovered fenced playing areas.

11. REQUIREMENT: 41,100 SF. ADEQUATE: 18,100 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a child care center to accommodate 300 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: Present adequate facilities can accommodate only 14% of the children needing care, resulting in a long waiting list. Children that cannot be accommodated are cared for in civilian care facilities, by private sitters, or in inadequate facilities operated by the Veteran's Administration Hospital.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS

4. PROJECT TITLE	5. PROJECT NUMBER
CHILD CARE CENTER	P-459

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Some eligible children will be cared for under less than adequate conditions. Continued care of some children in expensive commerical facilities. The provision for safe care will be jeopardized. The needs of newly assigned personnel will not be met, resulting in a negative impact on morale and retention.

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 1989..... 60
- (c) Date Design 35% Complete..... 9-88
- (d) Date Design Complete..... 2-89

(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..... (125)
- (b) All Other Design Costs..... (80)
- (c) Total..... 205
- (d) Contract..... (170)
- (e) In-house..... (35)

(4) Construction start..... 6-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS	ELECTRICIANS AND COMMUNICATIONS TRAINING BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.20	P-512	13,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICIANS & COMMUNICATIONS TRNG BLDG. . .	SF	120,000	93.00	11,160
SUPPORTING FACILITIES.	-	-	-	1,120
ELECTRICAL UTILITIES	LS	-	-	(180)
MECHANICAL UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(320)
DEMOLITION	LS	-	-	(460)
SUBTOTAL	-	-	-	12,280
CONTINGENCY (5%)	-	-	-	610
TOTAL CONTRACT COST.	-	-	-	12,890
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	710
TOTAL REQUEST.	-	-	-	13,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel frame building with basement, concrete foundation and floors, masonry walls, aluminum windows and doors, built-up roof over insulated steel deck, fire protection system, utilities, air conditioning; demolition of one building.

11. REQUIREMENT: 928,570 SF. ADEQUATE: 808,570 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides an instruction building. (Current mission.)
REQUIREMENT: Adequate and properly-configured training facilities to accommodate advanced maintenance training for the interior communications and electricians rating, and to integrate the Basic Electric and Electronic School into the electricians curriculum.
CURRENT SITUATION: The existing Interior Communications and Electricians School is housed in two separate buildings. One building, an academic instruction building built in 1964, is sorely deficient in electric power service and distribution and cannot accommodate the present laboratory needs. The other building, a warehouse built in 1942, has deteriorated and is to be demolished.
IMPACT IF NOT PROVIDED: Interior communications and electricians training will continue in deteriorated buildings, unsuitable, and poorly configured for training, and the advanced maintenance training will not be implemented.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRICIANS AND COMMUNICATIONS TRAINING BUILDING	P-512

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 1989	60
(c)	Date Design 35% Complete	9-88
(d)	Date Design Complete	7-89

(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	(640)
(b)	All Other Design Costs	(140)
(c)	Total	780
(d)	Contract	(700)
(e)	In-house	(80)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AVIONICS CENTER, INDIANAPOLIS, INDIANA	NAVAL AIR SYSTEMS COMMAND	1.04

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	7	7	3211	0	0	0	0	0	0	3225
b. END FY 1994	8	3	3211	0	0	0	0	0	0	3222

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(186)	
b. INVENTORY TOTAL AS OF 30 SEP 88		16,970
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,790
g. REMAINING DEFICIENCY		19,240
h. GRAND TOTAL		47,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217.20	INDUSTRIAL PARTS FACILITY	42,000 SF	8,000	09/88	06/89
	TOTAL		8,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

826.10	AIR COND PLANT RENOVATION	LS	2,790

10. MISSION OR MAJOR FUNCTIONS:
Conduct research, development, engineering, material acquisition, pilot and limited manufacturing, technical evaluation, depot maintenance, integrated logistics support on assigned airborne electronics (avionics), missile, spaceborne, undersea, and surface weapon systems, and related equipment.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AVIONICS CENTER, INDIANAPOLIS, INDIANA	INDUSTRIAL PARTS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702026N	217.10	P-018	8,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
INDUSTRIAL PARTS FACILITY.	SF	42,000	147.00	6,190
SUPPORTING FACILITIES.	-	-	-	1,030
ELECTRICAL UTILITIES	LS	-	-	(190)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(770)
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-story steel frame building, concrete foundation and floor, insulated metal and masonry walls, built-up roof, computer room, storage apron, computer flooring, air filtering system, air conditioning, security lighting, fire protection systems, utilities; technical operating manuals.

11. REQUIREMENT: 42,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides facility for the prototype printed wiring assembly (PWA) cell of the rapid acquisition of manufactured parts (RAMP) project and associated soldering training facility. (Current mission).
REQUIREMENT: The RAMP project is a research and development project which seeks to integrate automated manufacturing, robotics, computer-based data management, and telecommunications techniques into a fully functional, flexible system capable of producing parts on demand. It will greatly improve performance by decreasing response time to fleet needs for spare or emergency repair parts which otherwise may not be available in suppliers' inventories. The prospects of cutting the manufacturing cycle time from 300 to 30 days will yield millions of dollars in savings in the paper trail alone. Additionally, in the case of mission essential parts, it will return repaired parts or systems to active service in 30 days or less. The major savings in time will be in the areas of procurement, administrative lead time, and manufacturing administrative lead time (23 days vice 270 days). The Navy presently has a very high inventory value of low usage parts. RAMP implementation should greatly decrease this inventory. The

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AVIONICS CENTER, INDIANAPOLIS, INDIANA

4. PROJECT TITLE	5. PROJECT NUMBER
INDUSTRIAL PARTS FACILITY	P-018

11. REQUIREMENT: (Continued)
knowlege gained in the operation of the RAMP cell will be essential in developing additional cells in government production facilties. The soldering training facility is required to train RAMP personnel and DOD contractors to the requirements of DOD specifications. Such training is presently provided by only three DOD recognized schools and is mandatory to fabricate, assemble, or manufacture electronic equipment for DOD. The center provides repair, overhaul, and software support for a wide variety of electronics, radars, communication equipment, and specializes in aircraft avionics. The center provides interservice support to the Air Force and the Marine Corps. It also develops specifications which are used for commerical production of electronic and avionics systems. It performs final acceptance testing on end-products.

CURRENT SITUATION: No facility exists to provide a location for the printed wiring assembly cell of the RAMP project, which is currently under development. Existing soldering training space is not sufficient to process the required number of personnel, creating a student backlog which continues to increase. Conditions in the 14-acre, former WW II bombsite factory have become more and more crowded with the advent of technological developments in avionics and on-board computers used in today's modern weapons. Testing and calibration are much more precise and require more support equipment and highly trained personnel. Miniturization demands better trained technical personnel to assemble and solder the systems. Computer systems which produce software for weapons computers and avionics and aid in the manufacture of integrated circuits and other electronic subsystems have been installed in the facility.

IMPACT IF NOT PROVIDED: The Navy in investing approximately $50 million into the RAMP development over the next five years. Failure to provide this facility will leave the Navy without a location for the PWA cell, delaying implementation of RAMP and allowing an estimated $12 million worth of PWA production equipment to sit idle. In addition, the student backlog for soldering certification training will continue to increase, eventually impacting DOD's ability to contract for electronic equipment in a timely manner.

ADDITIONAL: An economic analysis has been performed which shows a simple payback on the MILCON investment of under three years.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AVIONICS CENTER, INDIANAPOLIS, INDIANA

4. PROJECT TITLE	5. PROJECT NUMBER
INDUSTRIAL PARTS FACILITY	P-018

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 1989..... 35
(c) Date Design 35% Complete..... 12-88
(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..... (310)
(b) All Other Design Costs..... (140)
(c) Total..... 450
(d) Contract..... (385)
(e) In-house..... (65)

(4) Construction start..... 12-89
(month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, LAKE CHARLES, LOUISIANA	COMMANDER IN CHIEF, ATLANTIC FLEET	.96

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	10	153	46	0	0	0	0	0	0	209

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 88		0
c. AUTHORIZATION NOT YET IN INVENTORY		19,000
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		3,700
h. GRAND TOTAL		26,300

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACH ENL QTRS & MESS HALL	10,660 SF	1,340	03/87	07/88
740.43	PHYSICAL FITNESS FACILITY	16,600 SF	2,260	06/88	08/89
	TOTAL		3,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
New homeport for Naval Reserve Force Fleet Oiler and two minesweepers. Ship arrivals at this homeport are scheduled for 1991.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, LAKE CHARLES, LOUISIANA	BACHELOR ENLISTED QUARTERS AND MESS HALL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	721.11	P-009	1,340

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS & MESS HALL . . .	SF	10,660	-	1,060
HOUSING.	SF	9,640	93.00	(900)
MESS HALL.	SF	1,020	157.00	(160)
SUPPORTING FACILITIES.	-	-	-	150
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(150)
SUBTOTAL	-	-	-	1,210
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,270
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,340
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story concrete and masonry building, concrete foundation and floors, insulated metal roof, fire protection system, air conditioning, utilities; 12 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; kitchen, galley, food preparation, and dining areas.
Grade mix: 24 E1-E4, 10 E5-E6, 1 E7-E9. Total: 35.

11. REQUIREMENT: 35 PN. ADEQUATE: 0 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides bachelor enlisted quarters and mess hall for 35 personnel. (New mission.)
REQUIREMENT: Adequate billeting for bachelor enlisted personnel stationed at Naval Station, Lake Charles to support homeporting a fleet oiler and two Naval Reserve Force minesweeping ships. This homeporting at Naval Station, Lake Charles is part of the Navy's strategic homeporting initiative on the Gulf Coast.
CURRENT SITUATION: Naval Station Lake Charles is under construction and bachelor enlisted housing and dining facilities do not exist.
IMPACT IF NOT PROVIDED: Personnel support facilities for homeporting the oiler and minesweepers will not be available, delaying the ability of Naval Station, Lake Charles to effectively support strategic homeporting.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, LAKE CHARLES, LOUISIANA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-009

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 1989	100
(c) Date Design 35% Complete	8-87
(d) Date Design Complete	7-88

(2) Basis:

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

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

	($000)
(a) Production of Plans and Specifications	(60)
(b) All Other Design Costs	(35)
(c) Total	95
(d) Contract	(70)
(e) In-house	(25)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, LAKE CHARLES, LOUISIANA	PHYSICAL FITNESS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	740.43	P-013	2,260

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICAL FITNESS FACILITY.	SF	16,600	-	1,630
GYMNASIUM.	SF	13,400	87.00	(1,160)
INDOOR PLAYING COURTS.	SF	1,800	89.00	(160)
MULTI-PURPOSE RECREATION FACILITY.	SF	1,400	79.00	(110)
OUTDOOR PLAYING COURTS AND FIELDS.	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	410
UTILITIES.	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(210)
SUBTOTAL	-	-	-	2,040
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,140
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,260
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry building, concrete foundation and floor, insulated metal roof, indoor playing courts, multi-purpose recreation facility, fire protection and security systems, air conditioning, utilities; outdoor playing courts and fields, paving, lighting, fencing.

11. REQUIREMENT: 16,600 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides physical fitness facilities. (New mission.)
REQUIREMENT: Adequate facilities for maintaining physical fitness of ships' crew and shore personnel to support homeporting a fleet oiler and two Naval Reserve Force minesweeping ships that are part of the Navy's strategic homeporting initiative on the Gulf Coast.
CURRENT SITUATION: Naval Station Lake Charles is under construction and physical fitness facilities do not exist.
IMPACT IF NOT PROVIDED: Personnel support facilities for homeporting the oiler and minesweepers will not be available, delaying the ability of Naval Station Lake Charles to effectively support strategic homeporting.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, LAKE CHARLES, LOUISIANA

4. PROJECT TITLE	5. PROJECT NUMBER
PHYSICAL FITNESS FACILITY	P-013

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 1989	40
(c)	Date Design 35% Complete	11-88
(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	(105)
(b)	All Other Design Costs	(70)
(c)	Total	175
(d)	Contract	(135)
(e)	In-house	(40)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, BRUNSWICK, MAINE	COMMANDER IN CHIEF, ATLANTIC FLEET	1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	596	3053	780	10	24	0	36	95	0	4594
b. END FY 1994	598	3163	780	10	24	0	36	95	0	4706

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,742)	
b. INVENTORY TOTAL AS OF 30 SEP 88		95,970
c. AUTHORIZATION NOT YET IN INVENTORY		9,180
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		16,250
g. REMAINING DEFICIENCY		6,640
h. GRAND TOTAL		129,040

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.74	CHILD CARE CENTER	LS	1,000	-	-
	TOTAL		1,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

171.20	DIFAR TRAINER ADDN	LS	1,200
211.05	AIRCRAFT MAINT HANGAR	67,850 SF	9,800
143.46	BACHELOR ENLISTED QUARTERS	27,870 SF	2,650
218.61	GRD SPT EQUIP FAC	32,000 SF	2,600

10. MISSION OR MAJOR FUNCTIONS:
Maintain and operate facilities and provide services and material support for the six P-3 land-based, anti-submarine warfare squadrons homeported. These Atlantic Fleet ASW Squadrons conduct operational and training flights from Brunswick, and rotationally deploy to bases in the Atlantic Ocean and Mediterranean.

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

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	8,400
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL BRANCH MEDICAL CLINIC, BRUNSWICK, MAINE	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	12	34	10	0	0	0	0	0	0	56
b. END FY 1994	11	34	10	0	0	0	0	0	0	55

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NAS	
b. INVENTORY TOTAL AS OF 30 SEP 88		0
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,650
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		2,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	AVIA PHYS TRNG FACILITY	12,600 SF	2,650	05/88	06/89
	TOTAL		2,650		

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL BRANCH MEDICAL CLINIC, BRUNSWICK, MAINE	AVIATION PHYSIOLOGY TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807796N	171.20	P-304	2,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION PHYSIOLOGY TRAINING FACILITY. . . .	SF	12,600	96.00	1,210
SUPPORTING FACILITIES.	-	-	-	1,180
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(410)
ELECTRICAL UTILITIES	LS	-	-	(140)
MECHANICAL UTILITIES	LS	-	-	(470)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(160)
SUBTOTAL	-	-	-	2,390
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,510
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	140
TOTAL REQUEST.	-	-	-	2,650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame building, pile foundation, engineered fill, concrete floor, masonry walls, single-ply roof, fire protection system, air conditioning, utilities; specialized equipment and utilities to support training units.

11. REQUIREMENT: 12,600 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an aviation physiology training facility including administrative space, classrooms, and low-pressure chamber and ejection seat training devices. (Current mission.)
REQUIREMENT: An adequate and properly-configured facility to accommodate and support aviation physiology and water survival training for all aviation personnel in the northeast region of the U.S., including activities in Michigan, Illinois, Massachusetts, and Pennsylvania.
CURRENT SITUATION: Because of a lack of space in the existing facility, training is presently limited to 30 persons per class, with 600 to 700 aircrew personnel annually in aviation physiology, and another 300 personnel in water survival training. However, there are 1,200 flight personnel alone stationed at Brunswick. Because of a lack of adequate facilities, all of the vital training in flight stress and emergency procedures required by regulations are not made available. The lack of existing storage space means aviation life support equipment used in water survival training must be stored in a trailer where rapid deterioration causes more frequent replacement.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL BRANCH MEDICAL CLINIC, BRUNSWICK, MAINE

4. PROJECT TITLE	5. PROJECT NUMBER
AVIATION PHYSIOLOGY TRAINING FACILITY	P-304

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Fleet aviation personnel will not be provided with sufficient aviation physiology and aircrew flight equipment training to be fully aware of their limitations and to react properly in emergency situations.

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 1989	50
(c)	Date Design 35% Complete	9-88
(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	(140)
(b)	All Other Design Costs	(90)
(c)	Total	230
(d)	Contract	(210)
(e)	In-house	(20)

(4) Construction start: 10-89 (month and year)

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

1. COMPONENT	FY 1990 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		1,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		30,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		25,130
g. REMAINING DEFICIENCY		343,220
h. GRAND TOTAL		566,150

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.74	CHILD CARE CENTER	LS	1,000	--	--
	TOTAL		1,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
213.10	DRY DOCK MODERN & COVER-I	124,360 SF	30,500	01/89	09/90
	TOTAL		30,500		
B. MAJOR PLANNED NEXT THREE YEARS:					
451.10	YARD LANDFILL CLEANUP	LS	3,830		
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 1990 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 1994	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	48,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,750
g. REMAINING DEFICIENCY	5,080
h. GRAND TOTAL	304,390

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 I)	341,000 SF	48,000*	06/88	01/90
	TOTAL		48,000		

*Appropriation Request: $24,000,000.

9. Future Projects:

a. Included in following program:

721.12	Bancroft Hall Expan (Phase II)	LS	0*	06/88	01/90
	TOTAL		0		

b. Major Planned Next Three Years:

441.10	General Warehouse	LS	1,750

*Appropriation Request: $24,000,000.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL ACADEMY, ANNAPOLIS, MARYLAND	BANCROFT HALL EXPANSION (PHASE I)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805896N	721.12	P-256	AUTH: 48,000 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
TOTAL AUTHORIZATION REQUEST.	-	-	-	48,000
FUNDING REQUEST: FY 1990.	-	-	-	24,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

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 90 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 I)	P-256

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 1989	35
(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: 3-90 (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 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY CENTER, 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	15	84	254	0	0	0	0	0	0	353
b. END FY 1994	15	84	296	0	0	0	0	0	0	395

7. INVENTORY DATA ($000)

	TENANT OF NOS
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	7,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	700
g. REMAINING DEFICIENCY	680
h. GRAND TOTAL	9,080

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
316.10	ORD COUNTERMEASURES LAB	62,250 SF	7,700	11/86	07/88
	TOTAL		7,700		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

316.10	ORDNANCE TEST FAC	2,150 SF	700

10. MISSION OR MAJOR FUNCTIONS:

Conduct ordnance countermeasure research and development for foreign ordnance component exploitation. Life cycle manager for EOD procedures, publications and equipment to counter explosive ordnance being developed by major powers, third world countries and terrorist groups. Sole responsibility within DOD to provide the technology and equipment to counter terrorist initiated Improvised Nuclear Devices. Serve as lead for Range Clearance Program to effectively detect and clear surface/sub-surface and underwater unexploded ordnance contamination from Government property.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY CENTER, INDIAN HEAD, MARYLAND	ORDNANCE COUNTERMEASURES LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	316.10	P-034	7,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ORDNANCE COUNTERMEASURES LABORATORY	SF	62,250	-	6,310
BUILDING	SF	62,250	96.00	(5,970)
BUILT-IN EQUIPMENT	LS	-	-	(240)
TECHNICAL OPERATING MANUALS	LS	-	-	(100)
SUPPORTING FACILITIES	-	-	-	640
ELECTRICAL UTILITIES	LS	-	-	(90)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT	LS	-	-	(450)
DEMOLITION	LS	-	-	(50)
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

Two-story brick faced masonry building, steel frame, concrete foundation and floors, metal roof, intrusion detection system, emergency generator, elevator, hoist and monorail system, fire protection system, air conditioning, utilities; demolition of two buildings.

11. REQUIREMENT: 66,450 SF. ADEQUATE: 4,200 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs laboratory facilities for ordnance countermeasures research and development and for foreign ordnance component exploitation. (Current mission.)
REQUIREMENT: Adequate laboratory space, exploitation facilities, and support space for research, engineering development, testing, documentation, and preparation of render-safe procedures, tools, and equipment on all ordnance, foreign and domestic including, improvised explosive chemical, biological and nuclear devices in support of the Joint Service Explosive Ordnance Disposal (EOD) Program and other federal and law enforcement agencies. As the single service manager for explosive ordnance disposal (EOD) technology, this center is tasked with life-cycle responsibility for EOD procedures, publications, and equipment enabling the EOD technician to counter the ever-increasing types of explosive ordnance being developed by major powers, third world countries and various terrorist groups, is solely responsibile within the Department of Defense for providing the technology and equipment to counter terrorist initiated improvised nuclear devices, and serves as lead laboratory for the Range

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY CENTER, INDIAN HEAD, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
ORDNANCE COUNTERMEASURES LABORATORY	P-034

11. REQUIREMENT: (Continued)
Clearance Program to effectively detect and clear surface and sub-surface and underwater unexploded ordnance contamination from government property.
CURRENT SITUATION: Because of the increased workload since 1983, this center's base loading has increased from 164 civilian and 73 military personnel to a loading of 212 civilian and 84 military personnel. The base loading is projected to increase to 238 civilian and 102 military personnel. Consequently, the situation with respect to facilities is extremely critical. This center's most recent permanent laboratory facility was constructed in 1963. Laboratory space has reached maximum utilization and cannot support the increased workload. Office space is also overloaded so that personnel cannot work effectively. Conference facilities cannot accommodate highly classified inter-agency meetings. Library space is not sufficient to accommodate the classified data base. Personnel are crowded into some trailers, temporary structures and very old inadequate buildings.
IMPACT IF NOT PROVIDED: The EOD center's ability to meet vital taskings will be greatly impaired. This adverse effect on technical capability will result in excessive delays in development of EOD procedures required to counter the expanding terrorist and 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..... 11-86
- (b) Percent Complete as of January 1989..... 100
- (c) Date Design 35% Complete..... 9-87
- (d) Date Design Complete..... 7-88

(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..... (285)
- (b) All Other Design Costs..... (120)
- (c) Total..... 405
- (d) Contract..... (390)
- (e) In-house..... (15)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 1990 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	269	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		10,670
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,400
f. PLANNED IN NEXT THREE PROGRAM YEARS		37,500
g. REMAINING DEFICIENCY		53,400
h. GRAND TOTAL		237,130

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
226.65	MIX, CAST, CURE FAC	30,920 SF	10,670	04/88	12/88
	TOTAL		10,670		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
831.10	INDUST WSTWTR TRMNT FACS	LS	6,400	11/88	01/90
	TOTAL		6,400		
B. MAJOR PLANNED NEXT THREE YEARS:					
226.66	PROPELLANT & CHEMICAL FAC	LS	2,000		
841.10	WASTEWATER TREATMENT	LS	5,400		
143.60	BULK EXPLOSIVE FACILITY	LS	14,000		
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 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL ORDNANCE STATION, INDIAN HEAD, MARYLAND	MIX, CAST, CURE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	226.65	P-059	10,670

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MIX, CAST, CURE FACILITY	SF	30,920	-	6,600
MIX BUILDING	SF	7,920	226.00	(1,790)
ASSEMBLY BUILDINGS	SF	18,020	220.00	(3,970)
CURE BUILDING.	SF	3,820	157.00	(600)
CONTROL BUILDING	SF	1,160	207.00	(240)
SUPPORTING FACILITIES.	-	-	-	3,030
ELECTRICAL UTILITIES	LS	-	-	(1,500)
MECHANICAL UTILITIES	LS	-	-	(1,030)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(500)
SUBTOTAL	-	-	-	9,630
CONTINGENCY (5%)	-	-	-	480
TOTAL CONTRACT COST.	-	-	-	10,110
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	560
TOTAL REQUEST.	-	-	-	10,670
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(6,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Mix building, two explosive processing and assembly buildings, explosive cure building, control building; robotic assembly areas, high temperature and low humidity environment, blast and fire resistant construction, lightning protection, static electrical grounding, intrusion detection system, fire protection system, utilities.

11. REQUIREMENT: 30,920 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs processing building for start-up and low-rate production of high-energy composite propellant and warhead explosives. (Current mission.)

REQUIREMENT: Adequate, secure, and properly-configured facilities to produce tactical missile propulsion systems, load small Navy classified warheads, and increase production capacity for the growing advanced composite workload on Navy tactical weapons with classified components including guided projectiles, torpedoes, and tactical rockets. The proposed facilities are necessary to accommodate new warheads for the MK 50 torpedo and Standard Missile which are assigned to the station for production in the early 1990's and must have secure assembly and curing areas. The station's firm workload commitments have increased rapidly because of Navy requirements for composite insensitive munitions and for loading plastic bonded explosive warheads in-house. The station's workload projections for 1992 will exceed current capacity by 37% for the mix and cast operations, 56% for curing, and 20% for assembly. This

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL ORDNANCE STATION, INDIAN HEAD, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
MIX, CAST, CURE FACILITY	P-059

11. REQUIREMENT: (Continued)
workload requires facilities designed specifically for the new materials, ingredients, and processes that will be used in the 1990's, as well as for occupational health and safety regulations. The only feasible alternative to meet these requirements is to construct secure integrated facilities for mixing, assembling and curing composite propellants and explosives.
CURRENT SITUATION: No secure propellant and warhead explosive production and loading facilities exist at Indian Head, or elsewhere within the Navy. Safety requirements for separation of explosive process buildings prevent the upgrading and expansion of current facilities.
IMPACT IF NOT PROVIDED: Production of the new warheads for the MK 50 torpedo and the Standard Missile will not be possible and upgraded weapons will not be available to support the modern Navy. Production cut-backs of 36% will be required from several weapon system 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	4-88
(b)	Percent Complete as of January 1989	100
(c)	Date Design 35% Complete	8-88
(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	(560)
(b)	All Other Design Costs	(520)
(c)	Total	1080
(d)	Contract	(1025)
(e)	In-house	(55)

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

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL ORDNANCE STATION, INDIAN HEAD, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
MIX, CAST, CURE FACILITY	P-059

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)
Mixers, Robotics Machines, Ingredients Transport System	NIF (ACP)	1989 - 1990	6,000

1. COMPONENT	FY 1990 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		17,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		21,660
g. REMAINING DEFICIENCY		58,970
h. GRAND TOTAL		350,810

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
311.10	AIRCRFT FLIGHT SYS EQP LAB	26,080 SF	2,000	05/88	05/89
311.10	FLIGHT TEST HANGAR	125,840 SF	15,000	04/88	04/89
	TOTAL		17,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
872.10	SECURITY IMPROVEMENTS	LS	3,000	11/88	01/90
	TOTAL		3,000		
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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND	AIRCRAFT FLIGHT SYSTEMS EQUIPMENT LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	311.10	P-475	2,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT FLIGHT SYSTEMS EQUIPMENT LABORATORY	SF	26,680	-	1,810
BUILDING CONVERSION AND RENOVATION	SF	26,680	37.00	(990)
ASBESTOS REMOVAL	LS	-	-	(430)
BUILT-IN EQUIPMENT	LS	-	-	(390)
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

Renovate a two-story, wood-frame building including handicapped accessibility provisions, elevator, 400 Hz power, vault, partitions, new wall, floor, and ceiling coverings; extension of sprinkler system, air conditioning, utilities; asbestos removal.

11. REQUIREMENT: 26,680 SF. ADEQUATE: 0 SF. SUBSTANDARD: (26,680) SF.
PROJECT: Provides a renovated facility to support a variety of assigned research and development mission programs slated for start-up during FY 1991/1992. Project includes removal of asbestos and the installation of a security vault. (Current mission.)
REQUIREMENT: Adequate and properly-configured engineering space to accommodate new specific research, development, testing, and evaluation mission programs for the S-3 Software Support Activity; LRAACA (follow-on Shore-based anti-submarine warfare aircraft); SV-22 anti-submarine warfare (ASW) version of the tilt-rotor Osprey aircraft; development of new electronic warfare reconnaissance carrier-based aircraft; KC-2A new tanker aircraft; and advanced multi-mission sensor system. Other programs which are on-going at the center include anti-submarine warfare; airborne early warning; witness of contractor demonstrations; developmental test phases; aircraft trials; and follow-on evaluations of modifications designed to correct deficiencies discovered as a result of Fleet operations. The number of work-years for the Force Warfare Aircraft Test Directorate which will be assigned the above new programs has increased

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT FLIGHT SYSTEMS EQUIPMENT LABORATORY	P-475

11. REQUIREMENT: (Continued)
over 100% since the early 1980's (665 work-years in 1986). The number of individual test projects has also grown dramatically during this period (266 in 1986). The growth is expected to continue as new, more complex programs are added to the workload (975 work-years and 400 projects planned by 1995). Utilizing an existing building will provide logistical advantages by establishing engineering laboratory spaces in close proximity to hangar spaces. This arrangement is advantageous for interaction between flight line operations for aircraft flight testing and engineering support functions.
CURRENT SITUATION: There is an engineering space deficit at this center for supporting all the existing and planned test and development programs assigned. Engineering spaces located in the aircraft hangars are crowded and, in some cases, engineers have only 70 square feet of space. This project will remodel a structurally sound building to provide improved work spaces, with asbestos-free environment, an elevator, a security vault, and upgraded utilities. The building currently houses the main Navy exchange which will move to a new building in 1989. The savings generated by rehabilitating this building vice constructing a new one to support the new programs is over $2 million.
IMPACT IF NOT PROVIDED: The lack of aircraft flight systems equipment laboratory space would lead to an overall degradation of Fleet readiness support and a greater expenditure in conducting development and test programs. Engineers and technical personnel will continue to crowd into hangar spaces. The vacated exchange building cannot be utilized for this much needed requirement.

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 1989..... 60
- (c) Date Design 35% Completé..... 10-88
- (d) Date Design Complete..... 5-89

(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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT FLIGHT SYSTEMS EQUIPMENT LABORATORY	P-475

12. SUPPLEMENTAL DATA: (Continued)

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

(a)	Production of Plans and Specifications	105
(b)	All Other Design Costs	75
(c)	Total	180
(d)	Contract	0
(e)	In-house	180

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

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND	FLIGHT TEST HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	311.10	P-480	15,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLIGHT TEST HANGAR	SF	125,840	-	10,640
BUILDING	SF	125,840	72.00	(9,020)
BUILT-IN EQUIPMENT	LS	-	-	(1,480)
TECHNICAL OPERATING MANUALS	LS	-	-	(140)
SUPPORTING FACILITIES	-	-	-	2,900
ELECTRICAL UTILITIES	LS	-	-	(300)
MECHANICAL UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT	LS	-	-	(2,300)
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)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-module aircraft hangar, mechanical equipment building, aircraft operators building, storage building and sentry house; steel-frame, concrete foundations and floors, masonry walls, built-up roofs, 400 Hz electric power, motorized hangar doors, grounding, vaults, intrusion detection system, computer flooring, compressed air system, shielding, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 125,840 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a flight test hangar in which up to nine test aircraft will be readied for flight test in a secure, access controlled facility. As a Type I design, the hangar is intended to serve only tactical carrier-based size aircraft. (New mission.)
REQUIREMENT: Adequate and properly-configured three-module aircraft hangar and associated shops and laboratory spaces to be used for preparation of aircraft for flight tests and for testing classified weapons systems before and after flight tests. Space within the hangar for up to nine tactical aircraft is required to ensure that aircraft are ready to meet the planned flight schedules. The programs are highly classified and require unusual security measures and separation from other project spaces. A separate storage building and sentry guardhouse are also required. This facility is required at this activity because the test and development programs will also require unique facilities already in-place. These include the Chesapeake Test Range, anachoic chamber,
(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
FLIGHT TEST HANGAR	P-480

11. REQUIREMENT: (Continued)
electronic warfare laboratories, steam catapult, carrier landing systems test facility, manned flight simulator, closed-loop simulation facility, antenna test facility, TEMPEST laboratories, and electromagnetic pulse facilities. The cost to duplicate these at another location is in excess of $200 million. This project continues the program of constructing facilities capable of providing simulated testing and on-ground evaluation of state-of-the-art avionics and aircraft systems and, thus, reducing expensive flight testing to an absolute minimum.
CURRENT SITUATION: There are no existing hangars available to support the additional requirements of these classified programs. The existing hangars are too small, fully utilized, and do not provide the security needed to protect the test and development work. The program needs to be conducted at Patuxent River because of its dependence on existing facilities and test ranges.
IMPACT IF NOT PROVIDED: The programs will have to use undersized or crowded hangars with an almost assured possibility of security breaches and loss of sensitive developments to the outside. The impact of security degradation and the loss of advanced developments will most certainly compromise multi-million dollar weapon systems in the future.

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 1989..... 95
- (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..... (765)
- (b) All Other Design Costs..... (305)
- (c) Total..... 1070
- (d) Contract..... (1040)
- (e) In-house..... (30)

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

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

1. COMPONENT	FY 1990 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 1994	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		2,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,900
f. PLANNED IN NEXT THREE PROGRAM YEARS		8,800
g. REMAINING DEFICIENCY		23,300
h. GRAND TOTAL		59,090

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	UTILITIES IMPVS (INCR II)	LS	2,950	07/88	12/88
	TOTAL		2,950		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
317.25	FACSFAC ELEC SYS INTEG	25,400 SF	3,900	11/88	09/89
	TOTAL		3,900		
B. MAJOR PLANNED NEXT THREE YEARS					
317.25	ACLS INTEGRATED TEST FAC	LS	700		
217.77	ELECTRONICS STORAGE FAC	57,560 SF	8,100		

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 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL ELECTRONIC SYSTEMS ENGINEERING ACTIVITY, ST. INIGOES, MARYLAND	UTILITIES IMPROVEMENTS (INCREMENT II)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0708012N	812.30	P-719	2,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITIES IMPROVEMENTS	LS	-	-	2,380
ELECTRICAL DISTRIBUTION LINES	LF	13,000	105.00	(1,370)
COMMUNICATIONS SYSTEM	LF	6,000	22.00	(130)
WATER DISTRIBUTION LINES	LS	-	-	(880)
SUPPORTING FACILITIES	-	-	-	290
PAVING AND SITE IMPROVEMENT	LS	-	-	(290)
SUBTOTAL	-	-	-	2,670
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST	-	-	-	2,800
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	150
TOTAL REQUEST	-	-	-	2,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Expand electrical distribution system, cable, transformers, manholes; water distribution system, fire protection system, pump and distribution lines; telephone conduit system to provide service to newly developed areas of the station.

11. REQUIREMENT: As Required.

PROJECT: Provides second increment for upgrade and expansion of freshwater, fire protection, communications, and electrical distribution systems. (Current mission.)

REQUIREMENT: Adequate utility systems to support construction and rectify severe deficiencies. Starting with the FY 1986 Military Construction Program and continuing through the following five years, construction at this activity will increase the station's loading from 1,190 to 1,740 personnel by 1992. These facilities and personnel will enhance Navy's command, control, and communication systems and production of radio communications suites for the CG-47 (AEGIS) and DDG-51 combatants.

CURRENT SITUATION: Some of the activity's utility systems were built in 1945 and expanded in 1975. The freshwater system is supplied by only one well with no stand-by power. The water distribution system is a non-looped system and can deliver only 10% of the fire protection demand at the required residual pressure to most sections of the activity. The electrical distribution system does not have the capacity to support current or projected loadings and is responsible for downtime of the

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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
UTILITIES IMPROVEMENTS (INCREMENT II)	P-719

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
activity's computer systems approximately 50 hours a month because of outages and surges. The communications system lacks the capacity to handle current and projected loads. The first increment in FY 1986 provided a 66KV electric power substation, electric power transmission lines, and water system improvements including a well, storage tank, and pumping system.
IMPACT IF NOT PROVIDED: Loss of potable water and fire fighting capability. An estimated plant account of $38,000,000 and installed equipment valued in excess of $60,000,000 will be placed at risk. Unable to support future construction with adequate utilities.

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 1989	100
(c)	Date Design 35% Complete	8-88
(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	(115)
(b)	All Other Design Costs	(100)
(c)	Total	215
(d)	Contract	(190)
(e)	In-house	(25)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, MERIDIAN, 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	140	944	1022	173	1287	0	0	0	0	3566
b. END FY 1994	154	833	1006	193	1266	0	0	0	0	3452

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(13,908)	
b. INVENTORY TOTAL AS OF 30 SEP 88		93.930
c. AUTHORIZATION NOT YET IN INVENTORY		7.810
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		11.800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		680
g. REMAINING DEFICIENCY		10.830
h. GRAND TOTAL		124.700

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	STATUS COMPLETE
211.05	AIRCRAFT MAINT FACS	LS	11,800	06/88	06/89
	TOTAL		11,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

141.60	PHOTOGRAPHIC BLDG	5,690 SF	650

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and materials to support operations of Aviation activities and units of the Naval Training Command.

Three jet training squadrons.
Naval Technical Training 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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, MERIDIAN, MISSISSIPPI	AIRCRAFT MAINTENANCE FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804745N	211.05	P-266	11,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT MAINTENANCE FACILITIES.	LS	-	-	9,550
BUILDING ALTERATIONS	LS	-	-	(4,550)
TRAINING FACILITY.	SF	21,900	85.00	(1,860)
TRANSITION FACILITIES.	SF	20,000	30.00	(600)
CORROSION CONTROL FACILITY	SF	18,850	135.00	(2,540)
SUPPORTING FACILITIES.	-	-	-	1,100
ELECTRICAL UTILITIES	LS	-	-	(90)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(940)
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)	(139,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Upgrades facilities; constructs reinforced concrete frame training building, concrete foundation and floors, masonry walls, built-up roof; constructs 3-bay reinforced concrete frame corrosion control building, concrete foundation and floor, masonry walls, built-up roof; constructs pre-engineered metal transition buildings, concrete foundation and floors; flight simulators, academics and training integration system equipment, associated classrooms, administrative offices, supply warehouse, maintenance spaces; fire protection system, air conditioning, utilities upgrade.

11. REQUIREMENT: As Required.
PROJECT: Upgrades aircraft operational, training, and maintenance facilities to support a new basic jet trainer aircraft. (Current mission.)
REQUIREMENT: Adequate and properly-configured operational, maintenance, and support facilities to accommodate the T-45 aircraft training system (T45TS). This new mission supports the Navy's new undergraduate jet flight training system. The station will transition from the T-2 and TA-4 jet training aircraft to a modern T-45 aircraft. Facilities provided to accommodate the T-45 aircraft include flight simulators, academics and training integration equipment, associated classrooms, administrative offices, supply warehouse, maintenance spaces and engine test cells.
CURRENT SITUATION: Existing facilities are configured to support the T-2 and TA-4 jet training aircraft and cannot support the new T-45 jet training system.
(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, MERIDIAN, MISSISSIPPI

4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT MAINTENANCE FACILITIES	P-266

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The T-45 jet flight training system cannot be supported. The T-2 and TA-4 jet aircraft training system will continue to be used, delaying a more modern pilot training program.

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 1989..... 35
- (c) Date Design 35% Complete..... 11-88
- (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..... (495)
- (b) All Other Design Costs..... (260)
- (c) Total..... 755
- (d) Contract..... (645)
- (e) In-house..... (110)

(4) Construction start..... 12-89 (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)
Instrument Flight Trainers	APN-1	1990 - 1991	30,000
Operational Flight Trainers	APN-1	1990 - 1991	105,000
Academics and Training Integration System	APN-1	1990	4,000
		TOTAL	139,000

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, PASCAGOULA, MISSISSIPPI	COMMANDER IN CHIEF, ATLANTIC FLEET	.84

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	119	1525	448	0	0	0	0	0	0	2092

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 88		0
c. AUTHORIZATION NOT YET IN INVENTORY		67,800
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,220
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. **GRAND TOTAL**		70,020

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.43	PHYSICAL FITNESS FACILITY	16,600 SF	2,220	05/88	03/89
	TOTAL		2,220		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
New homeport for two guided missile cruisers and two guided missile destroyers. Ship arrivals at this homeport are scheduled for 1991.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, PASCAGOULA, MISSISSIPPI	PHYSICAL FITNESS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	740.43	P-017	2,220

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICAL FITNESS FACILITY	SF	16,600	-	1,690
GYMNASIUM	SF	14,800	81.00	(1,200)
INDOOR PLAYING COURTS	SF	1,800	83.00	(150)
OUTDOOR PLAYING COURTS AND FIELDS	LS	-	-	(340)
SUPPORTING FACILITIES	-	-	-	310
UTILITIES	LS	-	-	(180)
PAVING AND SITE IMPROVEMENT	LS	-	-	(130)
SUBTOTAL	-	-	-	2,000
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST	-	-	-	2,100
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	120
TOTAL REQUEST	-	-	-	2,220
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry building, concrete foundation and floor, insulated metal roof, fire protection and security systems, air conditioning, utilities; outdoor playing courts and fields, paving, lighting, fencing.

11. REQUIREMENT: 16,600 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides physical fitness facilities. (New mission.)
REQUIREMENT: Adequate facilities for maintaining physical fitness of ships' crew and shore personnel to support homeporting two guided missile cruisers and two guided missile destroyers of the Carrier Battle Group that are part of the Navy's strategic homeporting initiative on the Gulf Coast.
CURRENT SITUATION: Naval Station Pascagoula is under construction and physical fitness facilities do not exist.
IMPACT IF NOT PROVIDED: Personnel support facilities for homeporting ships of the Gulf Coast Carrier Battle Group will not be available, delaying the ability of Pascagoula to effectively support strategic homeporting.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, PASCAGOULA, MISSISSIPPI

4. PROJECT TITLE	5. PROJECT NUMBER
PHYSICAL FITNESS 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	5-88
(b)	Percent Complete as of January 1989	60
(c)	Date Design 35% Complete	11-88
(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	(115)
(b)	All Other Design Costs	(85)
(c)	Total	200
(d)	Contract	(150)
(e)	In-house	(50)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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	295	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		1,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,340
f. PLANNED IN NEXT THREE PROGRAM YEARS		13,930
g. REMAINING DEFICIENCY		11,000
h. GRAND TOTAL		200,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
740.74	CHILD CARE CENTER	LS	1,000	-	-
	TOTAL		1,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

134.70	RANGE AIR SURVEILLANCE SYS	LS	3,340	04/88	03/89
	TOTAL		3,340		

B. MAJOR PLANNED NEXT THREE YEARS:

421.72	MISSILE MAGAZINE	LS	2,000
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 materiels 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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVY PUBLICATIONS & PRINTING SERVICE DET OFFICE, BAYONNE, NEW JERSEY	NAVAL SUPPLY 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	0	0	32	0	0	0	0	0	0	32
b. END FY 1994	0	0	38	0	0	0	0	0	0	38

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		1,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		1,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
229.80	PRINTING PLANT	LS	1,000	06/88	05/89
	TOTAL		1,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provides printing and publication services to the Fleet and shore activities in the Northeast 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 1990 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		81,630
c. AUTHORIZATION NOT YET IN INVENTORY		73,980
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		14,270
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		20,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		58,660
g. REMAINING DEFICIENCY		14,550
h. **GRAND TOTAL**		263,390

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421.52	PROJECTILE MAGAZINES	54,000 SF	13,700	06/88	03/89
740.25	FAMILY SERVICES CTR	LS	570	-	-
	TOTAL		14,270		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
151.10	TRESTLES REPLACE (INCR I)	LS	20,000	06/89	07/90
	TOTAL		20,000		
B. MAJOR PLANNED NEXT THREE YEARS:					
148.25	TRUCK HOLDING YARD	LS	1,000		
151.10	TRESTLES REPLACE (INCR II)	LS	14,100		
151.10	TRESTLES REPLACE(INCR III)	LS	36,700		
421.72	MISSILE MAGAZINES	18,000 SF	4,460		

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 19_90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, EARLE, NEW JERSEY	PROJECTILE MAGAZINES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	421.52	P-825	13,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROJECTILE MAGAZINES	SF	54,000	-	8,240
MAGAZINES	SF	54,000	140.00	(7,560)
LOADING DOCKS	LS	-	-	(680)
SUPPORTING FACILITIES	-	-	-	4,130
UTILITIES	LS	-	-	(1,160)
PAVING AND SITE IMPROVEMENT, RAILROAD	LS	-	-	(2,970)
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)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Six earth-covered reinforced concrete five-bay magazines, 25-foot wide doors; loading docks and aprons; railroad siding; fire protection system, utilities.

11. REQUIREMENT: 478,620 SF. ADEQUATE: 424,620 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides six projectile magazines to support homeporting two fast combat auxiliary oil and explosives (AOE) ships. (New mission.)
REQUIREMENT: Adequate facilities to provide safe storage of ammunition staged for loading on-board AOE ships and for the safe storage of ammunition off-loaded from homeported AOE ships. This station provides direct ammunition re-supply support to homeported ships. Presently, Earle is the homeport for three ammunition ship's (AE's) and has been selected as the future homeport for two AOE's. These vital ships resupply the Atlantic Fleet underway with fuel, ammunition, and other supplies and are now berthed at Norfolk, Virginia under an explosive safety waiver.
CURRENT SITUATION: The existing smokeless powder and projectile magazines do not have the capacity to store the increased ammunition associated with AOE homeporting.
IMPACT IF NOT PROVIDED: This activity would be seriously hampered in providing the storage capability to successfully store ammunition from future homeported AOE ships without violating explosive safety criteria.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, EARLE, NEW JERSEY

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTILE MAGAZINES	P-825

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 1989	50
(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	(210)
(b)	All Other Design Costs	(155)
(c)	Total	365
(d)	Contract	(330)
(e)	In-house	(35)

(4) Construction start: 10-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SPACE SURVEILLANCE FIELD STATION, ELEPHANT BUTTE, NEW MEXICO	CHIEF OF NAVAL OPERATIONS	1.00

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	14	14
b. END FY 1994	0	0	0	0	0	0	0	0	14	14

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		4,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		4,700

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
148.17	SPACE SURV ANTENNAMODN	LS	4,700	06/88	02/89
	TOTAL		4,700		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Maintain constant surveillance of space and provide satellite data to fullfill Navy and national requirements.

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

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SPACE SURVEILLANCE FIELD STATION, ELEPHANT BUTTE, NEW MEXICO	SPACE SURVEILLANCE ANTENNA MODERNIZATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0102427N	148.17	P-009	4,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SPACE SUVEILLANCE ANTENNA MODERNIZATION. . .	LS	-	-	4,250
ANTENNA SUPPORT STRUCTURE.	LS	-	-	(3,500)
PRE-AMPLIFIER BUILDINGS.	LS	-	-	(50)
UTILITIES,PAVING & SITE IMPROVEMENT,REMOVAL	LS	-	-	(700)
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)	(9,560)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Twenty-seven antenna support structures and prefabricated metal buildings; surveying; security fencing; removal of antenna supports.

11. REQUIREMENT: As Required.

PROJECT: Provides support structures for twenty-seven 1200-foot linear arrays of dipoles and radio frequency energy distribution system. (Current mission.)

REQUIREMENT: Adequate facilities for the Naval Space Surveillance Command (NAVSPASUR) to fully exploit its unique unaltered detection capability by providing the higher quality data required for early orbit calculations and for new orbit calculations following satellite perturbations. Maintaining constant space surveillance and securing satellite data is necessary to fulfill Navy and national requirements.

CURRENT SITUATION: The configuration of existing antenna arrays is based on an angle determination technique applicable to early 1960's hardware and does not exploit the capabilities of today's technology or the increasing emphasis on early orbit determination.

IMPACT IF NOT PROVIDED: The ability of NAVSPASUR to provide high-quality, down-track orbital data will be seriously limited by the constraints imposed by the existing configuration of antennas.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SPACE SURVEILLANCE FIELD STATION, ELEPHANT BUTTE, NEW MEXICO

4. PROJECT TITLE	5. PROJECT NUMBER
SPACE SURVEILLANCE ANTENNA MODERNIZATION	P-009

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 1989..... 90
(c) Date Design 35% Complete..... 10-88
(d) Date Design Complete..... 2-89

(2) Basis:

(a) Standard or Definitive Design: Yes ____ No \
(b) 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..... (100)
(c) Total..... 180
(d) Contract..... (160)
(e) In-house..... (20)

(4) Construction start..... 12-89
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Antenna and Operational Equipment	OPN	1989	9,560

1. COMPONENT: NAVY

2. DATE

FY 1990 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND LOCATION: NAVAL STATION, NEW YORK, NEW YORK

4. COMMAND: COMMANDER IN CHIEF, ATLANTIC FLEET

5. AREA CONSTR. COST INDEX: 1.40

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	200	1069	2034	1	0	0	0	1	0	3305
b. END FY 1994	425	4756	1831	1	0	0	9	150	0	7172

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(143)	
b. INVENTORY TOTAL AS OF 30 SEP 88		29,550
c. AUTHORIZATION NOT YET IN INVENTORY		172,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		25,640
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		23,200
g. REMAINING DEFICIENCY		5,050
h. GRAND TOTAL		255,990

9. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QUARTERS	20,310 SF	4,600	11/84	03/87
740.74	CHILD CARE CENTER	13,370 SF	3,000	06/85	04/89
932.20	UTILITIES & SITE IMPROVE	LS	18,040	12/86	10/88
	TOTAL		25,640		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM.
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

721.12	BACHELOR ENLISTED QUARTERS	LS	9,200
724.11	BACHELOR OFFICER QUARTERS	LS	2,000
740.25	COMMUNITY SERVICES CENTER	LS	9,000
740.84	FITNESS CENTER	13,900 SF	3,000

10. MISSION OR MAJOR FUNCTIONS:
Provides personnel support for crews while their ships are undergoing overhaul in private shipyards in the New York area. Operates and maintains family housing at Mitchel Field. Beginning in 1990, NS New York will be homeport to a battleship surface action group (five ships) and two reserve frigates.

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 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, NEW YORK, NEW YORK	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	721.11	P-092	4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS.	SF	20,310	142.00	2,880
SUPPORTING FACILITIES	-	-	-	1,270
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(420)
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(270)
PAVING AND SITE IMPROVEMENT	LS	-	-	(380)
SUBTOTAL	-	-	-	4,150
CONTINGENCY (5%)	-	-	-	210
TOTAL CONTRACT COST	-	-	-	4,360
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	240
TOTAL REQUEST	-	-	-	4,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel frame building, pile foundation, concrete floors, masonry walls, composition roof, fire protection and security systems, air conditioning, utilities; 30 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment.
Grade mix: 24 E1-E4, 42 E5-E6, 3 E7-E9. Total: 69.

11. REQUIREMENT: 496 PN. ADEQUATE: 230 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting spaces for 69 bachelor enlisted personnel. (New mission.)
REQUIREMENT: Adequate housing for 496 enlisted personnel in grades E1-E9 assigned to the Battleship Surface Action Group (BBSAG) at Staten Island.
CURRENT SITUATION: There is presently housing for 230 bachelor enlisted personnel under construction at Ft. Wadsworth. This project provides for 69 billeting spaces. There is a remaining new construction deficiency of 197 billeting spaces which will be programed for construction in a subsequent fiscal year.
IMPACT IF NOT PROVIDED: Adequate billeting will not be available for all enlisted personnel assigned permanent duty with the BBSAG, Staten Island.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL STATION, NEW YORK, NEW YORK	
4. PROJECT TITLE	**5. PROJECT NUMBER**
BACHELOR ENLISTED QUARTERS	P-092

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	11-84
(b)	Percent Complete as of January 1989	100
(c)	Date Design 35% Complete	11-85
(d)	Date Design Complete	3-87

(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	(0)
(b)	All Other Design Costs	(30)
(c)	Total	30
(d)	Contract	(30)
(e)	In-house	(0)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, NEW YORK, NEW YORK	CHILD CARE CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	740.74	P-091	3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD CARE CENTER	SF	13,370	121.00	1,620
SUPPORTING FACILITIES	-	-	-	1,080
ELECTRICAL UTILITIES	LS	-	-	(90)
MECHANICAL UTILITIES	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT	LS	-	-	(770)
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

One-story steel-frame building, masonry walls, concrete foundation and floor, steel-frame supported composition roof; fire protection and security systems, air conditioning, utilities; outdoor playgrounds.

11. REQUIREMENT: 13,370 SF. ADEQUATE 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a child care center at Ft. Wadsworth. (New mission.)
REQUIREMENT: A child care center to provide 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: Child care facilities do not exist at the Ft. Wadsworth or Stapleton sites. Working military parents must use civilian child care establishments that are expensive, inconvenient, and unable to accommodate the unique schedules and needs of the military family.
IMPACT IF NOT PROVIDED: Inadequate facilities for day care of pre-school children will adversely effect morale and retention of military personnel.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, NEW YORK, NEW YORK

4. PROJECT TITLE	5. PROJECT NUMBER
CHILD CARE CENTER	P-091

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 1989..... 35
(c) Date Design 35% Complete..... 7-86
(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..... (175)
(b) All Other Design Costs..... (120)
(c) Total..... 295
(d) Contract..... (285)
(e) In-house..... (10)

(4) Construction start..... 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, NEW YORK, NEW YORK	UTILITIES AND SITE IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	932.20	P-090	18,040

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITIES AND SITE IMPROVEMENTS	LS	-	-	16,290
PAVING AND SITE IMPROVEMENT	LS	-	-	(9,940)
ELECTRICAL UTILITIES	LS	-	-	(2,650)
MECHANICAL UTILITIES	LS	-	-	(3,340)
DEMOLITION	LS	-	-	(360)
SUBTOTAL	-	-	-	16,290
CONTINGENCY (5%)	-	-	-	810
TOTAL CONTRACT COST	-	-	-	17,100
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	940
TOTAL REQUEST	-	-	-	18,040
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Roads, parking, curbs and sidewalks; water, gas, heat, electric and telephone distribution; storm drainage; sanitary sewer; paved storage areas; security fencing; gate houses; street and area lighting; signage; realignment and repair of paved areas; demolition of excess structures.

11. REQUIREMENT: As Required.
PROJECT: Provides roads, utilities, and site improvements. (New mission.)
REQUIREMENT: Adequate roads, utility services and site improvements to serve buildings and structures programmed to support the Battleship Surface Action Group.
CURRENT SITUATION: Utility and road systems are either inadequate or non-existent.
IMPACT IF NOT PROVIDED: Road access, storm drainage, and utility services will not be available to facilitate building construction or enable occupancy of new buildings.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, NEW YORK, NEW YORK

4. PROJECT TITLE	5. PROJECT NUMBER
UTILITIES AND SITE IMPROVEMENTS	P-090

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	12-86
(b)	Percent Complete as of January 1989	100
(c)	Date Design 35% Complete	5-87
(d)	Date Design Complete	10-88

(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	(745)
(b)	All Other Design Costs	(375)
(c)	Total	1120
(d)	Contract	(1075)
(e)	In-house	(45)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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		21,210
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		41,580
f. PLANNED IN NEXT THREE PROGRAM YEARS		100,010
g. REMAINING DEFICIENCY		361,490
h. GRAND TOTAL		1,204,860

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	MECHANICS TRNG BLDG-INC II	47,700 SF	4,400	05/85	10/87
217.10	ELEC COMMS MAINT SHOP	44,520 SF	4,200	05/87	08/88
217.10	ELEC COMM MAINT SHOP	58,410 SF	7,200	12/87	04/89
722.10	MESS HALL	31,000 SF	5,410	08/85	02/87
	TOTAL		21,210		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
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		
B. MAJOR PLANNED NEXT THREE YEARS					
124.50	VEHICLE READY FUEL STORAGE	154,000 GA	1,800		

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 90 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	217.10	P-229	4,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP.	SF	44,520	-	2,950
BUILDING	SF	44,520	62.00	(2,750)
BUILT-IN EQUIPMENT	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	840
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(240)
UTILITIES.	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(400)
SUBTOTAL	-	-	-	3,790
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST.	-	-	-	3,980
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	220
TOTAL REQUEST.	-	-	-	4,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, pile foundation, engineered fill, concrete floor, built-up roof over insulation, compressed air, 400 Hz electric power, grounding, shielding, security fencing, fire protection system, air conditioning, utilities; remove railroad tracks, pumping station, and steam distribution system.

11. REQUIREMENT: 44,520 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs an electronics and communications maintenance shop. (Current mission.)

REQUIREMENT: An adequate and properly configured maintenance facility to effectively execute the prescribed electronics and communications maintenance program for an artillery regiment of the Second Marine Division. This regiment repairs and stores over 8,000 pieces of equipment, and supports the mission of calibrating and repairing electronic test equipment. The workload is projected to increase as the present equipment becomes older and new items are introduced into the system.

CURRENT SITUATION: The maintenance program is being performed in inadequate buildings constructed in the 1940's and metal buildings constructed in the 1950's. These facilities are inadequate and inefficient as electronics communications shops for use in maintenance of modern sophisticated equipment and cannot be economically upgraded.

IMPACT IF NOT PROVIDED: Deadline time on electronic equipment for personnel and vehicles will remain adversely affected and maintenance capability and combat readiness will continue to be impaired.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 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 SHOP	P-229

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 1989	100
(c) Date Design 35% Complete	9-87
(d) Date Design Complete	8-88

(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	(65)
(c) Total	265
(d) Contract	(230)
(e) In-house	(35)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	217.10	P-644	7,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP.	SF	58,410	-	4,100
BUILDING	SF	58,410	65.00	(3,800)
BUILT-IN EQUIPMENT	LS	-	-	(220)
TECHNICAL OPERATING MANUALS.	LS	-	-	(80)
SUPPORTING FACILITIES	-	-	-	2,400
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(130)
ELECTRICAL UTILITIES	LS	-	-	(100)
MECHANICAL UTILITIES	LS	-	-	(370)
PAVING AND SITE IMPROVEMENT, DEMOLITION.	LS	-	-	(1,800)
SUBTOTAL	-	-	-	6,500
CONTINGENCY (5%)	-	-	-	330
TOTAL CONTRACT COST.	-	-	-	6,830
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	370
TOTAL REQUEST.	-	-	-	7,200
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 over insulation on concrete decking, roll-up doors, high-bay area with bridge cranes, monorail and hoists, compressed air, 400 Hz electric power, grounding, shielding, exhaust system, wash aprons, grease rack, hazardous flammable storage, security fencing, perimeter lighting, fire protection system, air conditioning, utilities; demolition of three buildings.

11. REQUIREMENT: 58,410 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a facility in which to perform maintenance on organic communications gear and combat vehicles. (Current mission.)
REQUIREMENT: Adequate and properly-configured facilities to accommodate the Second Marine Division Infantry Regiment in performing the required maintenance on communication equipment and combat vehicles. A facility is also required to maintain over 1,400 pieces of the regiment's radio and wire field communication equipment, including 40 vehicle-mounted pieces. This facility will employ over 400 people to service and perform maintenance on the communications equipment and 85 organic tactical vehicles.
CURRENT SITUATION: The Second Marine Division Infantry Regiment is now performing combat vehicle maintenance in a facility designed for smaller vehicles and lacking common maintenance support features such as hydraulic

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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 SHOP	P-644

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
lifts, grease lines, high ceiling and door heights. Communication and electronics maintenance is now being performed in four different facilities constructed in 1942. These buildings cannot be made adequate because they lack the proper ceiling and door height, bay size, electrical service, lighting, work space, environmental controls, storage, and parking space required for mobile field communication vehicles.
IMPACT IF NOT PROVIDED: Work will continue to be done in inadequate facilities causing protracted maintenance efforts with a resulting increase in deadlined equipment, adversely affecting the regiment's combat readiness posture.

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..... 12-87
- (b) Percent Complete as of January 1989..... 50
- (c) Date Design 35% Complete..... 6-88
- (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..... (0)
- (b) All Other Design Costs..... (390)
- (c) Total..... 390
- (d) Contract..... (35)
- (e) In-house..... (355)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 19 90 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 II)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	171.20	P-809	4,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MECHANICS TRAINING BUILDING.	SF	47,700	-	3,210
BUILDING	SF	47,700	60.00	(2,850)
BUILT-IN EQUIPMENT	LS	-	-	(360)
SUPPORTING FACILITIES.	-	-	-	760
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(50)
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(710)
SUBTOTAL	-	-	-	3,970
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST.	-	-	-	4,170
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	230
TOTAL REQUEST.	-	-	-	4,400
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 system, fire protection system, air conditioning, utilities; stormwater run-off containment measures.

11. REQUIREMENT: 74,660 SF. ADEQUATE: 26,960 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs applied and academic instruction facilities for the Marine Corps Mechanics School. This project is the second of three increments. (Current mission.)
REQUIREMENT: Adequate facilities for training military personnel in second, third, and fourth echelon maintenance of Marine Corps equipment. This facility will provide academic and applied instruction space for combat vehicle transmissions, power transfer units, power train units, and space for organizational maintenance training for battalion level mechanics in the combat and combat support field units. The third increment will complete the requirement. The present facilities are used to capacity, and it is anticipated that the workload will increase as the new field logistics system is introduced.
CURRENT SITUATION: The mechanics school has a full-time instructing staff of 58, including military and civilian personnel. Over 400 operational vehicles of all types are dismantled and reassembled in the school. The mechanics school is now being operated in a varied assortment of inadequate

(Continued on DD 1391c)

1. COMPONENT	FY 1990 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 II)	P-809

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
40-year old buildings scattered throughout the Montford Point area. Some are abandoned barracks, messhalls, warehouses, and temporary metal buildings. These buildings are not properly configured and lack adequate utility systems.
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, such as the light assault vehicle and the high mobility multi-purpose wheeled vehicle.

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..... 5-85
- (b) Percent Complete as of January 1989..... 100
- (c) Date Design 35% Complete..... 4-86
- (d) Date Design Complete..... 10-87

(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..... (180)
- (b) All Other Design Costs..... (35)
- (c) Total..... 215
- (d) Contract..... (205)
- (e) In-house..... (10)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	MESS HALL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	722.10	P-663	5,410

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MESS HALL	SF	31,000	-	4,110
BUILDING	SF	31,000	110.00	(3,400)
BUILT-IN EQUIPMENT	LS	-	-	(710)
SUPPORTING FACILITIES	-	-	-	780
UTILITIES	LS	-	-	(450)
PAVING AND SITE IMPROVEMENT	LS	-	-	(330)
SUBTOTAL	-	-	-	4,890
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST	-	-	-	5,130
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	280
TOTAL REQUEST	-	-	-	5,410
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 31,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a centrally-located, consolidated mess hall, with a fast food service area, for the Marine Corps Service Support Schools and the Navy Field Medical School. (Current mission.)

REQUIREMENT: Adequate food preparation and serving facilities to accommodate an enlisted student loading of 2,213 and a staff of 305 enlisted personnel. The Marine Corps Service Support Schools and the Navy Field Medical School are located at Camp Johnson, an isolated camp on the north border of Camp Lejeune. The formal schools are mechanics school, staff NCO school, driver training school, food services school, personnel and administrative schools, and a Navy field medical school. The facility will be utilized 18 hours a day, seven days a week.

CURRENT SITUATION: Food preparation and serving of meals is conducted in two 40-year old facilities. An applied instruction building where the noon meal was transported to personnel in a remote area was recently declared unsanitary, further aggravating the feeding situation. The main mess hall is overcrowded and overtaxed, with prolonged serving times, as much as a two hour wait. This facility will be converted into a food service school. A subordinate mess hall will be converted into an applied instruction building.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
MESS HALL	P-663

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Prolonged serving times will continue, cutting into valuable training time and taxing resources. The transporting of meals will continue to be an expensive burden.

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..... 8-85
- (b) Percent Complete as of January 1989..... 100
- (c) Date Design 35% Complete..... 12-85
- (d) Date Design Complete..... 2-87

(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 ..... (195)
- (b) All Other Design Costs..... (65)
- (c) Total..... 260
- (d) Contract..... (225)
- (e) In-house..... (35)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 1990 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		23,820
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		10,400
f. PLANNED IN NEXT THREE PROGRAM YEARS		31,440
g. REMAINING DEFICIENCY		254,530
h. GRAND TOTAL		743,620

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	APPLIED INSTR FACILITIES	72,770 SF	5,350	11/84	08/89
179.10	A/C BOMBING RNG MODS-INCII	LS	1,800	04/88	05/89
721.11	BACHELOR ENLISTED QUARTERS	104,500 SF	13,070	12/87	08/89
872.15	FLIGHT LINE SECURITY IMPRS	LS	3,600	04/88	09/89
	TOTAL		23,820		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

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		

B. MAJOR PLANNED NEXT THREE YEARS:

211.06	MAINT HANGAR RENMOVATION	35,150 SF	4,250
441.12	AVIATION SUPPLY WAREHOUSE	14,800 SF	1,150

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 90 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 MODIFICATIONS (INCREMENT II)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	179.10	P-048	1,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT BOMBING RANGE MODIFICATIONS	LS	-	-	1,620
SUBTOTAL	-	-	-	1,620
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,700
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	100
TOTAL REQUEST.	-	-	-	1,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(8,800)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Commercial electric power supply from local utility to main substation; upgrade substation and existing secondary distribution system to the sites; site preparation for the last major location.

11. REQUIREMENT: As Required.

PROJECT: Provides commercial power to accommodate expansion of the Mid-Atlantic Electronic Warfare Range located on the northern end of Piney Island. (Current mission.)

REQUIREMENT: Expansion of the bombing range and the placement of 44 electronic warfare (EW) threat simulators in configuration to simulate the threat which may be encountered during an operation. Installation of 15 EW emitters on the bombing range, eight tower platforms, shore access, and electric power distribution systems are included. Eleven major locations will be developed to install the emitters. The first increment approved in the FY 1989 MILCON Program prepared the sites and provided the ten-foot high platforms on which the simulator equipment will be placed for the first ten locations. This increment will complete the eleventh major location for the installation of the emitters. The bombing range presently serves as the major bombing range for the Mid-Atlantic Coast in support of Navy, Air Force, and Marine Corps training missions. 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

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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 MODIFICATIONS (INCREMENT II)	P-048

11. REQUIREMENT: (Continued)
simulations. Because of the limitations presented by radiation hazard clearances, the individual sites must be spaced to allow for personnel safety. 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 bombing range is configured as a traditional bombing range using bulls-eye 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 will not have a source of commercial power and therefore will be unusable. This project does not diminish the Marine Corps need for Townsend Range, Darian, Georgia, which is used by attack aircraft based at Beaufort, South Carolina.

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 1989..... 50
- (c) Date Design 35% Complete..... 7-88
- (d) Date Design Complete..... 5-89

(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..... (45)
- (b) All Other Design Costs..... (15)
- (c) Total..... 60
- (d) Contract..... (55)
- (e) In-house..... (5)

(4) Construction start..... 1-90 (month and year)

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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 MODIFICATIONS (INCREMENT II)	P-048

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)
Threat Emitters	OPN	1986	5,000
Communication Equipment	OPN	1988	2,800
Threat Emitters	OPN	1990	1,000
		TOTAL	8,800

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	APPLIED INSTRUCTION FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	171.20	P-821	5,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
APPLIED INSTRUCTION FACILITIES	SF	72,770	-	4,510
APPLIED INSTRUCTION BUILDING	SF	65,610	61.00	(3,990)
NBC SCHOOL	SF	7,160	61.00	(440)
BUILT-IN EQUIPMENT	LS	-	-	(80)
SUPPORTING FACILITIES	-	-	-	320
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(120)
SUBTOTAL	-	-	-	4,830
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST	-	-	-	5,070
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	280
TOTAL REQUEST	-	-	-	5,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One one-story and one two-story steel frame buildings, pile foundations, concrete floors, masonry walls with brick facing, built-up roofs on insulation over metal decking, administration, classrooms, high-bay storage, fire protection system, air conditioning, utilities; well; sound attenuation; demolition of one building.

11. REQUIREMENT: 143,120 SF. ADEQUATE: 70,350 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs consolidated training facilities including a nuclear, biological, and chemical defensive training school (NBC School). (Current mission.)
REQUIREMENT: Adequate and properly-configured applied and academic instruction areas, educational services, training-aid preparation space, high-bay storage area, training directorate support and administrative space. There are more than ten military training schools operating at Cherry Point, and all require a formal learning environment free from noise and distractions.
CURRENT SITUATION: Applied and academic instruction classrooms and administrative functions presently occupy spaces in a building built in 1954. The building is inadequate because of poor lighting and ventilation, insufficient sound attenuation, and overall deterioration. Schools that cannot be accommodated in the central facility are scattered on the activity in inadequate facilities unsuited for an adequate learning environment.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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
APPLIED INSTRUCTION FACILITIES	P-821

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Formal learning environment free of noise and distraction will not be available, providing a negative influence on the 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..... 11-84
- (b) Percent Complete as of January 1989..... 40
- (c) Date Design 35% Complete..... 11-88
- (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..... (170)
- (c) Total..... 330
- (d) Contract..... (270)
- (e) In-house..... (60)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	721.11	P-012	13,070

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	104,500	67.00	7,000
SUPPORTING FACILITIES	-	-	-	4,800
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(780)
ELECTRICAL UTILITIES	LS	-	-	(1,010)
MECHANICAL UTILITIES	LS	-	-	(950)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,230)
DEMOLITION	LS	-	-	(830)
SUBTOTAL	-	-	-	11,800
CONTINGENCY (5%)	-	-	-	590
TOTAL CONTRACT COST	-	-	-	12,390
SUPERVISION, INSPECTION & OVERHEAD (5.5)	-	-	-	680
TOTAL REQUEST	-	-	-	13,070
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 system, air conditioning, utilities; 132 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; demolition of four buildings, asbestos removal; stormwater containment measures.
Grade mix: 344 E1-E4, 40 E5, 26 E6-E9. Total: 410.

11. REQUIREMENT: 4,683 PN. ADEQUATE: 1,714 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for enlisted personnel. (Current mission.)
REQUIREMENT: Adequate housing for unaccompanied enlisted personnel. This is the fifth in a series of projects planned to satisfy this deficiency.
CURRENT SITUATION: Eighteen percent of the unaccompanied enlisted Marines are billeted in adequate quarters, 65 percent are billeted in inadequate quarters, and 17 percent have no quarters available on-station. The existing quarters are 40-year old buildings which cannot be economically modernized. There is a deficiency of 2,969 adequate billeting spaces at this station.
IMPACT IF NOT PROVIDED: Maintenance costs will increase over time as the condition of the existing buildings decline. Major building renovations will be required to maintain the existing condition of the buildings. Personnel will continue to reside in inadequate housing off-base or in overcrowded, inadequate quarters on-base. This situation reduces command control and impairs readiness.
(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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
BACHELOR ENLISTED QUARTERS	P-012

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	12-87
(b) Percent Complete as of January 1989	50
(c) Date Design 35% Complete	9-88
(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	(0)
(b) All Other Design Costs	(1325)
(c) Total	1325
(d) Contract	(25)
(e) In-house	(1300)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	FLIGHT LINE SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	872.15	P-889	3,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLIGHT LINE SECURITY IMPROVEMENTS.	LS	-	-	3,250
SECURITY FENCING	LF	62,000	27.00	(1,650)
PAVING AND SITE IMPROVEMENT.	SY	33,500	22.00	(750)
UTILITIES.	LS	-	-	(850)
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

Flight line and airfield security fencing; electrical distribution and supports for intrusion detection system; security lighting; paving; utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides improved physical security for the flight line and supporting operational facilities. (Current mission.)

REQUIREMENT: Adequate facilities to correct security deficiencies on the flight line and for other facilities which directly support aircraft operations. To increase security, fencing is necessary to limit access to the flight line, and intrusion detection systems are needed for areas on the flight line which cannot be fenced. New lighting along the fence is essential for night observation. Correct security deficiencies outside the immediate flight line area to provide defense-in-depth, and protect high-value operational facilities such as fuel farms, pump station, communications, navigation, and radar complexes, critical to air operations.

CURRENT SITUATION: There are few physical barriers limiting access to the flight line or its supporting facilities, including fuel pumping stations. Aircraft are parked on the unfenced flight line. No intrusion detection systems exist, and there are no identification and personnel movement control systems to limit access to the flight line and related supporting operational activities.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 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
FLIGHT LINE SECURITY IMPROVEMENTS	P-889

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The flight line and related critical support activities will continue to be vulnerable to the potential threat of sabotage, espionage, pilferage, and vandalism. These actions will impact directly on Fleet Marine Force operations. The assets involved are individually high-cost aircraft vital to the National Defense effort. Lead time to replace loss of these assets could seriously jeopardize Fleet Marine Force 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..... 4-88
- (b) Percent Complete as of January 1989..... 35
- (c) Date Design 35% Complete..... 10-88
- (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..... (110)
- (b) All Other Design Costs..... (10)
- (c) Total..... 120
- (d) Contract..... (110)
- (e) In-house..... (10)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS AIR STATION, NEW RIVER, 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	37	279	234	91	37	0	647	4063	40	5428
b. END FY 1994	48	346	128	91	37	0	554	3646	112	4962

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,740)	
b. INVENTORY TOTAL AS OF 30 SEP 88		52,730
c. AUTHORIZATION NOT YET IN INVENTORY		44,290
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		21,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		13,780
g. REMAINING DEFICIENCY		93,240
h. GRAND TOTAL		225,140

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	AVIATION MAINT TRNG BLDG	44,000 SF	6,000	11/87	09/89
171.35	OPERATIONAL TRNR FAC	41,000 SF	7,400	12/87	09/89
211.05	MAINT HANGAR ADDITIONS	41,600 SF	5,200	12/87	07/89
872.15	FLIGHT LINE SECURITY IMPRS	LS	2,500	09/85	08/87
	TOTAL		21,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

121.10	ACFT RAPID REFUEL STA	LS	5,100
740.43	PHYSICAL FITNESS CENTER	21,000 SF	2,400
217.10	OPERATIONS/MAINT SHOP	LS	780
116.15	AIRCRAFT RINSE FACILITY	LS	500
211.54	AVIATION ARMAMENT SHOPS	21,400 SF	2,900

10. MISSION OR MAJOR FUNCTIONS:

Provides facilities, services, and material necessary to support major rotary wing elements of a Marine Aircraft Wing, including aircraft maintenance and air traffic control, operation and maintenance of outlying fields and confined area landing sites necessary for the operational training of helicopter air crews.

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 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA	AVIATION MAINTENANCE TRAINING BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	171.20	P-525	6,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION MAINTENANCE TRAINING BUILDING . . .	SF	44,000	-	4,290
BUILDING	SF	44,000	79.00	(3,480)
BUILT-IN EQUIPMENT	LS	-	-	(810)
SUPPORTING FACILITIES.	-	-	-	1,130
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(260)
UTILITIES.	LS	-	-	(400)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(470)
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

Two-story steel frame building, pile foundation, concrete floors, masonry walls, built-up roof on insulation over metal decking, administration, classrooms, repair training rooms, 400 HZ electric power, high-bay area with monorail hoist and bridge crane, compressed air system, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 70,070 SF. ADEQUATE: 26,070 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an aviation maintenance training building with high-bay spaces and hoist to support introduction of MV-22 aircraft to New River in 1991. (New mission.)
REQUIREMENT: Additional adequate training facilities to train aviation maintenance personnel to service and maintain the MV-22 aircraft and to house training equipment scheduled for delivery in 1991.
CURRENT SITUATION: Facilities are not available to absorb this new mission requirement. Existing facilities are used for CH-46 helicopter training and current planning is for continued use of CH-46 beyond the MV-22 delivery date, making them unavailable for even partial support. Currently, approximately 900 students per year use the existing facilities. This is only 60% of the 1,600 or more students anticipated with the MV-22 program. Because existing spaces are already deficient, the school has to reject or delay requests for training.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
AVIATION MAINTENANCE TRAINING BUILDING	P-525

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: New River will be unable to support MV-22 maintenance training and house the new training devices being procured. Maintenance personnel would have to receive their training at an alternate site at considerably higher costs to the Marine Corps, with no opportunity for special or refresher 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	11-87
(b)	Percent Complete as of January 1989	75
(c)	Date Design 35% Complete	10-88
(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	(175)
(b)	All Other Design Costs	(175)
(c)	Total	350
(d)	Contract	(300)
(e)	In-house	(50)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA	FLIGHT LINE SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	872.15	P-496	2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLIGHT LINE SECURITY IMPROVEMENTS.	LS	-	-	2,260
SECURITY FENCING	LF	17,660	29.00	(520)
UTILITIES.	LS	-	-	(1,300)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(440)
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

Perimeter fencing; security lighting; electrical distribution and supports for intrusion detection system, utilities.

11. REQUIREMENT: As Required.
PROJECT: Provides improved physical security for the flight line and the remote fuel farm. (Current mission.)
REQUIREMENT: Adequate facilities including lighting, fencing, sensors and an intrusion detection system to correct security deficiencies on the flight line and in facilities which directly support aircraft operations. Improved security around the flight line and fuel storage facilities to protect expensive aircraft and stored fuel and petroleum assets from terrorism and vandalism. Terrorism around the world is on the increase. Targets include US Military installations, equipment, and personnel. Fencing is required to limit access to the flight line and the fuel farm. Where fencing is not feasible, an intrusion detection system will be utilized. New lighting is essential to ensure adequate security.
CURRENT SITUATION: There are few physical barriers limiting access to the flight line or its supporting facilities. Approximately 200 aircraft are parked on the unfenced flight line exposed to potential terrorist attack. No intrusion detection systems are utilized in these areas, and there are no identification and personnel movement control systems to limit access to the flight line and related supporting activities. The station lacks an

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
FLIGHT LINE SECURITY IMPROVEMENTS	P-496

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
adequate security system necessary for the intrusion detection and access control of personnel to high security areas.
IMPACT IF NOT PROVIDED: The flight line and related critical support activities and fuel farm facilities will continue to be vulnerable to the potential threat of sabotage, espionage, pilferage, and vandalism. These actions will impact directly on the Fleet Marine Force operations. The assets involved are individually high-cost aircraft vital to the National Defense effort. Lead time to replace loss of these assets could seriously jeopardize Fleet Marine Force 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	9-85
(b) Percent Complete as of January 1989	100
(c) Date Design 35% Complete	12-85
(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	(70)
(b) All Other Design Costs	(65)
(c) Total	135
(d) Contract	(120)
(e) In-house	(15)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA	MAINTENANCE HANGAR ADDITIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	211.05	P-543	5,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGAR ADDITIONS	SF	41,600	-	4,420
BUILDING ADDITIONS	SF	41,600	95.00	(3,960)
BUILT-IN EQUIPMENT	LS	-	-	(460)
SUPPORTING FACILITIES	-	-	-	270
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(130)
UTILITIES, PAVING AND SITE IMPROVEMENT	LS	-	-	(140)
SUBTOTAL	-	-	-	4,690
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST	-	-	-	4,930
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	270
TOTAL REQUEST	-	-	-	5,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One and two-story steel frame building additions, concrete pile foundations and floors, masonry and metal wall panels, built-up roof on rigid insulation over metal deck, high-bay area with cranes, monorail and hoist, grounding system, fire protection system, air conditioning, utilities; aircraft access apron.

11. REQUIREMENT: 120,870 SF. ADEQUATE: 79,270 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs additions to a maintenance hangar to provide additional maintenance and administrative areas. (New mission.)
REQUIREMENT: Additional hangar space to conduct organizational maintenance and accommodate command and administrative functions for the CH-53E helicopter squadron.
CURRENT SITUATION: Maintenance on helicopters is currently performed in a hangar not large enough to allow the aircraft to fully enter without folding their tail section. This situation precludes all weather servicing of the full-range of systems on these aircraft.
IMPACT IF NOT PROVIDED: New River will not be able to adequately support aircraft maintenance. Maintenance functions will continue to be performed in overcrowded facilities. Combat efficiency and effectiveness are affected.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
MAINTENANCE HANGAR ADDITIONS	P-543

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	12-87
(b)	Percent Complete as of January 1989	90
(c)	Date Design 35% Complete	8-88
(d)	Date Design Complete	7-89

(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	(120)
(b)	All Other Design Costs	(55)
(c)	Total	175
(d)	Contract	(155)
(e)	In-house	(20)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA	OPERATIONAL TRAINER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	171.35	P-520	7,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL TRAINER FACILITY	SF	41,000	-	5,190
BUILDING	SF	41,000	83.00	(3,400)
BUILT-IN EQUIPMENT	LS	-	-	(1,710)
TECHNICAL OPERATING MANUALS	LS	-	-	(80)
SUPPORTING FACILITIES	-	-	-	1,490
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(250)
ELECTRICAL UTILITIES	LS	-	-	(580)
MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT	LS	-	-	(580)
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)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, pile foundation, concrete floors, masonry walls, built-up roof on insulation over metal decking, computer floor, administration, classrooms, 400HZ electric power, high-bay area with monorail, hoist, and bridge crane, elevator, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 63,340 SF. ADEQUATE: 22,340 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs facility to house three MV-22 Operational Flight Trainers (OFT) with an expected delivery date of 1991. (New mission.)
REQUIREMENT: Adequate and properly-configured facility to accommodate training equipment for operations of the MV-22 aircraft in a relatively safe, controlled, simulated environment. New mission requirements are being implemented to position MV-22 aircraft at New River. Commencement of pilot training must be accomplished as efficiently and effectively as possible so qualification training and operational readiness will not suffer.
CURRENT SITUATION: Existing facilities will continue to be used in support of simulator training for other types of aircraft.
IMPACT IF NOT PROVIDED: Overall squadron readiness and military readiness will suffer because of a lack of qualified pilots. There is no other alternative to satisfy this new mission requirement at New River.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONAL TRAINER FACILITY	P-520

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	12-87
(b) Percent Complete as of January 1989	75
(c) Date Design 35% Complete	10-88
(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	(175)
(b) All Other Design Costs	(200)
(c) Total	375
(d) Contract	(300)
(e) In-house	(75)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR DETACHMENT, TINKER AIR FORCE BASE, OKLAHOMA	CHIEF OF NAVAL OPERATIONS	.87

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	220	1027	0	0	0	0	5	4	0	1256

7. INVENTORY DATA ($000)

	TENANT OF TINKER
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	49,880
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	21,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	3,200
h. GRAND TOTAL	74,580

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.05	AC SUPPORT FACS (INCR III)	LS	21,500	09/88	07/89
	TOTAL		21,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide an airborne communication link with submerged ballistic missile carrying submarines during times of extreme national emergency. Operate and maintain aircraft employed to accomplish assigned mission.

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 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR DETACHMENT, TINKER AIR FORCE BASE, OKLAHOMA	AIRCRAFT SUPPORT FACILITIES (INCREMENT III)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101315N	211.05	P-090	21,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT SUPPORT FACILITIES	LS	-	-	14,920
MAINTENANCE HANGAR	SF	78,000	104.00	(8,110)
BACHELOR ENLISTED QUARTERS	SF	39,700	83.00	(3,300)
MESS HALL ADDITION	SF	11,000	137.00	(1,510)
CHILD CARE CENTER ADDITION	SF	7,200	42.00	(300)
FIRE STATION ADDITION	LS	-	-	(300)
BUILT-IN EQUIPMENT	LS	-	-	(1,400)
SUPPORTING FACILITIES	-	-	-	4,490
UTILITIES	LS	-	-	(2,700)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,790)
SUBTOTAL	-	-	-	19,410
CONTINGENCY (5%)	-	-	-	970
TOTAL CONTRACT COST	-	-	-	20,380
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	1,120
TOTAL REQUEST	-	-	-	21,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel-frame hangar building, concrete foundation and floors, masonry and corrugated metal walls, metal roof, power-operated sliding doors, overhead bridge cranes; four-story steel-frame and masonry bachelor enlisted quarters building, concrete foundation and floors, built-up roof, 52 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; one-story masonry mess hall addition, child care center addition, and fire station addition; fire protection systems, air conditioning and mechanical ventilation, utilities.
Grade mix: 208 E1-E4.

11. REQUIREMENT: As Required.
PROJECT: Provides aircraft and support facilities including maintenance, operations, bachelor housing, messing, child care center, and fire station. (New mission.)
REQUIREMENT: The HERMES (formerly TACAMO) aircraft provide command and control communications to fleet ballistic missile submarines. A central operations base is needed where two squadrons (Pacific and Atlantic) can be collocated to receive unique support requirements. The base will provide for contractor maintenance of aircraft, training, electronic maintenance, personnel support, and administration and squadron command. By 1990, the present EC-130 aircraft, which will have served the purpose for over 25 years, will be replaced with the E-6A, a variant of Boeing 707.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR DETACHMENT, TINKER AIR FORCE BASE, OKLAHOMA

4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT S PPORT FACILITIES (INCREMENT III)	P-090

11. REQUIREMENT: (Continued)

CURRENT SITUATION: The current EC-130 airframe is not large enough to accommodate newly-developed electronics equipment, necessitating acquisition of larger airframes. The present squadrons are based at Barbers Point, Hawaii, and Patuxent River, Maryland. They do not operate from these bases, but from deployment sites along the west coast and near the east coast of the continent, from Iceland to the Caribbean. The facilities now used cannot support the maintenance and training that is needed for the new HERMES aircraft. Tinker AFB was selected because of its central location and because E-3 AWACS aircraft, another version of the Boeing 707, were already supported there. Although specific Navy operations space, training, and maintenance facilities are not available, there is much that is provided, including runways, air traffic control, fire and crash, and many support facilities, all without new expenditures.

IMPACT IF NOT PROVIDED: The exercise of command and control over important Navy strategic forces will be attempted at split locations, without central training and maintenance facilities, or in temporary facilities until hangars, logistic support facilities, and other construction can be provided.

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 1989	35
(c) Date Design 35% Complete	1-89
(d) Date Design Complete	7-89

(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	(2995)
(b) All Other Design Costs	(480)
(c) Total	3475
(d) Contract	(3465)
(e) In-house	(10)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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	4008	4076	1353	982	0	10	68	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		8,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,350
f. PLANNED IN NEXT THREE PROGRAM YEARS		31,690
g. REMAINING DEFICIENCY		136,250
h. GRAND TOTAL		379,820

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	ELECT DISTRIBUTION SYSTEM	LS	8,000	08/88	07/89
	TOTAL		8,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

822.12	STEAM DISTR SYSTEM UPGRADE	LS	6,350	11/88	01/90
	TOTAL		6,350		

B. MAJOR PLANNED NEXT THREE YEARS:

813.20	ELEC DIST SYS UPGRD-PH II	LS	3,500
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

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 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND	ELECTRICAL DISTRIBUTION SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	812.30	P-365	8,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM	LS	-		7,220
SUBSTATIONS	KV	4,600	274.00	(1,260)
PRIMARY DISTRIBUTION LINES	LS	-	-	(4,940)
SECONDARY DISTRIBUTION LINES	LS	-	-	(1,020)
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

Install 27KV/15KV/600V distribution system including substations, aerial, underground, and submarine feeders, oil switches, oil fuse cutouts, transformers, manholes, handholes, duct lines.

11. REQUIREMENT: As Required.
PROJECT: Upgrades the electrical distribution system. (Current mission.)
REQUIREMENT: Adequate base transmission lines and substations carrying electric power purchased from the local utility company from point of entry on the base to the station's principal electrical load centers.
CURRENT SITUATION: A majority of the station's high-voltage electrical system dates from the 1940's and has exceeded its normal life expectancy. The station is beginning to experience an increase in electrical failures and unanticipated maintenance. This condition can only become worse until the system is upgraded and modernized. This station is host to a number of tenant activities, including the Naval War College, the Undersea Systems Center, the Officers Candidate School, the Chaplains School, the Surface Warfare Officers School, the School of Justice, the Senior Enlisted Academy, and a naval hospital. Several ships of the Atlantic Fleet are homeported here. Brownouts and blackouts are extremely disruptive to the functioning of all these activities and ships.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 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
ELECTRICAL DISTRIBUTION SYSTEM	P-365

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Excessive maintenance will continue. Disruptions to activity and tenant organizations will continue. Catastrophic failure would severely and adversely affect many of the base schools and commands for an extended period of time.

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 1989..... 35
- (c) Date Design 35% Complete..... 10-88
- (d) Date Design Complete..... 7-89

(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..... (430)
- (b) All Other Design Costs..... (40)
- (c) Total..... 470
- (d) Contract..... (430)
- (e) In-house..... (40)

(4) Construction start..... 11-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA	COMMANDANT OF THE MARINE CORPS	.93

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	67	433	448	0	15	0	267	2540	275	4045
b. END FY 1994	63	450	451	0	157	0	311	2911	146	4489

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(10,858)	
b. INVENTORY TOTAL AS OF 30 SEP 88		105,640
c. AUTHORIZATION NOT YET IN INVENTORY		4,990
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,920
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		25,450
g. REMAINING DEFICIENCY		25,350
h. GRAND TOTAL		172,850

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.54	AVIATION ARMAMENT SHOP	34,060 SF	3,950	05/88	06/89
740.74	CHILD CARE CENTER	LS	970	03/84	05/85
	TOTAL		4,920		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

721.11	BACHELOR ENLISTED QUARTERS	72,410 SF	6,500	02/86	10/90
	TOTAL		6,500		

B. MAJOR PLANNED NEXT THREE YEARS:

141.70	AIR TRAFFIC CTRL TOWER	LS	2,600
721.12	BACH ENLISTED QTRS PH II	72,410 SF	6,900
116.35	ACFT ARMING/DEARMING PADS	23,200 SY	1,750
721.11	BEQ PH III	350 PN	8,900

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities to support flight operations; operation and maintenance of assigned aircraft; and provide services and material to support operations of a Marine Aircraft Wing and/or units thereof; and other activities and units as designated by the Commandant of the Marine Corps, in coordination with the Chief of Naval Operations.

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

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	70
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA	AVIATION ARMAMENT SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	211.54	P-375	3,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION ARMAMENT SHOP	SF	34,060	-	2,380
ARMAMENT SHOP	SF	12,950	69.00	(890)
BUILDING ALTERATIONS	SF	15,310	31.00	(470)
EQUIPMENT BUILDING	SF	5,800	27.00	(160)
CONCRETE APRON	SY	21,000	41.00	(860)
SUPPORTING FACILITIES	-	-	-	1,180
ELECTRICAL UTILITIES	LS	-	-	(380)
MECHANICAL UTILITIES	LS	-	-	(440)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(360)
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, concrete floor and foundation, masonry walls, metal roof, 28 V DC and 400 Hz electric power supply, fire protection system, air conditioning; building conversion and alterations; equipment building, steel frame, concrete floor and foundation, metal roof; concrete aircraft parking apron, van pads, and target resolution pad; security lighting system; new water wells and storage tanks; sewer system; demolition of two buildings.

11. REQUIREMENT: 34,060 SF. ADEQUATE: 0 SF. SUBSTANDARD: (15,310) SF.
PROJECT: Constructs aviation armament shop, equipment building, aviation van pad; modifies one aircraft hangar; upgrades airfield parking and lighting. (New mission.)
REQUIREMENT: Adequate and properly-configured facilities to accommodate an additional 16-plane squadron of F/A-18 aircraft scheduled for homeporting in 1991. Additionally, the Tactical Aircrew Combat Training System (TACTS) to be operational in 1990, will significantly increase the number of visiting aircraft, and the aircraft parking apron requirements.
CURRENT SITUATION: Aircraft presently assigned to Beaufort include six 12-plane F/A-18 squadrons with one squadron rotationally deployed at all times, a five-plane TA-4 squadron, two C-12 aircraft and three HH-46 SAR helicopters. The additional squadron of 16 F/A-18 aircraft will increase total aircraft assets by 20 percent. The aviation armament shop, presently occupying space in a hangar, will be displaced. The current

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
AVIATION ARMAMENT SHOP	P-375

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
parking apron configuration is not efficient and cannot accommodate all F/A-18 aircraft. The turning radii off taxiways at several locations cannot adequately accommodate ingress and egress of larger aircraft without having ground personnel remove edge lights.
IMPACT IF NOT PROVIDED: The aviation armament organization will have no facilities. F/A-18 aircraft will continue to be parked in violation of criteria. Aircraft will continue to exit off-ramps over edge lights and will be restricted to remote and reduced parking areas. Optimal use of the TACTS will be impacted without adequate parking area for visiting 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..... 5-88
- (b) Percent Complete as of January 1989..... 50
- (c) Date Design 35% Complete..... 10-88
- (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..... (170)
- (b) All Other Design Costs..... (15)
- (c) Total..... 185
- (d) Contract..... (20)
- (e) In-house..... (165)

(4) Construction start..... 12-89 (month and year)

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

1. COMPONENT	FY 1990 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		700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		42,500
h. **GRAND TOTAL**		90,720

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
811.60	EMERGENCY GENERATORS	LS	700	08/87	11/87
	TOTAL		700		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

441.72	FLEET SUPPLY SPT STORE	36,230 SF	3,200	11/88	01/90
	TOTAL		3,200		

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 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, MEMPHIS, TENNESSEE	CHIEF OF NAVAL EDUCATION AND TRAINING	.94

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	279	2862	1461	22	6652	0	0	5	0	11281
b. END FY 1994	296	3152	1524	13	8144	0	0	5	0	13134

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,500)	
b. INVENTORY TOTAL AS OF 30 SEP 88		168,190
c. AUTHORIZATION NOT YET IN INVENTORY		39,440
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		36,620
g. REMAINING DEFICIENCY		115,360
h. GRAND TOTAL		369,610

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.14	BARRACKS	114,700 SF	10,000	09/88	08/89
	TOTAL		10,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

171.20	A/C FIRE/RESCUE SCHOOL	43,420 SF	6,600
179.45	TRAINING MOCK-UP	LS	900
179.45	FIRE MATERIAL MOCKUP	LS	770
111.10	RUNWAY REPAIR	LS	2,410
111.10	RUNWAY IMPROVEMENTS	LS	4,650

10. MISSION OR MAJOR FUNCTIONS:
Maintain and operate facilities and provide services and materials to support operations of aviation activities and units of the Naval Education and Training Command.

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

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	9,500
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, MEMPHIS, TENNESSEE	BARRACKS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	721.14	P-033	10,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BARRACKS	SF	114,700	69.00	7,920
SUPPORTING FACILITIES	-	-	-	1,110
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(130)
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(380)
PAVING AND SITE IMPROVEMENT	LS	-	-	(400)
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

Two three-story reinforced concrete frame buildings, pile foundations, concrete floors, masonry walls with brick facing, built-up roof on rigid insulation, fire protection system, air conditioning, utilities; modified-open-bay living compartments concept.
Grade mix: 720 E1-E4. Total: 720.

11. REQUIREMENT: 6,851 PN. ADEQUATE: 5,737 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for 720 enlisted students assigned to Navy basic "A" schools. (Current mission.)
REQUIREMENT: Adequate housing for 6,851 "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 5,737 spaces exist on base. A new construction deficiency of 1,114 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 unprogrammed. All projected space requirements are revalidated annually by a new survey which updates planning projections.
IMPACT IF NOT PROVIDED: Overcrowding of adequate student berthing spaces will continue, with some students housed in facilities below the minimum standards of adequacy, to the detriment of morale, training, and career retention efforts.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, MEMPHIS, TENNESSEE

4. PROJECT TITLE	5. PROJECT NUMBER
BARRACKS	P-033

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 1989	35
(c)	Date Design 35% Complete	11-88
(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	(265)
(b)	All Other Design Costs	(35)
(c)	Total	300
(d)	Contract	(290)
(e)	In-house	(10)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, GALVESTON, TEXAS	COMMANDER IN CHIEF, ATLANTIC FLEET	.89

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	34	633	25	0	0	0	0	0	0	692

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 88		0
c. AUTHORIZATION NOT YET IN INVENTORY		36,410
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		40,410

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
219.10	PUBLIC WORKS FACILITY	20,540 SF	1,740	04/87	09/88
730.20	SECURITY FACILITY	LS	510	05/88	08/89
740.43	PHYSICAL FITNESS FACILITY	12,700 SF	1,750	05/88	08/89
	TOTAL		4,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
New homeport for two Naval Reserve Force guided missile frigates and three Naval Reserve Force minesweepers. Ship arrivals at this homeport are scheduled for 1991.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, GALVESTON, TEXAS	PHYSICAL FITNESS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	740.43	P-016	1,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICAL FITNESS FACILITY.	SF	12,700	-	1,260
GYMNASIUM.	SF	12,700	86.00	(1,090)
OUTDOOR PLAYING COURTS AND FIELDS.	LS	-	-	(170)
SUPPORTING FACILITIES.	-	-	-	320
UTILITIES.	LS	-	-	(190)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(130)
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 masonry building, concrete foundation and floor, insulated metal roof, fire protection system, air conditioning, utilities; outdoor playing courts and fields, paving, lighting, fencing.

11. REQUIREMENT: 12,700 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides physical fitness facilities. (New mission.)
REQUIREMENT: Adequate facilities for maintaining physical fitness of ships' crew and shore personnel to support homeporting two guided missile frigates and three minesweeping ships. All five ships of the Naval Reserve Force are part of the strategic homeporting initiative on the Gulf Coast.
CURRENT SITUATION: Naval Station Galveston is under construction and physical fitness facilities do not exist.
IMPACT IF NOT PROVIDED: Personnel support facilities for homeporting ships at Galveston will not be available, impairing the ability of Galveston to effectively support strategic homeporting.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, GALVESTON, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
PHYSICAL FITNESS FACILITY	P-016

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 1989	40
(c)	Date Design 35% Complete	11-88
(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	(70)
(b)	All Other Design Costs	(65)
(c)	Total	135
(d)	Contract	(90)
(e)	In-house	(45)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, GALVESTON, TEXAS	PUBLIC WORKS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	219.10	P-006	1,740

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PUBLIC WORKS FACILITY.	SF	20,540	-	1,310
PUBLIC WORKS SHOPS	SF	20,540	60.00	(1,230)
FILLING STATION.	LS	-	-	(80)
SUPPORTING FACILITIES.	-	-	-	260
UTILITIES.	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(170)
SUBTOTAL	-	-	-	1,570
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,650
SUPERVISION, INSPECTION & 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, concrete foundation and floor, insulated metal roof, security system, fire protection system, air conditioning for offices, utilities.

11. REQUIREMENT: 20,540 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides public works shops for facility and vehicle maintenance. (New mission.)
REQUIREMENT: Adequate facilities to maintain and operate base facilities, operational vehicles and equipment to support homeporting two guided missile frigates and three minesweeping ships. All five ships of the Naval Reserve Force are part of the strategic homeporting initiative on the Gulf Coast.
CURRENT SITUATION: Naval Station, Galveston is under construction and public works shops do not exist.
IMPACT IF NOT PROVIDED: Operational support facilities for homeporting ships at Galveston will not be available impairing the ability of Galveston to effectively support strategic homeporting.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, GALVESTON, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
PUBLIC WORKS FACILITY	P-008

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 1989	100
(c) Date Design 35% Complete	8-87
(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	(90)
(b) All Other Design Costs	(65)
(c) Total	155
(d) Contract	(125)
(e) In-house	(30)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, INGLESIDE, TEXAS	COMMANDER IN CHIEF, ATLANTIC FLEET	.89

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	227	4438	574	0	0	0	0	0	0	5239

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 88		0
c. AUTHORIZATION NOT YET IN INVENTORY		119,850
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		19,720
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		14,520
g. REMAINING DEFICIENCY		7,900
h. GRAND TOTAL		161,990

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.20	EXPLOSIVE ORD DISPOSAL FAC	LS	1,000	05/88	08/89
219.10	PUBLIC WORKS COMPLEX	26,300 SF	2,440	04/87	09/88
421.2?	MAGAZINES	LS	910	05/88	08/89
441.10	GENERAL WAREHOUSE	46,390 SF	4,300	03/87	08/88
721.11	BACHELOR ENLISTED QUARTERS	65,690 SF	6,200	04/87	02/89
740.43	PHYSICAL FITNESS FACILITY	28,600 SF	4,870	05/88	08/89
	TOTAL		19,720		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

171.20	CIC TRAINER	LS	3,480
171.20	FIREFTG/DC TRAINER	LS	11,040

10. MISSION OR MAJOR FUNCTIONS:

New homeport for a battleship, guided missile cruiser, guided missile destroyer. One Reserve Force minesweeper and the Navy's Aviation Training carrier will also be homeported here. Ship arrivals at this hompeport are scheduled for 1991.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, INGLESIDE, TEXAS	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	721.11	P-025	6,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	65,690	-	4,890
HOUSING	SF	63,840	72.00	(4,620)
CENTRAL HEATING AND COOLING PLANT	SF	1,850	146.00	(270)
SUPPORTING FACILITIES	-	-	-	710
UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT	LS	-	-	(410)
SUBTOTAL	-	-	-	5,600
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST	-	-	-	5,880
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	320
TOTAL REQUEST	-	-	-	6,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two three-story reinforced concrete and masonry buildings, concrete foundations and floors, composition roof, fire protection system, ventilation and air conditioning, utilities; 84 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment. One-story reinforced concrete and masonry central heating and air-conditioning building.
Grade mix: 116 E1-E4, 86 E5-E6, 12 E7-E9. Total: 214.

11. REQUIREMENT: 446 PN. ADEQUATE: 232 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides bachelor enlisted quarters for 214 personnel. (New mission.)
REQUIREMENT: Adequate billeting for bachelor enlisted personnel stationed at Naval Station, Ingleside to support homeporting a battleship, aviation training carrier, guided missile cruiser, guided missile destroyer, and a Naval Reserve Force minesweeping ship. These ships of the Battleship Surface Action Group (BB SAG) are pa t of strategic homeporting on the Gulf Coast.
CURRENT SITUATION: Naval Station, Ingleside is under construction, and total required bachelor enlisted housing does not exist. This project completes the bachelor enlisted quarters complex started in 1989.
IMPACT IF NOT PROVIDED: Personnel support facilities for homeporting of the BB SAG will not be available, impairing the ability of Naval Station Ingleside to effectively support strategic homeporting.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, INGLESIDE, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-025

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 1989	95
(c) Date Design 35% Complete	9-87
(d) Date Design Complete	2-89

(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	(50)
(c) Total	105
(d) Contract	(65)
(e) In-house	(40)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, INGLESIDE, TEXAS	GENERAL WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	441.10	P-021	4,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GENERAL WAREHOUSE.	SF	46,390	-	3,550
GENERAL STORAGE.	SF	39,640	48.00	(1,900)
HAZARDOUS AND FLAMMABLE STORAGE.	SF	6,750	111.00	(750)
BUILT-IN EQUIPMENT	LS	-	-	(900)
SUPPORTING FACILITIES.	-	-	-	330
UTILITIES.	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(230)
SUBTOTAL	-	-	-	3,880
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST.	-	-	-	4,070
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	230
TOTAL REQUEST.	-	-	-	4,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay building addition, concrete and masonry walls, concrete foundation and floor, built-up roof, overhead doors, truck loading docks; fire protection and security systems, ventilation, utilities.

11. REQUIREMENT: 79,390 SF. ADEQUATE: 33,000 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides supply warehouse facilities. (New mission.)
REQUIREMENT: Adequate and secure high-bay general, hazardous and flammable storage to support homeporting a battleship, aviation training carrier, guided missile cruiser, guided missile destroyer and Naval Reserve Force minesweeping ship at Ingleside. These ships of the Battleship Surface Action Group (BB SAG) are part of strategic homeporting on the Gulf Coast.
CURRENT SITUATION: Naval Station Ingleside is under construction and adequate warehouse facilities do not exist. This project completes the supply complex started in 1989.
IMPACT IF NOT PROVIDED: Operational support facilities for homeporting the BB SAG will not be available, delaying the ability of Naval Station Ingleside to effectively support strategic homeporting.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, INGLESIDE, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL WAREHOUSE	P-021

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 1989	100
(c) Date Design 35% Complete	9-87
(d) Date Design Complete	8-88

(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	(70)
(b) All Other Design Costs	(20)
(c) Total	90
(d) Contract	(80)
(e) In-house	(10)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, INGLESIDE, TEXAS	PHYSICAL FITNESS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	740.43	P-023	4,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICAL FITNESS FACILITY.	SF	28,600	-	3,560
GYMNASIUM.	SF	24,100	84.00	(2,020)
INDOOR PLAYING COURTS.	SF	4,500	96.00	(430)
25 METER SWIMMING POOL	LS	-	-	(560)
OUTDOOR PLAYING COURTS AND FIELDS.	LS	-	-	(550)
SUPPORTING FACILITIES.	-	-	-	840
UTILITIES.	LS	-	-	(470)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(370)
SUBTOTAL	-	-	-	4,400
CONTINGENCY (5%)	-	-	-	220
TOTAL CONTRACT COST.	-	-	-	4,620
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	250
TOTAL REQUEST.	-	-	-	4,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry building, concrete foundation and floor, insulated metal roofing, fire protection and security systems, air conditioning, utilities; outdoor swimming pool, pump house; outdoor playing courts and fields, paving, lighting, fencing.

11. REQUIREMENT: 28,600 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides physical fitness facilities. (New mission.)
REQUIREMENT: Adequate facilities to maintain physical fitness of ships' crew and shore personnel in support of homeporting a battleship, aviation training carrier, guided missile cruiser, guided missile destroyer, and a Naval Reserve Force minesweeping ship at Ingleside. These ships of the Battleship Surface Action Group (BB SAG) are part of strategic homeporting on the Gulf Coast.
CURRENT SITUATION: Naval Station Ingleside is under construction and physical fitness facilities do not exist.
IMPACT IF NOT PROVIDED: Personnel support facilities for homeporting of the BB SAG will not be available, impairing the ability of Naval Station Ingleside to effectively support strategic homeporting.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, INGLESIDE, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
PHYSICAL FITNESS FACILITY	P-023

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 1989	50
(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	(120)
(c)	Total	345
(d)	Contract	(275)
(e)	In-house	(70)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, INGLESIDE, TEXAS	PUBLIC WORKS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	219.10	P-022	2,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PUBLIC WORKS COMPLEX	SF	26,300	-	1,710
PUBLIC WORKS SHOP	SF	14,600	51.00	(750)
AUTOMOTIVE VEHICLE MAINTENANCE SHOP	SF	9,000	70.00	(630)
HAZARDOUS WASTE STORAGE	SF	2,700	81.00	(220)
FILLING STATION	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	490
UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(390)
SUBTOTAL	-	-	-	2,200
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST	-	-	-	2,310
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	130
TOTAL REQUEST	-	-	-	2,440
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two one-story buildings, concrete and masonry walls, concrete foundations and floors, built up roofs; filling station, bus ramp, vehicle wash area; fire protection and security systems, air conditioning in office areas, utilities; paving; hazardous waste handling facility.

11. REQUIREMENT: 41,400 SF. ADEQUATE: 15,100 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides public works facilities. (New mission.)
REQUIREMENT: Adequate facilities to maintain and operate base facilities, operational vehicles and equipment to support homeporting a battleship, an aviation training carrier, a guided missile cruiser, a guided missile destroyer, and a Naval Reserve Force minesweeping ship at Ingleside. Ships of the Battleship Surface Action Group (BB SAG) are part of strategic homeporting on the Gulf Coast.
CURRENT SITUATION: Naval Station, Ingleside is under construction and adequate public works facilities do no exist. This project will complete the public works complex started in 1989.
IMPACT IF NOT PROVIDED: Operational support facilities for homeporting the BB SAG will not be available, impairing the ability of Ingleside to effectively support strategic homeporting.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, INGLESIDE, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
PUBLIC WORKS COMPLEX	P-022

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 1989	100
(c)	Date Design 35% Complete	8-87
(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	(100)
(b)	All Other Design Costs	(40)
(c)	Total	140
(d)	Contract	(120)
(e)	In-house	(20)

(4) Construction start: 12-89 (month and year)

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

1. COMPONENT	FY 1990 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	4,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,800
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	28,100

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.10	SECURITY TRAINING CTR	89,520 SF	4,500	07/86	06/88
	TOTAL		4,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

721.11	BACHELOR ENLISTED QUARTERS	144,000 SF	11,800	07/86	12/87
	TOTAL		11,800		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Train military and civilian personnel in law enforcement, physical security, anti-terrorism and the protection of Navy's assets from theft, sabotage, terrorism, or other losses.

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

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TECHNICAL TRAINING CENTER DETACHMENT, LACKLAND AIR FORCE BASE, TEXAS	SECURITY TRAINING CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7 PROJECT NUMBER	8. PROJECT COST ($000)
0804796N	171.10	P-001	4,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY TRAINING CENTER	SF	89,520	-	6,790
BUILDING	SF	79,500	60.00	(4,770)
GYMNASIUM	SF	6,000	90.00	(540)
AUDITORIUM	SF	4,020	100.00	(400)
BUILT-IN EQUIPMENT	LS	-	-	(1,080)
SUPPORTING FACILITIES	-	-	-	1,330
UTILITIES	LS	-	-	(380)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(950)
SUBTOTAL	-	-	-	8,120
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST	-	-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	470
TOTAL REQUEST	-	-	-	9,000
NAVY PORTION 50%	-	-	-	4,500
AIR FORCE PORTION 50% (PROJECT MPLS879008F)	-	-	-	4,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame building, concrete foundation and floors, masonry walls, built-up roof; administration, classrooms, specialized training rooms, auditorium, instructors offices, mechanical equipment rooms; fire protection system, air conditioning, utilities; demolition of four buildings.

11. REQUIREMENT: 89,520 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides training facilities to support the joint Navy and Air Force security training program. (Current mission.)
REQUIREMENT: Adequately configured facilities for training personnel in internal and external protection of facility assets ashore and afloat from theft, sabotage, espionage, infiltration, and other threats which could impede capabilities. With increasing levels of terrorism and radical activities, increased security is necessary to better protect the Navy's capability for uninterrupted defensive and offensive action. This project will provide a facility for all such training, Navy-wide. A companion project will provide housing for students assigned to this center for training. Training is planned at this location to take advantage of Air Force facilities and courses of instruction in physical security. It is estimated that an average of 4,500 Navy personnel will be trained annually.
CURRENT SITUATION: No Navy facility exists to support comprehensive training for physical security, law enforcement ashore in defense procedures

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TECHNICAL TRAINING CENTER DETACHMENT, LACKLAND AIR FORCE BASE, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
SECURITY TRAINING CENTER	P-001

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
and tactics, and anti-terrorism measures. The Navy's program to improve security starts with this facility to train personnel in appropriate protection measures.
IMPACT IF NOT PROVIDED: Facilities will not be available to support the Navy's security training program. The potential for political embarrassment and significant real damage 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..... 7-86
- (b) Percent Complete as of January 1989..... 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..... (380)
- (b) All Other Design Costs..... (60)
- (c) Total..... 440
- (d) Contract..... (60)
- (e) In-house..... (380)

(4) Construction start..... 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SECURITY GROUP ACTIVITY NORTHWEST, CHESAPEAKE, 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	37	174	30	0	0	0	2	3	1	247
b. END FY 1994	37	174	30	10	50	0	2	3	1	307

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,118)	
b. INVENTORY TOTAL AS OF 30 SEP 88		26,180
c. AUTHORIZATION NOT YET IN INVENTORY		9,930
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		2,010
h. GRAND TOTAL		39,420

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QTRS ADD	11,200 SF	1,300	02/88	10/88
	TOTAL		1,300		

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 systems, 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	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SECURITY GROUP ACTIVITY NORTHWEST, CHESAPEAKE, VIRGINIA	BACHELOR ENLISTED QUARTERS ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0305896N	721.11	P-827	1,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS ADDITION.	SF	11,200	-	990
BUILDING	SF	11,200	82.00	(920)
BUILT-IN EQUIPMENT	LS	-	-	(70)
SUPPORTING FACILITIES.	-	-	-	180
UTILITIES.	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	-	-	-	1,170
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,230
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Third floor reinforced concrete and masonry building addition, built-up roof, fire protection system, air conditioning, utilities; 14 two-bedroom modules with private bathrooms, lounges, laundry, storage, mechanical equipment.
Grade mix: 56 E1-E4. Total: 56.

11. REQUIREMENT: 116 PN. ADEQUATE: 60 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides billeting for 56 bachelor enlisted personnel assigned in support of the relocatable-over-the-horizon-radar (ROTHR) training headquarters. ROTHR is being installed in several sites throughout the world. (Current mission.)
REQUIREMENT: Adequate housing for 116 enlisted personnel. Chesapeake will be the central headquarters for highly specialized training in the systems operation and maintenance and where technical support, including software design and testing, will be conducted. Operating personnel for the world-wide sites will be deployed from this location.
CURRENT SITUATION: There is no installation in the Navy with enough properly configured facilities, including a large flat expanse of land relatively free of electromagnetic interference to accommodate ROTHR, a new long-range radar system. Chesapeake was chosen for the ROTHR headquarters site because it is remote enough for antenna and electronics systems, but close enough to major Naval installations for needed electronics expertise. Chesapeake does not have adequate facility assets to support the increased personnel loading resulting from the ROTHR. (Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SECURITY GROUP ACTIVITY NORTHWEST, CHESAPEAKE, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS ADDITION	P-827

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Adequate living quarters for bachelor enlisted personnel will continue to be unavailable. This site, the personnel, and the technical headquarters is critical to the success of the entire ROTHR system. The operational capability of the world-wide system will be jeopardized.

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	2-88
(b) Percent Complete as of January 1989	100
(c) Date Design 35% Complete	7-88
(d) Date Design Complete	10-88

(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	(10)
(c) Total	75
(d) Contract	(70)
(e) In-house	(5)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
. NAVAL SURFACE WARFARE CENTER, DAHLGREN, 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	111	270	3540	7	62	0	0	0	0	3990
b. END FY 1994	140	434	3329	32	184	0	0	0	0	4119

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		72,020
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		7,650
g. REMAINING DEFICIENCY		30,080
h. GRAND TOTAL		188,160

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.74	CHILD CARE CENTER	LS	1,000	-	-
	TOTAL		1,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

317.20	ELECTRONIC SYSTEMS LAB	125,000 SF	7,650

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	10
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	3,000

1. COMPONENT	FY 1990 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	8,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	27,800

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
155.21	OPS AND MAINTENANCE FACS	95,400 SF	8,000	11/87	12/88
	TOTAL		8,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

155.21	OPERS & MAINT FACILITIES	LS	8,000	11/88	01/90
	TOTAL		8,000		

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 90 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-334	8,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS AND MAINTENANCE FACILITIES. . . .	SF	95,400	-	6,770
OPERATIONS AND MAINTENANCE BUILDING. . . .	SF	95,400	65.00	(6,220)
VEHICLE WASH PLATFORMS AND FILLING STATION	LS	-	-	(160)
BUILT-IN EQUIPMENT	LS	-	-	(320)
TECHNICAL OPERATING MANUALS.	LS	-	-	(70)
SUPPORTING FACILITIES.	-	-	-	450
UTILITIES.	LS	-	-	(290)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(160)
SUBTOTAL	-	-	-	7,220
CONTINGENCY (5%)	-	-	-	360
TOTAL CONTRACT COST.	-	-	-	7,580
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	420
TOTAL REQUEST.	-	-	-	8,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete frame building, pile foundation, concrete floors, masonry walls, built-up roof system, loading-out areas, overhead crane, paint spray booth, sprinkler fire protection system, air conditioning, utilities; temporary boat storage.

11. REQUIREMENT: 95,400 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs operations and maintenance facilities at the Fleet Combat Training Center Atlantic, Dam Neck, to house the Marine Environmental Systems Facility (MARESFAC) detachment. (New mission.)
REQUIREMENT: Adequate and properly-configured operations and administrative offices, research craft maintenance, and vehicle storage and maintenance facilities. The MARESFAC detachment provides oceanographic information and research services to the fleet. In performing this mission, it uses specialized boats and craft designed to be air transportable. These craft are outfitted with delicate instruments requiring extensive maintenance and calibration and the 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. The detachment requires operations and administrative spaces for training, administration, and mission planning. Facilities are necessary at Dam Neck because this activity supports a majority of the MARESFAC activities, including boat and vehicle maintenance. The detachment also uses NAS

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE ENVIRONMENTAL SYSTEMS FACILITY, DAM NECK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONS AND MAINTENANCE FACILITIES	P-334

11. REQUIREMENT: (Continued)
Oceana as it's 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 at Oceana and none are planned. Activity mission, personnel strength, and operational equipment are expanding and require the additional facilities.
CURRENT SITUATION: Minimal boat storage and repair facilities are available at Dam Neck. Vehicle maintenance is performed in makeshift facilities. 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 provides boat storage at both the Dam Neck and Oceana sites.
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..... 11-87
- (b) Percent Complete as of January 1989..... 100
- (c) Date Design 35% Complete..... 5-88
- (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..... (405)
- (b) All Other Design Costs..... (65)
- (c) Total..... 470
- (d) Contract..... (450)
- (e) In-house..... (20)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 1990 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		5,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		21,850
f. PLANNED IN NEXT THREE PROGRAM YEARS		32,800
g. REMAINING DEFICIENCY		68,650
h. GRAND TOTAL		353,120

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
151.20	BERTHING PIERS EXTENSION	LS	3,800	07/88	01/90
730.10	FIRE STATION	8,080 SF	1,400	03/88	09/88
	TOTAL		5,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

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		

B. MAJOR PLANNED NEXT THREE YEARS:

155.20	LANDING CRAFT CUSHION COMP	LS	7,900
171.50	SMALL ARMS RANGE	9,100 SF	3,800

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	BERTHING PIERS EXTENSIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	151.20	P-379	3,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BERTHING PIERS EXTENSIONS	LS	-		3,430
PIER 15	SY	320	1,690	(540)
PIER 16	SY	320	1,690	(540)
PIER 17	SY	320	1,690	(540)
MOORING PLATFORM	LS	-	-	(790)
PIER-PLATFORM CATWALK	LS	-	-	(180)
DREDGING	CY	165,000	5.10	(840)
SUBTOTAL	-	-	-	3,430
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,600
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	200
TOTAL REQUEST	-	-	-	3,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct three reinforced concrete berthing pier extensions, pile foundations; three pile supported mooring platforms, three concrete catwalks; modification to existing piers; dredging.

11. REQUIREMENT: As Required.

PROJECT: Constructs 100-foot extensions on three ship berthing piers to support the new class of Landing Ship Dock (LSD-41) being homeported at Little Creek. (New mission.)

REQUIREMENT: Berthing piers long enough to accommodate a new class of ships. The LSD-41 is 50 to 100-feet longer than earlier LSD classes and requires a berthing pier 550-feet long. The ships cannot be safely berthed at the existing piers. Eight LSD-41's plus six cargo variants of the LSD-41 are necessary to lift the mix of landing craft air cushion (LCAC) and conventional landing craft necessary to support a Marine Amphibious Force. Delivery of the ships to the fleet will be complete in 1996. Little Creek will be homeport to five LSD-41's. This ship is 610-feet long with an above-water height of 165-feet and is designed to carry four LCAC's or 12 conventional landing craft and 504 assault troops. The Thomaston class LSD, which this ship will replace, is 510-feet long.

CURRENT SITUATION: Four piers were modified with extensions in the 1970's for the existing landing ships. During this period, the Norfolk International Airport, located adjacent to the base, extended its runway.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
BERTHING PIERS EXTENSIONS	P-379

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
The aircraft approach zone impacted upon ship berthing at these modified piers by placing height limitations on facilities and ships located in the approach zone. Mast heights must be less than 144-feet above the water. The LSD-41's cannot use these piers because of height restrictions and must use the shorter piers to the north or along the Little Creek Cove quaywall. Although adequate in every other respect, Piers 15, 16, and 17 are inadequate in length to safely accommodate the LSD-41 class landing ship. This project will install new mooring platforms with connecting catwalks from each pier extension and add 100-feet of length for proper mooring of the vessels.
IMPACT IF NOT PROVIDED: Ship berthing will continue in its present restrictive manner, allowing a stern-in mooring only to accommodate brow placement, cold-iron utility hook-ups, and the limited mooring points afforded by too-short piers. Severe damage could result if a ship is blown free of its pier during high winds. Proper mooring on the extended piers will ensure against this.

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 1989..... 40
- (c) Date Design 35% Complete..... 10-88
- (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..... (0)
- (b) All Other Design Costs..... (100)
- (c) Total..... 100
- (d) Contract..... (0)
- (e) In-house..... (100)

(4) Construction start..... 3-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	730.10	P-655	1,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE STATION	SF	8,080	-	880
BUILDING	SF	8,080	85.00	(690)
BUILT-IN EQUIPMENT	LS	-	-	(190)
SUPPORTING FACILITIES	LS	-	-	390
UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(270)
SUBTOTAL	-	-	-	1,270
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST	-	-	-	1,330
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	70
TOTAL REQUEST	-	-	-	1,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay masonry building, concrete footings and floor, built-up roof, overhead doors, electric winch, fire alarm circuit and protection system, air conditioning, utilities; asbestos removal, demolition of two buildings.

11. REQUIREMENT: 8,080 SF. ADEQUATE: 0 SF. SUSTANDARD: 0 SF.
PROJECT: Provides a two-bay central fire station with work shops, administrative offices, day and bunk rooms, storage and hose drying rooms. (Current mission.)
REQUIREMENT: Centrally located fire station to replace two small obsolete buildings. This base provides its own fire fighting force to ensure quick response to a fire on the waterfront or in other areas of the base. Because the nature of base operations includes weapons and fuel handling, a response time of three minutes or less is required to protect personnel and property. The site of the new mission Landing Craft Air Cushion (LCAC) Complex is outside of the three-minute response time radius of either of the two existing fire stations. A small fire house was planned for the LCAC area; however, it will not be needed since the new central fire station will be located within the required response area. This will result in the elimination of the requirement for additional fire fighters and apparatus.
CURRENT SITUATION: The base fire department is operating out of two old fire stations, a small wood-frame storage building, and a portion of

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE STATION	P-655

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
another storage building. Fire Station #2 serves the west side of the base and was constructed in 1942 as a gas station and converted to a fire house in 1952. Fire Station #1, constructed in 1943, serves the east side or main operating area. This fire station, which will be replaced by the new facility, is too small to house the new fire fighting apparatus the fire department recently received. This means that expensive fire trucks must be left outdoors, exposed to the elements. The present location of this fire station is such that the fire department response vehicles cannot meet the three-minute response time criteria for the LCAC complex.
IMPACT IF NOT PROVIDED: Alterations to Fire Station #1 would be required to house the new modern vehicles. However, it is not economically feasible to invest alteration money in a building that is over 40 years old. An additional fire station will be required at the LCAC Complex because the existing fire stations are not within the three-minute response time area.
ADDITIONAL: The base is divided into two distinct areas by the Little Creek Harbor, the West Annex, and the main base. Fire Station #2, although an old building, will continue to be operated to provide the quick response required for ships and buildings on the west side of the base. While this project is not based entirely on economics, it will negate the need for a third fire house at the LCAC Complex.

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 1989..... 100
- (c) Date Design 35% Complete..... 8-88
- (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..... (0)
- (b) All Other Design Costs..... (100)
- (c) Total..... 100
- (d) Contract..... (0)
- (e) In-house..... (100)

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
FIRE STATION	P-655

12. SUPPLEMENTAL DATA: (Continued)

(4) Construction start.....: 1-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR 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	1172	6463	1560	102	201	0	14	282	0	9794
b. END FY 1994	1198	6610	1640	100	225	0	14	292	0	10079

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,386)	
b. INVENTORY TOTAL AS OF 30 SEP 88		185,960
c. AUTHORIZATION NOT YET IN INVENTORY		15,530
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		30,790
g. REMAINING DEFICIENCY		15,550
h. GRAND TOTAL		252,230

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	AVIAT MAINT TRNG FAC ADDN	38,840 SF	4,400	01/88	07/89
	TOTAL		4,400		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

143.47	ALERT FORCE BUILDING	7,000 SF	1,050
211.05	MAINTENANCE HANGAR	LS	6,610
721.11	BACHELOR ENLISTED QUARTERS	600 PN	13,200
872.10	MAG AREA PHYSICAL SEC	17,200 LF	930
211.05	LP AREA HANGARS	LS	9,000

10. MISSION OR MAJOR FUNCTIONS:

Homeport to aviation units capable of deploying with carriers and other ships, including nine airborne early warning squadrons (VAW), one tactical support squadron (VRC), three helicopter mine countermeasures squadrons (HM), three LAMPS helicopter squadron (HSL); two helicopter utility squadron (HC), and one fleet composite squadron (VC). Also supports four reserve squadrons, air passenger and freight terminals and the adjacent Naval Aviation Depot.

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

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	50
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	340

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, NORFOLK, VIRGINIA	AVIATION MAINTENANCE TRAINING FACILITY ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.20	P-128	4,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION MAINTENANCE TRAINING FACILITY ADDN.	SF	38,840	-	3,460
BUILDING	SF	38,840	82.00	(3,200)
BUILT-IN EQUIPMENT	LS	-	-	(260)
SUPPORTING FACILITIES.	"	-	-	510
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(140)
SUBTOTAL	-	-	-	3,970
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST.	-	-	-	4,170
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	230
TOTAL REQUEST.	-	-	-	4,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete and masonry building addition, spread reinforced concrete footings, concrete floors, built-up roof, administrative, computer, and applied instruction spaces and classrooms, training devices, electronic grounding, computer flooring, hoists, fire protection systems, air conditioning, utilities.

11. REQUIREMENT: 38,840 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a training building addition to house 14 aircraft maintenance trainers valued at $30 million and classroom and training support spaces for the Naval Air Maintenance Training Group Detachment (NAMTRAGRUDET) and the Fleet Readiness Squadron (FRS). The core of the complex provides common support spaces, such as administrative offices, technical library, trainer maintenance spaces, and student lounges. (New mission.)
REQUIREMENT: Facilities to accommodate E-2C and C-2A aircraft maintenance trainers and classrooms to conduct maintenance training courses. NAMTRAGRUDET, a tenant of NAS Norfolk, provides maintenance training for all the squadrons homeported at Norfolk. In 1984, the Navy decided to provide maintenance training for E-2's and C-2's at Norfolk rather than continue single-site training at NAS Miramar, California. NAMTRAGRUDET began receiving maintenance trainers for the E-2 and C-2 aircraft in 1987. These trainers are mock-ups of aircraft systems and are used for instruction and hands-on maintenance training. They vary in size with
(Continued on DD 1391c)

1. COMPONENT	FY 19^{90} MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, NORFOLK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
AVIATION MAINTENANCE TRAINING FACILITY ADDITION	P-128

11. REQUIREMENT: (Continued)
some being very large, heavy, and requiring special foundations and utilities. The E-2 is an airborne early warning aircraft that deploys with the carrier air wing. The C-2 is a cargo derivative of the E-2 and provides carrier on-board delivery of cargo and personnel to the deployed carrier battle group. There are nine squadrons of these aircraft totalling about 50 aircraft based at Norfolk.
CURRENT SITUATION: Sufficient space does not exist to support and house the E-2 and C-2 trainers already on-board this station. Four trainers are currently used in a single room designed for one. Noise precludes the use of more than one trainer at any given time. This means that three trainers sit idle while one is in operation. Some of the training is done in borrowed helicopter maintenance training spaces and in leased relocatable buildings which are small and not designed for the trainers. Lack of adequate facilities has caused this training to be conducted in offices and has occasionally encroached on the operational squadrons work spaces. FRS aircrew and aviation maintenance training frequently occurs in two shifts because of space deficiency.
IMPACT IF NOT PROVIDED: Trainers have been crowded together in existing spaces and some have been placed in storage. Lack of space to support trainers makes it necessary for approximately 100 students per year, attached to Norfolk squadrons, to travel to the west coast for training. Each student sent costs approximately $2,600 in per diem and travel. Lease of commercial space to support the trainers will cost over $100,000 per year and will not alleviate the overcrowding.

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 1989..... 75
- (c) Date Design 35% Complete..... 10-88
- (d) Date Design Complete..... 7-89

(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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, NORFOLK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
AVIATION MAINTENANCE TRAINING FACILITY ADDITION	P-128

12. SUPPLEMENTAL DATA: (Continued)

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

	($000)
(a) Production of Plans and Specifications.....	(190)
(b) All Other Design Costs.....	(50)
(c) Total.....	240
(d) Contract.....	(215)
(e) In-house.....	(25)

(4) Construction start..... 11-89
(month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL EASTERN OCEANOGRAPHY CENTER, NORFOLK, VIRGINIA	NAVAL OCEANOGRAPHY COMMAND	92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	31	75	22	0	0	0	31	21	0	180
b. END FY 1994	30	103	22	0	0	0	31	21	0	207

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	680
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,200
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	2,880

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	STATUS COMPLETE
137.10	OCEANOGRAPHIC CTR ADDN	LS	680	07/86	08/87
	TOTAL		680		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

137.10	OCEANO BLDG ADDN	LS	2,200

10. MISSION OR MAJOR FUNCTIONS:
Provide the operating forces of the Atlantic area with environmental information for air, surface, and subsurface operations. Provide timely and accurate warning of storms, high winds and other hazardous or destructive weather phenomena.

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 1990 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		6,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,400
f. PLANNED IN NEXT THREE PROGRAM YEARS		7,700
g. REMAINING DEFICIENCY		1,100
h. GRAND TOTAL		124,830

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.10	GENERAL WAREHOUSE	162,500 SF	6,200	03/88	06/89
811.60	STAND-BY GENERATOR PLANT	LS	300	09/88	02/89
	TOTAL		6,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

441.10	GENERAL WAREHOUSE	131,250 SF	6,400	11/88	01/90
	TOTAL		6,400		

B. MAJOR PLANNED NEXT THREE YEARS:

151.60	FENDERING REPLACEMENT	LS	1,000
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 90 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-414	6,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GENERAL WAREHOUSE.	SF	162,500	29.00	4,670
SUPPORTING FACILITIES.	-	-	-	930
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(90)
UTILITIES.	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(770)
SUBTOTAL	-	-	-	5,600
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST.	-	-	-	5,880
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	320
TOTAL REQUEST.	-	-	-	6,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame metal building, stacking height of 20-feet, pile foundation, concrete floor, metal roof, fire alarm and protection systems, ventilation, utilities; access road; demolition of one building, asbestos removal.

11. REQUIREMENT: 162,500 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a warehouse for the efficient receipt, issue, and storage of large quantities of bulk materials in support of the Fleet. (Current mission.)
REQUIREMENT: Adequate storage space 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: A large storage space deficiency was made critical in 1987 when a 70-year old building, about two football fields long by one football field wide, was condemned and removed from service. Accelerated deterioration was taking place in large portions of the roof support structure permitting stored materials to be saturated by rain and melting snow and causing an unsafe working environment for personnel. The weakened condition of the building was such that it would have been hazardous to allow personnel on the roof for temporary repairs. Interim storage, mainly in the open or jamming into any make-shift space is not conducive to fast response to Fleet ships being replenished on adjacent piers or to other customers. (Continued on DD 1391c)

1. COMPONENT	FY 19 90 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-414

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Inability to maintain receipt and storage inventory accuracy because of outside and jam storage will continue. Severe negative impact on responsive issue of materials to the Fleet caused by condemnation of the bulk warehouse 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..... 3-88
- (b) Percent Complete as of January 1989..... 75
- (c) Date Design 35% Complete..... 11-88
- (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..... (0)
- (b) All Other Design Costs..... (255)
- (c) Total..... 255
- (d) Contract..... (5)
- (e) In-house..... (250)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 1990 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		12,560
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,150
f. PLANNED IN NEXT THREE PROGRAM YEARS		14,000
g. REMAINING DEFICIENCY		134,460
h. **GRAND TOTAL**		374,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	STATUS COMPLETE
171.20	AVION MAINT TRNG FACS ADDN	10,450 SF	1,480	01/88	03/90
171.20	MED ATTACK WPNS SCHOOL	43,630 SF	6,030	07/88	06/89
171.20	CASS TRAINING BUILDING	16,100 SF	2,200	01/88	03/90
171.35	WPNS SYS TRNG FAC	17,550 SF	2,850	07/88	06/89
	TOTAL		12,560		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

171.35	WEAPONS SYS TRNR BLDG ADDN	24,640 SF	3,150	11/88	01/90
	TOTAL		3,150		

B. MAJOR PLANNED NEXT THREE YEARS:

171.20	SQUADRON TRNG BLDG ADDN	47,500 SF	4,700
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

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, OCEANA, VIRGINIA	AVIONICS MAINTENANCE TRAINING FACILITIES ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.20	P-182	1,480

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIONICS MAINTENANCE TRAINING FACS ADDITION.	SF	10,450	-	1,050
BUILDING ADDITION.	SF	10,450	88.00	(920)
BUILT-IN EQUIPMENT	LS	-	-	(130)
SUPPORTING FACILITIES.	-	-	-	280
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(30)
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(250)
SUBTOTAL	-	-	-	1,330
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,400
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	80
TOTAL REQUEST.	-	-	-	1,480
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(14,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building addition, pile foundation, concrete grade beams and floor, built-up roof, classrooms, specialized training rooms, intrusion detection system, 400HZ electric power, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 10,450 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides an addition to an applied instruction building for training fighter squadron personnel in aircraft avionics systems maintenance to support the F-14D aircraft. (New mission.)
REQUIREMENT: Avionics maintenance training to support the introduction of the F-14D scheduled for arrival beginning in 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 weapons 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 has a better radar. The F-14D will provide a major upgrade to the aircraft. It will feature digital electronics and data processing, an improved radar and more

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, OCEANA, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
AVIONICS MAINTENANCE TRAINING FACILITIES ADDITION	P-182

11. REQUIREMENT: (Continued)
powerful engines. Transition of the squadrons' aircraft to F-14D will take place through the mid-1990's. Avionics maintenance for both models will be required throughout the transition meaning a dual capability is necessary. Training facilities are required to ensure that squadron maintenance personnel are capable of maintaining and repairing advanced avionics systems. These systems include radar, electronic warfare "black boxes", communication and navigation equipment, and combat system sensors and computers.
CURRENT SITUATION: Facilities are not available for additional avionics systems maintenance training. Existing training spaces for the F-14A will be required through the 1990's during the transition period and will not be available for F-14D training to commence in 1991.
IMPACT IF NOT PROVIDED: Oceana will be unable to provide adequate maintenance training for F-14D aircraft, jeopardizing flight safety and readiness. The carriers will deploy without full benefits provided by the major F-14 upgrade. The ability of the carrier to defend itself and the battle group will be degraded because of a lack of proper systems maintenance 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..... 1-88
- (b) Percent Complete as of January 1989..... 50
- (c) Date Design 35% Complete..... 11-88
- (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..... (65)
- (b) All Other Design Costs..... (25)
- (c) Total..... 90
- (d) Contract..... (80)
- (e) In-house..... (10)

(4) Construction start..... 5-90 (month and year)

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL AIR STATION, OCEANA, VIRGINIA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
AVIONICS MAINTENANCE TRAINING FACILITIES ADDITION	P-182

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)
F-14D Integrated Weapons System Trainer (Avionics)	APN	1990	14,000

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, OCEANA, VIRGINIA	CONSOLIDATED AUTOMATED SUPPORT SYSTEM TRAINING BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.20	P-185	2,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSOLIDATED AUTOMATED SUPPORT SYS TRNG BLDG	SF	16,100	-	1,630
BUILDING	SF	16,100	93.00	(1,500)
BUILT-IN EQUIPMENT	LS	-	-	(130)
SUPPORTING FACILITIES	-	-	-	360
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
UTILITIES	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT	LS	-	-	(90)
SUBTOTAL	-	-	-	1,990
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST	-	-	-	2,090
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	110
TOTAL REQUEST	-	-	-	2,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(20,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, pile foundation, concrete floor, built-up roof, classrooms, specialized training rooms, Consolidated Automated Support System (CASS) equipment, special interior systems (helium, filtered air, nitrogen), 400HZ electric power, hydraulic system, wet sprinkler system, air conditioning, utilities.

11. REQUIREMENT: 16,100 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a Consolidated Automated Support System (CASS) training building to house 10 electronic test stations for intermediate level electronic repair training. (Current mission.)
REQUIREMENT: Adequate and properly-configured facility to accommodate the CASS training system scheduled for introduction at Oceana with a ready-for-training date of fall 1991. CASS is an outgrowth of the automatic test equipment (ATE) system technology designed to provide support to Naval aircraft avionics systems and to electronic systems on Naval ships. ATE's have evolved into unique test-boxes for each avionics and electronics package used, resulting in a need for 90 or more major pieces of ATE at each of the intermediate maintenance activities (IMA) and on aircraft carriers. This many units are expensive to maintain and require large areas for storage, operation, and intense sailor training. CASS will be a collection of common assets that can be configured and reconfigured to each specific avionics and electronics package. It will use a common test display for all testing thus allowing the maintenance
(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, OCEANA, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
CONSOLIDATED AUTOMATED SUPPORT SYSTEM TRAINING BUILDING	P-185

11. REQUIREMENT: (Continued)
person to test a wide variety of packages. CASS will eventually reduce the amount of space required for test equipment by as much as 50% at shore activities and on-board ship. This is particularly important on ships where space allocation is of great importance. For example, on an aircraft carrier CASS will allow a reduction of avionics maintenance personnel from 250 to 150; training courses from 185 to 5; test equipment types from 95 to 5; facility space from 15,000 SF to 10,000 SF; line item spares from 30,000 to 3,800; and contractor technical personnel from 21 to zero. Initial deployment will be in support of avionics for aircraft at the intermediate and depot levels of maintenance. In addition, the CASS assets will be configurable to meet testing requirements for all new Navy electronics. The training workload at Oceana will consist of ten courses lasting from five to fifty days each, training an average of six students per class. Courses will teach the students to set up, test various packages, and maintain the CASS system itself. A student will spend a minimum of five to six months taking a combination of several CASS courses. Once this training is complete, the sailor will be assigned to an IMA either at a major air activity or on-board aviation ships. Oceana will be the first CASS training site providing CASS operator and maintenance training to meet the needs of Fleet Air Arm.
CURRENT SITUATION: Since all existing training facilities are fully utilized, there are no facilites available for this new training.
IMPACT IF NOT PROVIDED: The fleet will begin transition to CASS installations in support of the Fleet Air Arm in 1992, replacing virtually all existing ATE electronic test equipment currently used. Training facilities must be in place prior to this time to ensure squadron maintenance personnel are familiar with the new system and will be prepared for assignment to ships and activities using the CASS system. Failure to provide training facilities will adversely impact on maintenance personnel's ability to keep the aircraft and electronic systems fully 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	1-88
(b)	Percent Complete as of January 1989	50
(c)	Date Design 35% Complete	11-88
(d)	Date Design Complete	3-90

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, OCEANA, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
CONSOLIDATED AUTOMATED SUPPORT SYSTEM TRAINING BUILDING	P-185

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..... (110)
(b) All Other Design Costs..... (30)
(c) Total..... 140
(d) Contract..... (130)
(e) In-house..... (10)

(4) Construction start..... 5-90
(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)
Consolidated Automated Support System Trainer	APN	1990	20,000

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, OCEANA, VIRGINIA	MEDIUM ATTACK WEAPONS SCHOOL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.20	P-184	6,025

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MEDIUM ATTACK WEAPONS SCHOOL	SF	43,630	-	4,310
BUILDINGS	SF	43,630	88.00	(3,830)
BUILT-IN EQUIPMENT	LS	-	-	(480)
SUPPORTING FACILITIES	LS	-	-	1,130
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(60)
UTILITIES	LS	-	-	(390)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(680)
SUBTOTAL	-	-	-	5,440
CONTINGENCY (5%)	-	-	-	270
TOTAL CONTRACT COST	-	-	-	5,710
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	315
TOTAL REQUEST	-	-	-	6,025
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(*)

(*Classified)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One two-story steel-frame and masonry building, concrete foundation on wood piling, concrete floor, built-up roof, hangar bay area, administrative and training spaces; hazardous flammable and waste storage buildings; fire protection systems, ventilation and air conditioning, utilities; security screen, fencing, and lighting; access apron; parking area; demolition of two buildings.

11. REQUIREMENT: 43,630 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs training facility with classrooms, office areas, assembly room, aircraft hangar for hands-on weapons training on aircraft. Secure training areas with hangar bays for two aircraft, training room, mission planning area, security vestibule. Perimeter security fencing. (Current mission.)
REQUIREMENT: Adequate and properly-configured facilities for graduate level training of A-6 and F-14 aircraft crews in weapons employment, tactical doctrine, and strike planning. New weapons will be in Navy's inventory by 1991, and space for mission planning in the use of these weapons is necessary. Additional instruction courses will be required for aviation personnel who handle, load, and unload these aircraft weapons. Unique requirements for this training require dedicated, secure classrooms because of classified instruction material and highly pilferable and fragile training devices. Hangar bays are necessary for weapons handling training in conjunction with the actual A-6 aircraft. Oceana is the only

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, OCEANA, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
MEDIUM ATTACK WEAPONS SCHOOL	P-184

11. REQUIREMENT: (Continued)
Atlantic Fleet homeport for the A-6 medium attack aircraft. There are eight fleet squadrons and one fleet readiness squadron assigned to the medium attack wing homeported at Oceana with over 135 A-6 aircraft. This facility supports a new and expanding school command; the last of four new Navy-wide commands established in the mid-1980's to provide weapons system training for particular aircraft. The instructor and support staff for this training program will grow as new weapons and upgraded aircraft are introduced.
CURRENT SITUATION: The school became partially operational in 1988 and is using existing classrooms scattered around the base as space is made available. The program is now conducted in five buildings and one aircraft maintenance hangar. A complete curriculum and schedule cannot be presented because of a lack of classroom space. Secure, properly configured space for classified training is limited and a constraint on training schedules.
IMPACT IF NOT PROVIDED: With the extremely limited availability of classroom space, a major reduction in training quality and instruction systems development will result. New programs will create an even more serious impact on training space availability, commencing mid-1991.

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 1989..... 50
- (c) Date Design 35% Complete..... 11-88
- (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..... (0)
- (b) All Other Design Costs..... (235)
- (c) Total..... 235
- (d) Contract..... (40)
- (e) In-house..... (195)

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, OCEANA, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
MEDIUM ATTACK WEAPONS SCHOOL	P-184

12. SUPPLEMENTAL DATA:

(4) Construction start..... 2-90
(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)
Nine Simulator Modules for Tactical Aircraft Mission Planning System (TAMPS) and Part Task Trainers (PTT) One TAMPS/PTT Simulator	APN	1990	Classified

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, OCEANA, VIRGINIA	WEAPONS SYSTEM TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.35	P-174	2,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS SYSTEM TRAINING FACILITY	SF	17,550	-	1,960
BUILDING ADDITION	SF	17,550	100.00	(1,760)
BUILT-IN EQUIPMENT	LS	-	-	(200)
SUPPORTING FACILITIES	-	-	-	610
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(100)
UTILITIES	LS	-	-	(350)
PAVING AND SITE IMPROVEMENT	LS	-	-	(160)
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

One-story reinforced concrete and masonry building addition, pile foundation, concrete floor, high-bay area, built-up roofing, computer flooring, monorail hoist, sound attenuation, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 17,550 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a training building to house two weapons systems trainers associated with the upgrade of the A-6 medium attack aircraft. (Current mission.)
REQUIREMENT: Adequate weapons systems training facilities to support the upgraded A-6E aircraft designated the A-6E SWIP (System/Weapon Improvement Program). Oceana is homeport to eight deployable and one training medium-attack aircraft squadrons. All Atlantic Fleet medium-attack squadrons are stationed here. The A-6E SWIP is an improved medium-attack, all-weather aircraft, using the same airframe as the A-6E but with several communications, navigation, weapons, engine and other systems improvements to make the aircraft more capable. Appropriation for the first A-6E SWIP aircraft buy of ten aircraft was approved in the FY 1988 Aircraft Procurement, Navy budget. The aircraft will be procured over a two-year period. This aircraft will be a cost-effective means of providing a carrier-based, all-weather attack aircraft that can deal with today's hostile anti-air and electronics countermeasures environment. It will serve the carriers' main mission of power projection until it is replaced

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, OCEANA, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
WEAPONS SYSTEM TRAINING FACILITY	P-174

11. REQUIREMENT: (Continued)
by the A-6G in the early 1990's and the Advanced Tactical Aircraft in the late 1990's. Facilities are required to support the introduction of the A-6E SWIP to Oceana. Squadron flight crews need to learn the new systems and system changes to ensure the aircraft can be used to their full potential during combat situations.
CURRENT SITUATION: All training buildings at Oceana are fully utilized and will continue to be as long as the older A-6E is homeported there. There are no plans to completely phase out the A-6E within the next decade. Instead, it will be upgraded to A-6G by providing new engines, improved missile defense, communication, tactical control and navigation, identification friend or foe, and new satellite navigation capability. The cockpit will be digital vice analog. The training workload will continue for the A-6E in parallel with new training for the A-6E SWIP. No other suitable facility at Oceana is available to conduct A-6E SWIP aircraft weapons systems training.
IMPACT IF NOT PROVIDED: Oceana will be unable to provide adequate weapons systems training for squadron flight crews flying the A-6E SWIP aircraft, jeopardizing operational effectiveness, flight safety, and the readiness posture of the Atlantic Fleet, primary carrier-based attack capability.

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 1989	50
(c) Date Design 35% Complete	11-88
(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	(135)
(b) All Other Design Costs	(40)
(c) Total	175
(d) Contract	(160)
(e) In-house	(15)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NORFOLK NAVAL SHIPYARD, PORTSMOUTH, 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	129	489	13800	0	0	0	149	1909	0	16476
b. END FY 1994	128	489	13800	0	0	0	149	1909	0	16476

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,338)	
b. INVENTORY TOTAL AS OF 30 SEP 88		264,550
c. AUTHORIZATION NOT YET IN INVENTORY		190,510
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		28,300
g. REMAINING DEFICIENCY		44,950
h. GRAND TOTAL		538,010

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	ELECT DISTR SYS IMPROVS	LS	9,700	01/88	03/90
	TOTAL		9,700		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

610.10	ENGR MGMT BLDG(PH II)	222,000 SF	23,000
872.10	PHYSICAL SEC IMPROVES	LS	5,300

10. MISSION OR MAJOR FUNCTIONS:
Maintenance and overhaul of conventional and nuclear poewred ships up to and including aircraft carriers, surface ships, and attack submarines. Logistic support provided includes conversion, overhaul, repair, alterations, and dry docking of surface ships and modern submarines. Provide support of air, anti-air, and anti-submarine warfare weapon systems.

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

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	500
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NORFOLK NAVAL SHIPYARD, PORTSMOUTH, VIRGINIA	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702228N	812.30	P-185	9,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS.	LS	-	-	8,760
PRIMARY AND SECONDARY SERVICE.	LF	62,910	54.00	(3,410)
SUBSTATIONS.	LS	-	-	(4,800)
CAPSTANS	LS	-	-	(550)
SUBTOTAL	-	-	-	8,760
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST.	-	-	-	9,200
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	500
TOTAL REQUEST.	-	-	-	9,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

New and upgraded shore power and industrial outlets; new 11.5 KV/460V, 3750 KVA substations and primary and secondary distribution line, portable transformers, electric power capstans; upgrade existing substations and switching stations.

11. REQUIREMENT: As Required:

PROJECT: Installs high and low voltage electric power cables; provides additional, upgraded, and portable substations with switchgear, transformer pads, and duct banks along the waterfront in the Controlled Industrial Area (CIA) of the shipyard. (Current mission.)

REQUIREMENT: Adequate and reliable electric power to support industrial and ship operations in the overhaul and repair of all classes of surface ships (CGN, CVN, CV) and submarines (SSN 688). Shore power requirements are going up because of the increasingly dense mix of modern and more complex naval vessels. Industrial power requirements are also continuing to increase as a result of this mix. Consequently, the shipyard will be unable to provide the waterfront ship and industrial electric power requirement for the projected workloads in the 1990's.

CURRENT SITUATION: The shipyard has an electric power deficiency at various locations along its waterfront. A comparison showing actual ship requirements to waterfront available power has been analyzed and substantiates a significant shortfall in available power. This problem is further compounded by technical constraints on equipment utilization. For example, ship service and industrial power must presently be supplied from separate substations. (Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NORFOLK NAVAL SHIPYARD, PORTSMOUTH, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS	P-185

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

The shipyards' present workload is being supported by continued makeshift arrangements such as using portable transformers where available high voltage exists, curtailment of both the ships' service and industrial operations, shifting ship testing schedules to avoid exceeding power capability, and utilizing all available resources without back-up capability for emergency situations, equipment casualty or increased technical requirements.

IMPACT IF NOT PROVIDED: Inability of the shipyard to meet its peacetime readiness electric power requirements. The shipyard will experience power shortfalls with greater frequency and impact, as increasing numbers of more complex ships enter the overhaul and repair cycle. By 1991, the shipyard will not have the capability to support the electric power requirements for simultaneous overhauls of a CVN, CV, CGN, and two SSN 688's. An emergency docking or substation failure would further degrade the shipyard's capabilities and directly impact shore and industrial power adequacy, thus delaying those ships and submarines undergoing overhaul and repairs 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	1-88
(b)	Percent Complete as of January 1989	50
(c)	Date Design 35% Complete	11-88
(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	(275)
(b)	All Other Design Costs	(105)
(c)	Total	380
(d)	Contract	(360)
(e)	In-house	(20)

(4) Construction start: 5-90 (month and year)

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

1. COMPONENT	FY 1990 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		3,450
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		19,850
f. PLANNED IN NEXT THREE PROGRAM YEARS		29,460
g. REMAINING DEFICIENCY		136,420
h. GRAND TOTAL		385,070

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	COM OFFICERS SCHOOL ADDN	6,940 SF	3,450	03/88	01/89
	TOTAL		3,450		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
179.45	MIL CPS IN URBANIZED TERRN	LS	3,850	11/88	01/90
610.20	COMBAT DEVELOPMENT CENTER	93,400 SF	16,000	12/88	06/90
	TOTAL		19,850		
B. MAJOR PLANNED NEXT THREE YEARS:					
179.45	LIVE FIRE RANGE	LS	2,600		
740.74	CHILD CARE CENTER	18,750 SF	3,000		
171.10	ACADEMIC INSTR FAC-OCS	LS	7,500		

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA	COMMUNICATION OFFICERS SCHOOL ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796M	171.20	P-375	3,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATION OFFICERS SCHOOL ADDITION . . .	SF	6,940	-	740
BUILDING ADDITION.	SF	6,940	96.00	(670)
BUILT-IN EQUIPMENT	LS	-	-	(70)
SUPPORTING FACILITIES.	-	-	-	2,370
ELECTRICAL UTILITIES	LS	-	-	(2,230)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(70)
SUBTOTAL	-	-	-	3,110
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,270
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	180
TOTAL REQUEST.	-	-	-	3,450
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story building addition, concrete foundation and floors, brick-faced concrete masonry walls, built-up roof, fire protection system, air conditioning, utilities; 13 KV electrical loop primary feeder system, switching station.

11. REQUIREMENT: 25,030 SF. ADEQUATE: 18,090 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an addition to the Communication Officers School (COS). (Current mission.)
REQUIREMENT: Adequate and properly-configured facilities to accommodate effective and efficient application of modern training technology to enhance the COS's training mission. The COS conducts three 14-week basic communication officer courses each year, with a student load of 47 in each class, and one 43-week advanced communication officer course with a student load of 45 students. The density and complexity of communication systems and equipment employed in the Fleet Marine Force today have increased considerably since original facilities were constructed, necessitating state-of-the-art facilities to accommodate the current instruction programs.
CURRENT SITUATION: Existing COS building was constructed in 1954, and was adequate to accommodate the number of classes and students until a few years ago. The increased number of students and support personnel, and the increasingly complex state-of-the-art communication systems used in combat today, results in overcrowding of the existing facilities. The

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
COMMUNICATION OFFICERS SCHOOL ADDITION	P-375

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
increased training mission cannot be effectively and efficiently carried out in existing facilities because of space configuration, inadequate space and utilities.
IMPACT IF NOT PROVIDED: Students will be deprived of adequate classroom and equipment spaces, adversely affecting classroom environment and students' performance. Instructors will be unable to take advantage of new technology for electronics trainers and computer assisted instruction methods. As a result, communication officers assigned to the Fleet Marine Force will not be fully prepared to carry out their assigned functions and responsibilities.

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 1989..... 100
- (c) Date Design 35% Complete..... 8-88
- (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..... (60)
- (b) All Other Design Costs..... (45)
- (c) Total..... 105
- (d) Contract..... (80)
- (e) In-house..... (25)

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

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SUPPLY CENTER CHEATHAM ANNEX, WILLIAMSBURG, VIRGINIA	MILITARY SEALIFT COMMAND	.92

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/88	5	10	158	0	0	0	12	226	7	418
b. END FY 19 94	5	10	158	0	0	0	12	294	67	546

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE — Tenant of NSC

b. INVENTORY TOTAL AS OF 30 SEP 1988	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	18,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	18,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.10	Survey Support Facility	99,520 SF	18,500	12/87	05/89
	TOTAL		18,500		

9. Future Projects:

a. Included in following program: None

b. Major Planned Next Three Years: None.

10. Mission or Major Functions: Receive, store, pack, and ship materials under cognizance of the Navy supply system, especially electronic materials, equipment, and components.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUPPLY CENTER CHEATHAM ANNEX, WILLIAMSBURG, VIRGINIA	SURVEY SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204311N	441.10	P-027	18,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SURVEY SUPPORT FACILITY.	SF	99,520	-	14,860
BUILDING	SF	99,520	118.00	(11,760)
LOADING FACILITY	LS	-	-	(2,000)
BUILT-IN EQUIPMENT	LS	-	-	(1,100)
SUPPORTING FACILITIES.	-	-	-	1,840
ELECTRICAL UTILITIES	LS	-	-	(320)
MECHANICAL UTILITIES	LS	-	-	(360)
RAILROAD	LS	-	-	(430)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(730)
SUBTOTAL	-	-	-	16,700
CONTINGENCY (5%)	-	-	-	830
TOTAL CONTRACT COST.	-	-	-	17,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	970
TOTAL REQUEST.	-	-	-	18,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame metal building, concrete foundation and floor, masonry and metal wall panels, metal roof, fire alarm and protection systems, compressed air system, crane, monorail with hoists, conveyor system, cable reel support frame, loading docks, air conditioning, utilities; storage tanks; railroad extension; loading facility.

11. REQUIREMENT: 99,520 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a facility for assembling, testing, and loading on-board ship a new generation hydro-acoustic survey system and support equipment. (New mission.)
REQUIREMENT: Technological developments in integrated undersea surveillance systems (IUSS) dictate new techniques and hardware for hydrographic and acoustic survey systems. These survey arrays and data collection buoys mandate an adequately designed facility to assemble, test, and store cables and electronic components, such as hydro-acoustic projectors, and a transport system to move them to a nearby ship berth. The facility needs a clean room for array assembly and testing, specially constructed storage tanks and pans, environmentally controlled storage areas for electronic hardware, and service by a railroad spur.
CURRENT SITUATION: There are no existing facilities that have the special capabilities deemed necessary by this project, nor are there any that can be easily converted to meet this mission.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUPPLY CENTER CHEATHAM ANNEX, WILLIAMSBURG, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
SURVEY SUPPORT FACILITY	P-027

1. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Adequate facilities will not be available to support the important dynamic hydrographic survey program.

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..... 12-87
- (b) Percent Complete as of January 1989..... 35
- (c) Date Design 35% Complete..... 11-88
- (d) Date Design Complete..... 5-89

(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..... (700)
- (b) All Other Design Costs..... (50)
- (c) Total..... 750
- (d) Contract..... (700)
- (e) In-house..... (50)

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

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL WEAPONS STATION, YORKTOWN, 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	63	849	1841	0	24	0	0	0	0	2777
b. END FY 1994	61	841	1898	0	24	0	0	0	0	2824

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(10,624)	
b. INVENTORY TOTAL AS OF 30 SEP 88		106,340
c. AUTHORIZATION NOT YET IN INVENTORY		48,560
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		21,420
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		31,650
g. REMAINING DEFICIENCY		35,260
h. GRAND TOTAL		243,430

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
212.30	MISSILE FACILITY	74,160 SF	11,100	09/87	02/89
421.72	HARM MISSILE MAGAZINE	9,160 SF	2,900	03/88	08/89
421.72	MISSILE MAGAZINE	18,170 SF	4,920	01/88	12/89
421.72	TACIT RAINBOW MISSILE MAGS	11,060 SF	2,500	03/88	12/89
	TOTAL		21,420		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

143.20	ORDNANCE OPS BLDG	LS	900
316.10	TOMAHAWK TEST CELL	LS	2,050
421.72	MISSILE MAGAZINES	24,070 SF	4,750
421.72	HARPOON MISSILE MAGAZINES	26,150 SF	4,600
421.72	COUNTERMEASURE MAGS	LS	4,500

10. MISSION OR MAJOR FUNCTIONS:

Receive, store, overhaul, test, modify explosives and accomplish other related work pertaining to ammunition, expendable ordnance items, and/or weapons and technical ordnance material. Overhaul, test, and assemble mines, torpedoes, advanced undersea weapons and guided missiles. Act as designated overhaul point for repair, refurbishment, and retrofit of specified missiles. Receive, inspect, monitor, assemble, alter, store, and issue classified ordnance/weapons. Conduct research and development studies of explosive compositions and processes.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

		($000)
A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	1,820
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA	HARM MISSILE MAGAZINE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	421.72	P-439	2,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HARM MISSILE MAGAZINE	SF	9,160	-	1,790
MAGAZINE	SF	9,160	130.00	(1,190)
LOADING DOCK	LS	-	-	(250)
RAILROAD SIDING	LS	-	-	(350)
SUPPORTING FACILITIES	-	-	-	830
UTILITIES	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT	LS	-	-	(590)
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

One earth-covered reinforced concrete five-bay missile magazine, 16-foot wide doors, loading platform, access ramp, railroad siding, grounding system, fire protection system and alarms, utilities.

11. REQUIREMENT: 85,410 SF. ADEQUATE: 76,250 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs one missile storage magazine. (Current mission.)
REQUIREMENT: Adequate magazine storage space for HARM missiles in the all-up-round (AUR) configuration. Yorktown is the east coast intermediate level maintenance and storage activity for these air-launched missiles. Maintenance, storage and issue of the AUR weapons at Yorktown will continue throughout the life of the missiles. Additional magazines will be required in the future, based on the growing inventory needed to support the fleet out of Norfolk.
CURRENT SITUATION: No magazine space is available to satisfy the increased storage requirements for the missiles. Adequate missile magazines approved in recent Military Construction Programs will be fully utilized for their intended purpose of storing other air-launched missiles. There has been a shortage of magazine space at Yorktown since the late 1970's when the Navy stopped storing ammunition at the St. Juliens Creek Annex for safety reasons. Prior to completion of the magazines, missiles will be kept on rail car sidings at higher security risk to the weapons.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
HARM MISSILE MAGAZINE	P-439

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Insufficient storage space for he air launched weapons could affect readiness and security of missiles and increase maintenance requirements on components.

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 1989..... 60
- (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..... (0)
- (b) All Other Design Costs..... (205)
- (c) Total..... 205
- (d) Contract..... (5)
- (e) In-house..... (200)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA	MISSILE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	212.30	P-417	11,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE FACILITY	SF	74,160	-	8,620
ASSEMBLY AND TEST BUILDING	SF	72,550	96.00	(6,950)
PERSONNEL SUPPORT BUILDING	SF	1,510	165.00	(250)
ENTRY CONTROL BUILDING	SF	100	200.00	(20)
BUILT-IN EQUIPMENT	LS	-	-	(1,050)
TECHNICAL OPERATING MANUALS	LS	-	-	(350)
SUPPORTING FACILITIES	-	-	-	1,400
UTILITIES	LS	-	-	(600)
PAVING AND SITE IMPROVEMENT	LS	-	-	(800)
SUBTOTAL	-	-	-	10,020
CONTINGENCY (5%)	-	-	-	500
TOTAL CONTRACT COST	-	-	-	10,520
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	580
TOTAL REQUEST	-	-	-	11,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, insulated metal panel walls, built-up roof, concrete foundation and floor; blast resistant reinforced concrete test cells and doors, earth covered reinforced concrete equipment control rooms, building lightning and grounding protection system; overhead traveling crane, fixed jib cranes, and material handling monorail system; environmental control system, compressed air and nitrogen systems, fire protection system, utilities, emergency power supply, intercommunication system; single-story steel frame and metal support buildings, concrete floors and foundations, built-up roofs.

11. REQUIREMENT: 74,160 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs facility for assembly, testing and maintenance of STANDARD missiles including loading into vertical launch system canisters. (Current mission.)
REQUIREMENT: Adequate facility in which SM-1 and SM-2 STANDARD missiles can be assembled, fleet returns can be reworked and those SM-2 missiles selected for vertical launch configuration can be inserted into canisters. Capability is necessary for removing fleet returned vertical launch system missiles from canisters when intermediate level maintenance (ILM) is required. The SM-2 is an improved version of the SM-1 and is intended for the AEGIS missile cruisers. The SM-2 has a larger warhead and greater range and is less susceptible to electronic jamming. Yorktown will maintain the SM-2 which can be configured for the vertical launch
(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA	
4. PROJECT TITLE	5. PROJECT NUMBER
MISSILE FACILITY	P-417

11. REQUIREMENT: (Continued)
system. Vertical launch canister loading and unloading requires facilities with much greater space and explosive limits than normal maintenance operations. The workload for the SM-2 will increase steadily through 1990 and will stabilize in 1991. Operational readiness tests and continuity checks require six test cells.
CURRENT SITUATION: The present facility was built in 1964, and is operating under an explosive safety criteria that does not meet safety design standards currently in effect. The maintenance workload for 1986 was over 1,000 missiles. The workload for 1991 will be over 1,750 missiles. The present facility cannot meet requirements beyond 1989. Compounding this problem is the introduction of vertical launch STANDARD and TOMAHAWK Missiles, and the Vertical Launch ASROC (VLA) Torpedo to the CG-47, DD963, and DDG51 class ships. This will require facilities for canister loading operations. Initially, the workload was met with an existing TOMAHAWK facility on a shared basis. However, safety regulations do not allow liquid fueled TOMAHAWK and solid fueled STANDARD and ASROC to be worked in the building at the same time. Workload for STANDARD and TOMAHAWK increase rapidly through 1993. Construction of this project would provide a dedicated facility for all STANDARD Missile ILM and canister loading operations, allowing sole use of the existing fa ility for VLA, and use of the present ILM facility for TOMAHAWK missile assembly. All three weapons systems will have facilities to meet their projected requirements.
IMPACT IF NOT PROVIDED: STANDARD missile maintenance and assembly will continue to be accomplished in an outdated facility which does not meet current explosive safety design standards. Fleet readiness requirements of new vertical launch STANDARD missiles will not be met.

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 1989..... 95
- (c) Date Design 35% Complete..... 11-88
- (d) Date Design Complete..... 2-89

(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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
MISSILE FACILITY	P-417

12. SUPPLEMENTAL DATA: (Continued)

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

(a)	Production of Plans and Specifications	195
(b)	All Other Design Costs	25
(c)	Total	220
(d)	Contract	195
(e)	In-house	25

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA	MISSILE MAGAZINE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	421.72	P-472	4,920

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE MAGAZINE.	SF	18,170	-	3,770
MAGAZINE.	SF	9,160	131.00	(1,200)
TEST FACILITY	SF	9,010	144.00	(1,300)
LOADING PLATFORM.	LS	-	-	(370)
BUILT-IN EQUIPMENT.	LS	-	-	(900)
SUPPORTING FACILITIES	-	-	-	670
UTILITIES	LS	-	-	(200)
PAVING & SITE IMPROVEMENT, DEMOLITION . .	LS	-	-	(470)
SUBTOTAL.	-	-	-	4,440
CONTENGENCY (5%).	-	-	-	220
TOTAL CONTRACT COST	-	-	-	4,660
SUPERVISION, INSPECTION & OVERHEAD (5.5%) .	-	-	-	260
TOTAL REQUEST	-	-	-	4,920
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, concrete foundation and floor, loading platform, access ramp, grounding and intrusion detection system, utilities, access roads; one-story reinforced concrete and masonry building, concrete foundation and floor, concrete blast doors, equipment control room, bridge crane, loading platform, access ramp, grounding system, lightning protection, intrusion detection system, heating and air conditioning, utilities, fire protection system.

11. REQUIREMENT: 18,170 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 pointed out that a 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. The 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. Further information is on file for inspection by authorized personnel upon request.
(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
MISSILE MAGAZINE	P-472

11. REQUIREMENT: (Continued)
CURRENT SITUATION: There are no existing facilities available to provide all the specialized features necessary to meet the requirements needed to perform development and operational test and evaluation reviews.
IMPACT IF NOT PROVIDED: The Navy will not have adequate test and storage space 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..... 1-88
- (b) Percent Complete as of January 1989..... 35
- (c) Date Design 35% Complete..... 11-88
- (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..... (290)
- (b) All Other Design Costs..... (20)
- (c) Total..... 310
- (d) Contract..... (290)
- (e) In-house..... (20)

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

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA	TACIT RAINBOW MISSILE MAGAZINES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1702031N	421.72	P-478	2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TACIT RAINBOW MISSILE MAGAZINES.	SF	11,060	-	1,900
MAGAZINES.	SF	11,060	144.00	(1,590)
LOADING DOCKS.	LS	-	-	([illegible])
SUPPORTING FACILITIES.	-	-	-	[illegible]0
UTILITIES.	LS	-	-	([illegible]30)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(230)
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

Two earth-covered reinforced concrete three-bay magazines, 16-foot wide doors, concrete foundation and floor, concrete loading platform, access ramp, intrusion detection system, fire protection and alarm systems, utilities.

11. REQUIREMENT: 11,060 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs two missile storage magazines. (New mission.)
REQUIREMENT: Adequate facilities to support the Yorktown designation for storage and processing of new weapons systems and conducting specialized fleet introduction support. TACIT RAINBOW, one such new system, is a radar-hunting missile that employs advanced stand-off weapon technology in operating against air-defense systems. Storage and maintenance of the TACIT RAINBOW weapons system and related storage for service to the fleet requires additional and upgraded facilities.
CURRENT SITUATION: Yorktown is designated as the east coast storage and issue point for the TACIT RAINBOW weapons system. There are no available magazines to satisfy this new operational, security, and safety requirement.
IMPACT IF NOT PROVIDED: The Navy will not have adequate maintenance and storage space available to introduce and provide on-going support to the fleet for this newly developed weapons system.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
TACIT RAINBOW MISSILE MAGAZINES	P-478

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 1989..... 35
(c) Date Design 35% Complete..... 10-88
(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..... (60)
(b) All Other Design Costs..... (10)
(c) Total..... 70
(d) Contract..... (60)
(e) In-house..... (10)

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

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL HOSPITAL, BREMERTON, 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	135	320	254	0	0	0	0	0	0	709
b. END FY 1994	149	282	254	0	0	0	0	0	0	695

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(49)	
b. INVENTORY TOTAL AS OF 30 SEP 88		27,960
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		5,850
h. GRAND TOTAL		34,810

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.12	BACHELOR ENLISTED QUARTERS	LS	1,000	05/88	05/89
	TOTAL		1,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provides inpatient and outpatient helath care for active duty Navy and Marine Corps personnel, Federal Uniformed Services personnel, and other authorized beneficiaries.

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

A: POLLUTION ABATEMENT	10
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON	NAVAL SEA SYSTEMS COMMAND	1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	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		308,030
c. AUTHORIZATION NOT YET IN INVENTORY		30,450
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		21,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,700
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,700
g. REMAINING DEFICIENCY		91,390
h. GRAND TOTAL		457,470

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.70	INDUST SPT COMPLEX - INC I	63,000 SF	20,200	05/88	09/89
740.74	CHILD CARE CENTER	LS	1,000	-	-
	TOTAL		21,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
813.20	DRY DOCK UTILITIES UPGRADE	LS	1,700	11/88	09/89
	TOTAL		1,700		
B. MAJOR PLANNED NEXT THREE YEARS:					
163.10	INACTIVE SUB MOVING FAC	LS	2,700		
413.10	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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON	INDUSTRIAL SUPPORT COMPLEX (INCREMENT I)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702228N	213.70	P-620	20,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
INDUSTRIAL SUPPORT COMPLEX	SF	63,000	-	12,500
INDUSTRIAL BUILDING	SF	48,000	100.00	(4,800)
BATTERY SHOP	SF	15,000	109.00	(1,640)
PIER AND DRY DOCK UPGRADE	LS	-	-	(3,610)
TRAINING ENCLOSURE PIT AND FOUNDATION	LS	-	-	(650)
TECHNICAL OPERATING MANUALS	LS	-	-	(600)
BUILT-IN EQUIPMENT	LS	-	-	(1,200)
SUPPORTING FACILITIES	-	-	-	5,740
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(3,250)
UTILITIES, PURE WATER PIPELINE	LS	-	-	(1,610)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(880)
SUBTOTAL	-	-	-	18,240
CONTINGENCY (5%)	-	-	-	910
TOTAL CONTRACT COST	-	-	-	19,150
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	1,050
TOTAL REQUEST	-	-	-	20,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two structural steel buildings, high and low-bays, inner and outer metal wall siding, reinforced concrete foundations and floors, bridge cranes, pure water pipeline, fire protection system, air conditioning, high-efficiency ventilation system, utilities; emergency power generators, radiological shielding, loading docks, security system, chilled water coolers, compressed-air system; training enclosure pit; utility tunnel; demolition of three buildings.

11. REQUIREMENT: 140,750 SF. ADEQUATE: 77,750 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides the first of three increments of an industrial support complex. Upgrades Pier 3 to provide simultaneous berthing of a NIMITZ class carrier and a TRIDENT submarine. Upgrades utilities at Dry Docks 4 and 5 and relocates a battery shop. Constructs training enclosure pit with foundation. (Current mission.)
REQUIREMENT: Adequate and properly-configured facilities to support the increasing number of nuclear vessels scheduled for refueling and overhauls, and to support new work assigned to the shipyard. This facility will be able to support the Trident submarine missile conversion and overhauls, refuelings, and nuclear carrier (CVN-70, VINSON) and cruiser overhauls beginning in September 1990. The first increment will construct a waterfront support facility for support of engine room steaming operations, chilled water, emergency power requirements, tool issuing shop and office spaces. A second increment will construct a support office and shops and a dockside nuclear repair facility for repair of components and processing of

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
INDUSTRIAL SUPPORT COMPLEX (INCREMENT I)	P-620

11. REQUIREMENT: (Continued)
liquid and solid wastes. The third increment will install steam boilers and associated piping.
CURRENT SITUATION: The dry dock and pier areas currently have portable shacks because of a lack of permanent facilities. Inefficiencies and reductions in productivity exist because of a lack of control over material and work areas, a major problem in a crowded waterfront. It is estimated that 90 percent of the portable shacks in the area around Dry Docks 4 and 5 and Pier 3 will be eliminated by this project. The existing support services in the area are not sufficient to support the currently scheduled workload for Dry Docks 4 and 5 and Pier 3 during the early 1990s. Electrical and pure water service at Pier 3 cannot support simultaneous berthing of a NIMITZ class carrier and a TRIDENT submarine. Presently, test steam service is not available to support the one to three TRIDENT class submarines to be overhauled beginning in the fall of 19$2.
IMPACT IF NOT PROVIDED: The shipyard will be unable to effectively perform the work assigned, in a timely manner. This will result in schedule slippages, higher costs, adverse affects to overhaul completion dates, and ultimately to Fleet 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..... 5-88
- (b) Percent Complete as of January 1989..... 40
- (c) Date Design 35% Complete..... 9-88
- (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..... (1000)
- (b) All Other Design Costs..... (600)
- (c) Total..... 1600
- (d) Contract..... (1540)
- (e) In-house..... (60)

(4) Construction start..... 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
PUGET SOUND NAVAL SUPPLY CENTER, BREMERTON, WASHINGTON	NAVAL SUPPLY 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	17	4	694	0	0	5	0	0	12	732
b. END FY 1994	23	4	1045	0	0	5	0	0	12	1089

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(263)	
b. INVENTORY TOTAL AS OF 30 SEP 88		26,360
c. AUTHORIZATION NOT YET IN INVENTORY		6,880
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		690
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		14,000
g. REMAINING DEFICIENCY		7,020
h. GRAND TOTAL		54,950

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
811.60	EMERGENCY GENERATORS	LS	690	06/88	07/89
	TOTAL		690		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

812.30	ELEC DIST UPGRADE	LS	1,600
441.30	HAZ & FLAMMABLE STOREHS	LS	12,400

10. MISSION OR MAJOR FUNCTIONS:

Provides a wide variety of supply and support services to numerous Navy activities in the geographic area, active and reserve fleet units, Military Sealift Command and Coast Guard ships, and selected items for the Pacific area Fleet Ballistic Missile Program. Direct supply point for the Defense Supply Agency and Defense Fuel Supply Point for bulk petroleum products. The center is a storage point for Navy Prepositioned War 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 1990 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		11,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		22,150
f. PLANNED IN NEXT THREE PROGRAM YEARS		62,280
g. REMAINING DEFICIENCY		67,200
h. GRAND TOTAL		354,100

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	CARRIER PIER (PHASE III)	LS	11,200	07/85	09/86
	TOTAL		11,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

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		

B. MAJOR PLANNED NEXT THREE YEARS:

812.30	CVBG SUPPORT COMPLEX	LS	14,280		

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, EVERETT, WASHINGTON	CARRIER PIER (PHASE III)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	812.30	P-087	11,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CARRIER PIER	LS	-	-	10,110
UTILITY CONNECTIONS	LS	-	-	(4,150)
UTILITIES DISTRIBUTION SYSTEMS	LS	-	-	(3,300)
PIER FENDERING	LS	-	-	(2,660)
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

Utility piping and connections; pier fendering.

11. REQUIREMENT: As Required.

PROJECT: Constructs pier utilities distribution systems for steam, electricity, compressed air, wastewater, potable water, and saltwater; provides utilities connections and pier fendering. (New mission.)

REQUIREMENT: Adequate berthing facilities and utilities to homeport 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 homeport under construction. Prior increments have provided facilities needed to meet a portion of the base infrastructure and berthing requirements. However, completion of these facilities is required to provide adequate support for the CVBG.

IMPACT IF NOT PROVIDED: The carrier pier will be incomplete and unable to support the CVBG. Essential protective fendering will not be in place, increasing the risk of damage to ships and the pier. Utilities service will not be available.

(Continued on DD 1391c)

1. COMPONENT	FY 19^{90} MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL STATION, EVERETT, WASHINGTON	
4. PROJECT TITLE	5. PROJECT NUMBER
CARRIER PIER (PHASE III)	P-087

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 1989	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	(290)
(b)	All Other Design Costs	(110)
(c)	Total	400
(d)	Contract	(365)
(e)	In-house	(35)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 1990 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		1,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		18,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		21,150
g. REMAINING DEFICIENCY		43,050
h. **GRAND TOTAL**		176,070

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BEQ MODERNIZATION	16,000 SF	1,850	05/88	09/88
	TOTAL		1,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
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		
B. MAJOR PLANNED NEXT THREE YEARS:					
136.65	HELICOPTER PAD	LS	400		
151.10	PIER IMPROVEMENTS	LS	2,500		

10. MISSION OR MAJOR FUNCTIONS:

Proof, test, and evaluate underwater weapons, weapons systems, and components; exercise design cognizance of underwater weapon systems acoustic and tracking ranges and associated range equipment; provide engineering and technical support services for designated undersea warfare programs; provide material and logistics support for assigned weapon systems, weapons or components; act as in-service engineering agent for designated undersea weapons systems.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	600
B: INSTALLATION RESTORATION	10,040
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL UNDERSEA WARFARE ENGINEERING STATION, KEYPORT, WASHINGTON	BACHELOR ENLISTED QUARTERS MODERNIZATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	721.11	P-752	1,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS MODERNIZATION . .	SF	16,000	51.00	820
SUPPORTING FACILITIES.	-	-	-	850
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(690)
UTILITIES.	LS	-	-	(160)
SUBTOTAL	-	-	-	1,670
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,750
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	100
TOTAL REQUEST.	-	-	-	1,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Building alterations and modernization including partitions, new ceiling, wall and floor finishes; seismic upgrade; fire protection system, ventilation, utilities; 24 two-bedroom modules with private bathrooms, lounges, laundry, storage.
Grade mix: 67 E1-E4, 13 E5-E6. Total: 80.

11. REQUIREMENT: 141 PN. ADEQUATE: 141 PN. SUBSTANDARD: 80 PN.
PROJECT: Modernizes billeting spaces to provide adequate billeting for 80 personnel assigned to the station. (Current mission.)
REQUIREMENT: Adequate housing for 141 enlisted personnel.
CURRENT SITUATION: Existing adequate berthing capacity of 141 spaces includes 80 substandard spaces requiring modernization. There is no new construction requirement at this station. After modernization of the spaces requested by this project, billeting requirements will be satisfied. All projected space requirements are revalidated annually by a new survey, which updates planning projections.
IMPACT IF NOT PROVIDED: Overcrowding of adequate facilities will continue, and some station personnel will be required to live in substandard housing below the minimum standard of adequacy, to the detriment of morale and career retention efforts.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL UNDERSEA WARFARE ENGINEERING STATION, KEYPORT, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS MODERNIZATION	P-752

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 1989..... 100
(c) Date Design 35% Complete..... 7-88
(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..... (90)
(b) All Other Design Costs..... (95)
(c) Total..... 185
(d) Contract..... (180)
(e) In-house..... (5)

(4) Construction start..... 12-89 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL RADIO STATION JIM CREEK, OSO, WASHINGTON	NAVAL TELECOMMUNICATIONS COMMAND	1.20

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	1	2	47	0	0	0	0	0	0	50
b. END FY 1994	1	2	47	0	0	0	0	0	0	50

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,941)	
b. INVENTORY TOTAL AS OF 30 SEP 88		10,710
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		11,910

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
811.60	STAND-BY GENERATOR PLANT	1,400 SF	1,200	05/88	07/89
	TOTAL		1,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Manage, operate, and maintain those facilities, systems, equipments and devices necessary to provide requisite communications for the command, operational controll, and administration of the Naval Establishment; to manage, operate and maintain those facilities of the Defense Communications System as assigned.

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

A: POLLUTION ABATEMENT	10
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL RADIO STATION JIM CREEK, OSO, WASHINGTON	STAND-BY GENERATOR PLANT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303196N	811.60	P-070	1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STAND-BY GENERATOR PLANT	SF	1,400	-	840
BUILDING	SF	1,400	50.00	(70)
GENERATOR.	LS	-	-	(770)
SUPPORTING FACILITIES.	-	-	-	250
UTILITIES.	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(90)
SUBTOTAL	-	-	-	1,090
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,140
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	60
TOTAL REQUEST.	-	-	-	1,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story metal building, concrete foundation and floor, diesel generator, fuel tanks, fire protection system, utilities; access road.

11. REQUIREMENT: 1,400 SF. ADEQUATE: 0 SF. SUSTANDARD: 0 SF.
PROJECT: Provides building to house an emergency generator and related electrical switchgear for transfer of critical technical load on failure of primary power. (Current missic .)
REQUIREMENT: Adequate stand-by electric power is an absolute necessity for the radio transmitter during primary power outages to permit continuous strategic very low frequency (VLF) broadcast communications for the Eastern Pacific Ocean.
CURRENT SITUATION: The existing generator is 30 years old and does not have nor can it be refitted for automatic start capability upon primary power loss. Manual starting procedure takes approximately ten minutes under normal conditions.
IMPACT IF NOT PROVIDED: The strategic VLF broadcast communications for the Eastern Pacific Ocean via radio would be disrupted for extended periods of time, rendering the facility inadequate to fulfill it's primary mission. Urgent essential information would be delayed in transmission, rendering ineffective the Naval vessels in the Eastern Pacific Ocean, jeopardizing national defense.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL RADIO STATION JIM CREEK, OSO, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
STAND-BY GENERATOR PLANT	P-070

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 1989	40
(c)	Date Design 35% Complete	10-88
(d)	Date Design Complete	7-89

(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	(50)
(c)	Total	105
(d)	Contract	(95)
(e)	In-house	(10)

(4) Construction start: 3-90 (month and year)

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

S/N 0102-LF-001-3915

PROJECT JUSTIFICATION FORMS OUTSIDE THE UNITED STATES

6" OUTSIDE U.S.

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL COMMUNICATION DETACHMENT, ASCENSION ISLAND	NAVAL TELECOMMUNICATIONS COMMAND	2.00

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/88			OPERATED BY THE U.S. AIR FORCE							
b. END FY 19 94										

7. INVENTORY DATA ($000)

Tenant of Air Force

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 1988	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	3,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
811.45	Utilities Support Upgrade	LS	3,500	06/88	02/89
	TOTAL		3,500		

9. Future Projects:

a. Included in following program: None.

b. Major Planned Next Three Years: None.

10. Mission Major Functions: As an activity of the Naval telecommunications system, manages, operates, and maintains 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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL COMMUNICATION DETACHMENT, ASCENSION ISLAND	UTILITIES SUPPORT UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303196N	811.45	P-967	3,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITIES SUPPORT UPGRADE.	LS	-	-	3,160
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

500 KW primary power generator, concrete pad; 500 and two 100 KW emergency generators at three locations, concrete pads; associated transformers, switchgear, fuel tanks; building addition, air conditioning.

11. REQUIREMENT: As Required.

PROJECT: Provides additional primary power generation capacity at power plant; emergency back-up power at the communication operations building, the transmitter site, and the receiver site; additional air conditioning at the transmitter site. (Current mission.)

REQUIREMENT: Adequate utilities support for the Navy's high frequency (HF) transmitters and receivers on Ascension Island to support various Atlantic Fleet operations in the South Atlantic Ocean. For reliable communications, there must be sufficient primary power plant generating capacity, back-up power at each of the three component communications sites, and air conditioning for communications equipment.

CURRENT SITUATION: Adequate primary power at the power plant is not available for the Navy beyond that required for the Air Force missions on Ascension Island. Presently, there is insufficient back-up power at the communication operations building, the transmitter site, and the receiver site for the communications system dedicated to Navy use. At the transmitter site, there is insufficient air conditioning. The Navy's needs for electric power exceed the spare capacity available from the Air Force assets.

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL COMMUNICATION STATION, HAROLD E HOLT EXMOUTH, AUSTRALIA	NAVAL TELECOMMUNICATIONS COMMAND	1.46

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	16	376	221	0	0	0	5	11	0	629
b. END FY 1994	16	376	221	0	0	0	5	11	0	629

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(18,155)	
b. INVENTORY TOTAL AS OF 30 SEP 88		84,200
c. AUTHORIZATION NOT YET IN INVENTORY		4,480
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		610
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,360
g. REMAINING DEFICIENCY		2,500
h. GRAND TOTAL		95,150

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	610	06/88	07/89
	TOTAL		610		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

843.10	FIRE PROTECTION SYSTEM	LS	3,360

10. MISSION OR MAJOR FUNCTIONS:
Provides command and control communications, ship-to-shore service to the Fleet, and satelite communications, using extremely low frequencies, high frequencies, and satelite terminal equipment. Primary area covered is the Southwest Pacific and Indian Ocean.

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 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL UNDERWATER SYSTEMS CENTER, ANDROS ISLAND, BAHAMAS	SPACE AND NAVAL WARFARE SYSTEMS COMMAND	2.51

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	7	10	633	0	0	0	20	34	50	754
b. END FY 1994	7	12	633	0	0	0	20	34	50	756

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(594)	
b. INVENTORY TOTAL AS OF 30 SEP 88		35,900
c. AUTHORIZATION NOT YET IN INVENTORY		3,730
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,140
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		4,950
g. REMAINING DEFICIENCY		5,000
h. GRAND TOTAL		53,720

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.15	PHYSICAL SECURITY IMPROVES	LS	4,140	04/88	06/89
	TOTAL		4,140		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

811.25	POWER PLANT MODERNIZATION	LS	4,950

10. MISSION OR MAJOR FUNCTIONS:

Deep water test and evaluation facility for making underwater acoustic measurments, testing and calibrating sonars, and providing accurate underwater, surface, and in-air tracking data on surface ships, submarines aircraft and weapons in support of the US Navy's anti-submarine warfare and undersea research and development programs, and for ASW fleet assessment and operational readiness.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL UNDERWATER SYSTEMS CENTER, ANDROS ISLAND, BAHAMAS	PHYSICAL SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	872.15	P-301	4,140

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICAL SECURITY IMPROVEMENTS.	LS	-	-	2,020
ALARM CONTROL BUILDING.	SF	1,000	480.00	(480)
FENCING	LF	7,460	45.00	(340)
LIGHTING.	LS	-	-	(490)
GATES	LS	-	-	(140)
TOWERS.	LS	-	-	(420)
TECHNICAL OPERATING MANUALS	LS	-	-	(150)
SUPPORTING FACILITIES	-	-	-	1,710
UTILITIES	LS	-	-	(640)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,070)
SUBTOTAL.	-	-	-	3,730
CONTINGENCY (5%).	-	-	-	190
TOTAL CONTRACT COST	-	-	-	3,920
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	220
TOTAL REQUEST	-	-	-	4,140
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-(NON-ADD)		(1,770)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry building, concrete foundation and floor, prestressed concrete roof, air conditioning, utilities, 50-KW emergency generator; chain link security fencing; security lighting; road, automated vehicle and personnel gates, concrete foundations for closed circuit monitoring; towers; utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides physical security protection at several of the Atlantic Undersea Test and Evaluation Center (AUTEC) range sites on Andros Island. (Current mission.)

REQUIREMENT: An adequate and effective security system integrating physical and electronic systems for a controlled perimeter barrier at each of the crucial areas and to alert security personnel of unwarranted encroachments on the confines. AUTEC is a complex of three underwater measurement ranges (weapons, acoustic, and a fleet operational readiness accuracy check site) located off Andros Island. AUTEC's combination of shore and underwater range facilities make it possible to test and evaluate total anti-submarine warfare (ASW) combat systems. Mainland facilities at various locations on Andros Island, have minimal features for perimeter physical security resulting in critical Navy assets being vulnerable to terrorist or criminal actions. This center must preclude these actions from threatening its capability to perform its mission by controlling unauthorized access to classified test data and documents, military aircraft, and vital equipment and utilities. (Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL UNDERWATER SYSTEMS CENTER, ANDROS ISLAND, BAHAMAS

4. PROJECT TITLE	5. PROJECT NUMBER
PHYSICAL SECURITY IMPROVEMENTS	P-301

11. REQUIREMENT: (Continued)

CURRENT SITUATION: AUTEC consists of six active land-based sites on Andros Island. The main base and five separate down-range installations are from ten to thirty miles apart and remotely located along a deep ocean trench on the eastern shore of Andros Island. Together they function as an arena for support of the Navy's ASW and undersea research and development programs. Most sites have mission critical facilities and physically unrestricted shorelines, some have three to four strands of barbed wire fencing around portions of the site, and wharf and pier facilities are unprotected.

IMPACT IF NOT PROVIDED: Because of its remoteness, AUTEC has no external alternative and emergency security measures available. The potential will continue for unauthorized individuals or groups to gain access to mission critical facilities to perpetrate acts of espionage, sabotage, theft or violence with little risk of detection or apprehension. Such actions could threaten the safety of the Navy including loss of facilities, as well as compromising national security by enabling hostile forces to nullify weapons design prior to their initial operational capability.

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.

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 1989	35
(c) Date Design 35% Complete	11-88
(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	175
(b) All Other Design Costs	170
(c) Total	345
(d) Contract	245
(e) In-house	100

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL UNDERWATER SYSTEMS CENTER, ANDROS ISLAND, BAHAMAS

4. PROJECT TITLE	5. PROJECT NUMBER
PHYSICAL SECURITY IMPROVEMENTS	P-301

11. SUPPLEMENTAL DATA: (Continued)

(4) Construction start..... 12-89
(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)
Single Turnstile, Double Turnstile, Intrusion Detection System, Access Control System, Taut-wire Sensor System, Security Assessment System, Alarm Control System, Integrated Security System, Automated Vehicle Gate, Surveillance System, Surveillance Radar System	RDT&E	1990	1,770

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MOBILE CONSTRUCTION BATALLION, CAMP COVINGTON, 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	2	16	149	0	0	0	20	474	0	661
b. END FY 1994	2	12	149	0	0	0	20	474	0	657

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	4,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	4,300

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
722.10	MESS HALL	9,620 SF	4,300	03/88	03/89
	TOTAL		4,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provision of military forces for construction and major maintenance and repair of facilities in the Marianas area and the central Pacific.

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

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MOBILE CONSTRUCTION BATTALION, CAMP COVINGTON, GUAM	MESS HALL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896N	722.10	P-378	4,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MESS HALL	SF	9,620	297.00	2,860
SUPPORTING FACILITIES	-	-	-	1,010
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(280)
UTILITIES	LS	-	-	(340)
PAVING AND SITE IMPROVEMENT	LS	-	-	(310)
DEMOLITION	LS	-	-	(80)
SUBTOTAL	-	-	-	3,870
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST	-	-	-	4,070
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Single-story reinforced concrete and masonry building, pile foundation, concrete floor, built-up roofing on metal decking, air conditioning, fire alarm and protection system, utilities; dry chemical extinguishing system for galley; equipment for kitchen, galley, dining, serving, and storage areas; demolition of one building.

11. REQUIREMENT: 9,620 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a mess hall seating 244 persons to serve 475 assigned enlisted personnel at the Seabee Camp. (Current mission.)
REQUIREMENT: Adequate messing for 475 enlisted personnel. These rotational Seabee personnel are assigned to the Pacific Fleet's Naval Construction Battlion at Camp Covington. Enlisted messing is required at this remote location to provide unit integrity for operational deployment readiness objectives.
CURRENT SITUATION: Existing messing is accommodated in deteriorated metal buildings constructed in 1968. Age, minimal maintenance, and the harsh effects of tropical heat and a salt-air environment have deteriorated this messing structure to the point of making it unfit for continued occupancy and beyond economical repair. A new construction deficiency of 475 messing spaces exists for enlisted personnel. The messing requested by this project will satisfy the total messing deficit.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MOBILE CONSTRUCTION BATTALION, CAMP COVINGTON, GUAM

4. PROJECT TITLE	5. PROJECT NUMBER
MESS HALL	P-378

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Adequate mess facilities for deployed personnel will continue to be unavailable, resulting in degradation of morale, productivity, 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..... 3-88
- (b) Percent Complete as of January 1989..... 80
- (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..... (230)
- (b) All Other Design Costs..... (140)
- (c) Total..... 370
- (d) Contract..... (210)
- (e) In-house..... (160)

(4) Construction start..... 5-90 (month and year)

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

1. COMPONENT	FY 1990 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	27,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	30,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	77,970

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
134.70	Electronic Installation	LS	27,000	05/88	06/90
	TOTAL		27,000		

9. Future Projects:

a. Included in following program:

134.70	Electronic Installation	LS	30,000	01/89	07/90
	TOTAL		30,000		

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 90 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-225	27,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONIC INSTALLATION.	LS	-	-	20,810
TRANSMITTER SITE	LS	-	-	(2,670)
RECEIVER SITE.	LS	-	-	(12,500)
SUPPORT FACILITIES	LS	-	-	(2,770)
OPERATIONAL CONTROL CENTER	LS	-	-	(1,410)
FACILITY HARDENING	LS	-	-	(1,290)
TECHNICAL OPERATING MANUALS.	LS	-	-	(170)
SUPPORTING FACILITIES.	-	-	-	3,560
UTILITIES.	LS	-	-	(2,240)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,320)
SUBTOTAL	-	-	-	24,370
CONTINGENCY (5%)	-	-	-	1,220
TOTAL CONTRACT COST.	-	-	-	25,590
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	1,410
TOTAL REQUEST.	-	-	-	27,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(114,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Site preparation for relocatable-over-the-horizan-radar (ROTHR) system installation; reinforced concrete van pads, antenna footings and foundations, power plant addition, support facilities, operations facility, hardening, 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 90 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-225

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 1989..... 35
(c) Date Design 35% Complete..... 10-88
(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..... (1185)
(c) Total..... 2085
(d) Contract..... (1885)
(e) In-house..... (200)

(4) Construction start..... 9-90 (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)
Antenna and Operational Equipment	OPN	1990	114,000

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVY PUBLIC WORKS CENTER, GUAM	NAVAL FACILITIES ENGINEERING COMMAND	2.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	23	0	1685	0	0	0	4	0	0	1712
b. END FY 1994	25	6	1685	0	0	0	4	0	0	1720

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,095)	
b. INVENTORY TOTAL AS OF 30 SEP 88		290,500
c. AUTHORIZATION NOT YET IN INVENTORY		9,570
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,150
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		9,890
g. REMAINING DEFICIENCY		33,490
h. GRAND TOTAL		347,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831.20	MUNICIPAL SEWER CONNECTION	LS	4,150	-	-
	TOTAL		4,150		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

411.30	OIL SPILL PREVENTION	68,000 SF	660
441.30	HAZ/FLAMM STORAGE FAC	16,600 SF	4,400
811.25	BOILER PLANT MODS	LS	1,880
812.30	ELEC DIST LINES UPGRADE	60,820 LF	2,950

10. MISSION OR MAJOR FUNCTIONS:
Provide maintenance, repair, minor construction and other public works support, including transportation equipment, utilities, telephone, Navy housing, engineering services, and shore facilities planning assistance for Naval forces in the Guam area. Also supports the US Air Force, Government of Guam, Trust Territories of the Pacific Islands and other government and authorized agencies.

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

A:	POLLUTION ABATEMENT	710
B:	INSTALLATION RESTORATION	2,860
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	4,400

1. COMPONENT	FY 1990 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		7,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,030
f. PLANNED IN NEXT THREE PROGRAM YEARS		14,140
g. REMAINING DEFICIENCY		189,540
h. GRAND TOTAL		629,820

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411.20	FUEL FACILITIES	LS	7,500	09/87	09/88
	TOTAL		7,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

411.20	FUEL FACILITIES	LS	1,030	09/87	09/88
	TOTAL		1,030		

B. MAJOR PLANNED NEXT THREE YEARS:

124.30	FUEL FACILITY (PH-7)	19,000 CM	5,100
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 90 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-462	7,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL FACILITIES.	LS	-	-	20,930
STORAGE TANKS.	GA	1.980M	3.10	(6,120)
MANIFOLD BUILDING AND FACILITIES	LS	-	-	(5,030)
PIPELINES.	LF	14,220	428.00	(6,080)
TRUCK FILL-STAND	GM	1,200	1,050	(1,260)
OPERATIONS AND MAINTENANCE SUPPORT FACS. .	LS	-	-	(440)
UTILITIES, PAVING & SITE IMPROVEMENTS. . .	LS	-	-	(2,000)
SUBTOTAL	-	-	-	20,930
LESS: NATO SHARE.	-	-	-	-14,160
SUBTOTAL	-	-	-	6,770
CONTINGENCY (5%)	-	-	-	340
TOTAL CONTRACT COST.	-	-	-	7,110
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	390
TOTAL REQUEST.	-	-	-	7,500
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 2.69 miles of 12-inch diameter piping, cathodic protection, three-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 1,170,000 barrels of fuel will be programmed in seven increments. Overall

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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-462

11. REQUIREMENT: (Continued)
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 $14.16 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 90 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-462

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 1989	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	(445)
(b)	All Other Design Costs	(85)
(c)	Total	530
(d)	Contract	(465)
(e)	In-house	(65)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT: NAVY

2. DATE

FY 1990 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND LOCATION: NAVAL COMMUNICATION STATION, KEFLAVIK, ICELAND

4. COMMAND: NAVAL TELECOMMUNICATIONS COMMAND

5. AREA CONSTR. COST INDEX: 4 C1

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		8,450
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,370
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		4,300
h. GRAND TOTAL		17,120

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.50	TRANSMITTER BUILDING ADDN	LS	690	02/88	07/89
132.10	COMMUNICATIONS ANTENNA	LS	7,760	03/88	10/89
	TOTAL		8,450		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

131.15	COMMUNICATION CENTER	16,000 SF	4,370	07/88	09/89
	TOTAL		4,370		

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 1980 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL COMMUNICATION STATION, KEFLAVIK, ICELAND	COMMUNICATIONS ANTENNA

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303196N	132.10	P-568	7,760

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATIONS ANTENNA	LS	-	-	10,000
TOWER AND GROUND SCREEN	LS	-	-	(7,620)
HELIX HOUSE	SF	2,610	724.00	(1,890)
CABLE TRENCH	LF	2,450	53.00	(130)
BUILDINGS ADDITION	LS	-	-	(360)
SUPPORTING FACILITIES	-	-	-	2,140
UTILITIES	LS	-	-	(770)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(1,370)
US PART OF SIOH FOR NATO PORTION (3%)	-	-	-	160
SUBTOTAL	-	-	-	12,300
LESS: NATO SHARE	-	-	-	- 5,290
SUBTOTAL	-	-	-	7,010
CONTINGENCY (5%)	-	-	-	350
TOTAL CONTRACT COST	-	-	-	7,360
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	400
TOTAL REQUEST	-	-	-	7,760
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

1,000-foot top-loaded antenna, ground screen; reinforced concrete helix house; addition to two buildings; 750-KW generator, 1,000-KVA transformer; perimeter road and security fencing; utilities; demolition of 800-foot steel tower.

11. REQUIREMENT: As Required.

PROJECT: Constructs a 1,000-foot high low-frequency (LF) communications antenna tower. (Current mission.)

REQUIREMENT: Adequate low-frequency high-power transmitting facility for efficient and effective communications.

CURRENT SITUATION: The existing 800-foot high LF antenna tower is over 35 years old and because of excessive deterioration has become ineffective and a safety hazard. Radiation efficiency of the tower is low.

IMPACT IF NOT PROVIDED: Limitations presently encountered on low-frequency transmission from Iceland will continue. Possible loss of tower threatens the availability of low-frequency communications in the Northern hemisphere.

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 responsiblity of the U.S., except when construction is eligible for NATO Common Infrastructure funding. This project is conjunctively funded with the U.S. and NATO sharing the total cost of construction. Prefinancing under NATO procedures is not planned for this project.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATION STATION, KEFLAVIK, ICELAND

4. PROJECT TITLE	5. PROJECT NUMBER
COMMUNICATIONS ANTENNA	P-568

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 1989	35
(c)	Date Design 35% Complete	9-88
(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	(70)
(b)	All Other Design Costs	(30)
(c)	Total	100
(d)	Contract	(85)
(e)	In-house	(15)

(4) Construction start: 3-90 (month and year)

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

1. COMPONENT: NAVY

2. DATE

FY 1990 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND LOCATION: NAVAL SUPPORT ACTIVITY, NAPLES, ITALY

4. COMMAND: COMMANDER IN CHIEF, US NAVAL FORCES EUROPE

5. AREA CONSTR. COST INDEX: 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	646	3155	436	0	0	0	9	8	0	4254
b. END FY 1994	796	3305	436	0	0	0	9	8	0	4554

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(173)	
b. INVENTORY TOTAL AS OF 30 SEP 88		15,340
c. AUTHORIZATION NOT YET IN INVENTORY		34,220
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		46,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		99,550
h. **GRAND TOTAL**		195,710

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	STATUS COMPLETE
143.65	CMD CTL CMS&INTEL CX-IN II	LS	46,600	03/85	05/90
	TOTAL		46,600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Support all Naval commands and organizations ashore in the Naples area, using mainly leased facilities in Agnano, Pinetemare and Bagnoli; and the military controlled compound at Capodichino Airport. Commands include Sixth Fleet task force commanders and staffs for: 1) combat support force (CTF-63), 2) ballistic missile submarine force (CTF-64), 3) area anti-submarine warfare force (CTF-66), 4) maritime surveillance and reconnaissance force (CTF-67), and 5) attack submarine force (CTF-69). Also supported is the Commander, Fleet Air Mediterranean staff, responsible for management of all Navy shore bases in the Mediterranean. U.S. personnel assigned to the Allied Forces, Southern Europe (AFSOUTH) NATO command in Naples are also a responsibility. Communications Station, Naval Hospital, fleet landing on Naples waterfront, leased family housing at Pinetemare and Sixth Fleet flagship at Gaeta are also supported.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUPPORT ACTIVITY, NAPLES, ITALY	COMMAND CONTROL COMMUNICATIONS AND INTELLIGENCE COMPLEX (INCREMENT II)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	143.65	P-126B	46,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMAND CONTROL COMM & INTELLIGENCE COMPLEX.	LS	-	-	42,070
SUBTOTAL	-	-	-	42,070
CONTINGENCY (5%)	-	-	-	2,100
TOTAL CONTRACT COST.	-	-	-	44,170
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	2,430
TOTAL REQUEST.	-	-	-	46,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story reinforced concrete frame and masonry earthquake resistant structures, concrete foundations, air conditioning, fire protection systems, security features including intrusion detection systems; basement, sub-basement spaces in C^3I facility; emergency power system; parking structure, security fencing, lighting, utilities distribution, roads, site improvements; administrative facility with computer spaces, raised computer flooring; Marine guard force support building with armory, alarm center, orderly room; pass and identification facilities; demolition of structures and site clearing, removals; temporary space to accommodate demolition, alteration of structures, relocations.

11. REQUIREMENT: As Required.

PROJECT: Provides a secure command, control, communications and Intelligence (C^3I) facility at the Capodichino airfield on U.S. controlled land. The project is programmed in two increments. The FY 1989 program begins redevelopment of Capodichino with utilities and site upgrade, BEQ space, security and fire station facility, and parking structure. This increment will construct the C^3I facility, USMC general purpose building, administrative facility, parking structure, pass and identification facilities, and site utilities. (Current mission.)

REQUIREMENT: A safe, survivable, earthquake-proof C^3I complex to accommodate staffs that report directly to the Commander in Chief, U.S. Naval Forces, Europe. These staffs are based in Naples and maintain

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUPPORT ACTIVITY, NAPLES, ITALY

4. PROJECT TITLE	5. PROJECT NUMBER
COMMAND CONTROL COMMUNICATIONS AND INTELLIGENCE COMPLEX (INCREMENT II)	P-126B

11. REQUIREMENT: (Continued)
operational control over U.S. Forces at sea in the Mediterranean region, including attack and ballistic missile submarines, patrol aircraft, reconnaissance aircraft, and the combat logistics force of replenishment ships. Operations must be sustained in peacetime and during conflicts. Space is also needed for controlling fleet logistics support, i.e. movement of personnel, fuel, ammunition, and stores. Functions such as search and rescue, and control of Navy's shore bases throughout Southern Europe must also be housed in Naples. A critical need exists to collocate staffs and operational communications, centralizing all facets of C^3I in a single building. Benefits gained will include more reliable and integrated command of Naval forces deployed to the Mediterranean in peacetime, in reacting to contingencies there, or in war time. The location in Naples of U.S. C^3I functions is directly related to the presence there of NATO HQ Allied Forces, Southern Europe (AFSOUTH), with its large U.S. contingent and responsibility for war time direction of certain U.S. forces.
CURRENT SITUATION: Command control (C^2I) personnel and equipment are situated in leased buildings in the Agnano area of Naples. The operational communications function is located in the AFSOUTH Bagnoli compound, two miles distant. The Agnano facilities, built twenty-two years ago, were not designed to resist earthquakes and tremors that occur in Naples, hence a danger of sudden catastrophic collapse exists. This portends disaster for the 1,000 people who work and stand watches in the C^2I building round-the-clock, and for the continuity of reliable and timely command of Sixth Fleet and other U.S. elements operating in the Mediterranean. The leased facilities are outmoded and undersized for today's situation. Techniques for handling, manipulation, processing and display of tactical and strategic information in the present Operations Control Center are of the 1940's vintage. Space is not available, and utilities back-up is lacking, for modern communications suites. Plotting boards are rolled into place on tracks and charts are manually marked-up. Watch standers are severely crowded and must share space. Requirements grew heavily over the past twenty-years, but the physical limits of a leased building prevented its growing with them. Fifteen countries (only five of them NATO allies) share the Mediterranean coastline. Naval force structures of the countries grew substantially over the past twenty years such that on any given day more than 2,000 ships now operate in the Mediterranean, many of them submarines. The continuous soviet presence is forty-five ships. The Sixth Fleet's responsibilities have grown commensurately, and the need to react to changing situations is much more complex. Seismic activity increased in 1982 through 1984 causing cracking, spalling and heightened concern. Interim repairs are in progress to reduce damage and risk. Technical studies recommend relocation as the only feasible, long-term solution. Located in densely developed Agnano crater, with heavy traffic and

(Continued on DD 1391c)

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUPPORT ACTIVITY, NAPLES, ITALY

4. PROJECT TITLE	5. PROJECT NUMBER
COMMAND CONTROL COMMUNICATIONS AND INTELLIGENCE COMPLEX (INCREMENT II)	P-126B

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
narrow streets restricting mobility, and high ground surrounding on all sides, the Navy's complex cannot be secured against terrorism.
IMPACT IF NOT PROVIDED: Potential catastrophic loss of personnel and Sixth Fleet C^3I capability because of an earthquake. Potential interruption of C^3I, with serious degradation of ability to carry-out mission. Unable to install modern data processing, display, and analysis equipment, efforts within authority available to minimize danger, but precluded by physical limitations from going much further with such measures.
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, 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..... 3-85
- (b) Percent Complete as of January 1989..... 35
- (c) Date Design 35% Complete..... 11-88
- (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..... (500)
- (b) All Other Design Costs..... (200)
- (c) Total..... 700
- (d) Contract..... (600)
- (e) In-house..... (100)

(4) Construction start..... 7-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR FACILITY, ATSUGI, JAPAN	COMMANDER IN CHIEF, PACIFIC FLEET	1.89

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	104	1000	692	0	0	0	144	790	0	2730
b. END FY 1994	97	1021	692	0	0	0	144	790	0	2744

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,771)	
b. INVENTORY TOTAL AS OF 30 SEP 88		26,250
c. AUTHORIZATION NOT YET IN INVENTORY		980
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		14,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		15,080
g. REMAINING DEFICIENCY		16,060
h. GRAND TOTAL		73,270

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.05	MAINTENANCE HANGAR	38,840 SF	14,900	04/88	08/89
	TOTAL		14,900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

842.10	FIRE PROTECTION SYSTEM	252,950 SF	8,430
113.20	AIRCRAFT PARKING APRON	37,300 SY	6,650

10. MISSION OR MAJOR FUNCTIONS:
Provide logistic support and services to units of the Pacific Fleet operating in Japan, including housing, personnel support, aircraft intermediate maintenance, and administrative and supply support.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR FACILITY, ATSUGI, JAPAN	MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	211.05	P-095	14,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGAR	SF	38,840	-	10,800
HANGAR BUILDING	SF	38,840	162.00	(6,290)
PARKING AND ACCESS APRON	SY	29,000	78.00	(2,260)
FIRE PROTECTION SYSTEM	LS	-	-	(940)
BOILER PLANT RELOCATION	LS	-	-	(800)
BUILT-IN EQUIPMENT	LS	-	-	(510)
SUPPORTING FACILITIES	-	-	-	2,650
UTILITIES	LS	-	-	(1,440)
PAVING AND SITE IMPROVEMENT	LS	-	-	(400)
DEMOLITION	LS	-	-	(810)
SUBTOTAL	-	-	-	13,450
CONTINGENCY (5%)	-	-	-	670
TOTAL CONTRACT COST	-	-	-	14,120
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	780
TOTAL REQUEST	-	-	-	14,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame aircraft maintenance hangar, masonry walls, concrete foundation and floors, metal roof; foam and water deluge and wet sprinkler systems; boiler plant relocation; ventilation, air conditioning, utilities; aircraft access and parking aprons with washrack; demolition of ten buildings.

11. REQUIREMENT: 38,840 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides an aircraft maintenance hangar. (Current mission.)
REQUIREMENT: Adequate and properly-configured facilities to accommodate station aircraft, the USS Midway carrier airwing, and transient aircraft. The airwing includes 98 aircraft, and these are on-board the activity about 75% of the time. An aircraft maintenance hangar is necessary to the operation and maintenance of these aircraft.
CURRENT SITUATION: Maintenance is performed in three old and highly flammable hangars lacking fire protection. The available hangar floor space is too small for the workload. Some maintenance is done on parking aprons. Tools, supplies, parts and ground support equipment must be transported to the apron and back to the hangar when work is completed. Types of Navy carrier aircraft supported include the F-14, A-7, A-6, E-2C, EA-6B, S-3, and SH-3.
IMPACT IF NOT PROVIDED: Maintenance will continue to be performed on the parking apron, even under adverse conditions. The quality level of operations and maintenance will suffer, to the detriment of fleet combat readiness.
(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR FACILITY, ATSUGI, JAPAN

4. PROJECT TITLE	5. PROJECT NUMBER
MAINTENANCE HANGAR	P-095

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. This project was presented to the Government of Japan for funding under the JFIP program, and it was not accepted.

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 1989..... 40
- (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..... (425)
- (b) All Other Design Costs..... (240)
- (c) Total..... 665
- (d) Contract..... (510)
- (e) In-house..... (155)

(4) Construction start..... 6-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS BASE CAMP SMEDLEY D. BUTLER, OKINAWA, JAPAN	COMMANDANT OF THE MARINE CORPS	1.99

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	1544	16790	266	0	0	0	392	6243	0	25235
b. END FY 1994	1439	14589	3187	4	180	0	334	6104	0	25837

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(79,158)	
b. INVENTORY TOTAL AS OF 30 SEP 88		757,280
c. AUTHORIZATION NOT YET IN INVENTORY		16,350
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		10,060
g. REMAINING DEFICIENCY		546,610
h. GRAND TOTAL		1,333,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	COMB ARMS STAFF TRNR FAC	14,000 SF	3,200	04/88	08/89
	TOTAL		3,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

219.30	PAINTG & RELTD OPNS BLDG	LS	5,000
610.10	ADMIN BLDG ADDN (FOSTER)	LS	580
610.72	BATTALION HQTRS	LS	3,150
740.43	GYMNASIUM ADDITION	10,830 SF	1,330

10. MISSION OR MAJOR FUNCTIONS:
Provide training facilities, logistics support and limited administrative support for Fleet Marine Force units located on Okinawa and at Camp Fuji, Japan.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE CAMP SMEDLEY D. BUTLER, OKINAWA, JAPAN	COMBINED ARMS STAFF TRAINER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	171.35	P-900	3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBINED ARMS STAFF TRAINER FACILITY	SF	14,000	-	2,250
BUILDING	SF	14,000	146.00	(2,050)
BUILT-IN EQUIPMENT	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	640
UTILITIES.	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(420)
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 reinforced concrete and masonry building, concrete foundation and floor, mezzanine area, built-up roof, computer flooring, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 14,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a facility to house a combined arms staff trainer (CAST) at Camp Hansen. (Current mission.)

REQUIREMENT: An adequately and properly-configured facility for the CAST, which will exhibit actual terrain and equipment as a scale-model of the combat training areas to be utilized for training exercises. The CAST will be utilized by Marine Amphibious Brigade (MAB) and Marine Amphibious Force (MAF) units to realistically practice tactics prior to being used by actual Marine Forces during live-fire exercises.

CURRENT SITUATION: Battlefield simulations for practice exercise tactics are currently tested and rehearsed in an open lot, with terrain simulation accomplished using hand tools. This is poor simulation, prone to many errors, and subjects the model as well as the actual class to inclement weather.

IMPACT IF NOT PROVIDED: Outdoor tactical mission simulation, instruction, and evaluation will continue. Tactical unit leaders will be deprived of the benefit of a topographically correct terrain board. MAB and MAF units will be forced to learn and test tactics during live-fire exercises. This

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE CAMP SMEDLEY D. BUTLER, OKINAWA, JAPAN

4. PROJECT TITLE	5. PROJECT NUMBER
COMBINED ARMS STAFF TRAINER FACILITY	P-900

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
will create potentially hazardous situations and could result in extremely costly mistakes in terms of personnel and equipment.
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..... 4-88
- (b) Percent Complete as of January 1989..... 40
- (c) Date Design 35% Complete..... 9-88
- (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..... (165)
- (b) All Other Design Costs..... (120)
- (c) Total..... 285
- (d) Contract..... (220)
- (e) In-house..... (65)

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

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

1. COMPONENT: NAVY

FY 1990 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION: MARINE CORPS AIR STATION FUTENMA, OKINAWA, JAPAN

4. COMMAND: COMMANDANT OF THE MARINE CORPS

5. AREA CONSTR. COST INDEX: 1.99

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	13	129	5	0	0	0	444	2941	16	3548
b. END FY 1994	26	199	161	0	0	0	447	2943	22	3798

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE — TENANT OF MCB

b. INVENTORY TOTAL AS OF 30 SEP 88	266,267
c. AUTHORIZATION NOT YET IN INVENTORY	3,280
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,450
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	13,060
g. REMAINING DEFICIENCY	69,120
h. **GRAND TOTAL**	359,177

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116.65	TACTICAL SPT VAN PADS	17,650 SY	5,500	05/87	09/88
211.06	MAINT HANGAR ADDN	6,680 SF	1,950	04/88	08/89
	TOTAL		7,450		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

113.20	PARKING UPGRADE	2,800 SY	480
211.05	FIRE PROT AC HANGARS	LS	12,580

10. MISSION OR MAJOR FUNCTIONS:

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

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

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION FUTENMA, OKINAWA, JAPAN	MAINTENANCE HANGAR ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	211.06	P-892	1,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGAR ADDITION.	SF	6,680	-	1,240
BUILDING ADDITION.	SF	6,680	120.00	(800)
BUILT-IN EQUIPMENT	LS	-	-	(440)
SUPPORTING FACILITIES.	-	-	-	520
ELECTRICAL UTILITIES	LS	-	-	(240)
MECHANICAL UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(170)
SUBTOTAL	-	-	-	1,760
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,850
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	100
TOTAL REQUEST.	-	-	-	1,950
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, compressed air system, paint spray booth, monorail system, 400Hz power converter, 75 KVA transformer, oil-water separator, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 12,060 SF. ADEQUATE: 5,380 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an aircraft maintenance hangar addition to accommodate an increase in aircraft maintenance work. (Current mission.)
REQUIREMENT: Adequate and properly-configured facilities to support an increase of four KC-130 aircraft, 126 additional personnel, and equipment to maintain the new and on-board aircraft using this facility.
CURRENT SITUATION: The existing facility is undersized and the addition of more aircraft will further compound the already overcrowded situation. The present hangar has no overhead bridge crane, which further complicates heavy maintenance evaluations such as engine and propeller removal and installation. Shop vans and trailers have been utilized in an attempt to alleviate the overcrowding, but they have deteriorated to the point where they are no longer adequate for the purpose and are a safety hazard because of improper wiring. This squadron has only 44 percent of its required maintenance shop and administrative spaces, drastically impacting on maintenance efforts.

(Continued on DD1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION FUTENMA, OKINAWA, JAPAN

4. PROJECT TITLE	5. PROJECT NUMBER
MAINTENANCE HANGAR ADDITION	P-892

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The KC-130 squadron will not be able to adequately maintain the aircraft assigned. This will reduce operational readiness and deployability.
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..... 4-88
- (b) Percent Complete as of January 1989..... 40
- (c) Date Design 35% Complete..... 9-88
- (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..... (45)
- (b) All Other Design Costs..... (95)
- (c) Total..... 140
- (d) Contract..... (100)
- (e) In-house..... (40)

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

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

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION FUTENMA, OKINAWA, JAPAN	TACTICAL SUPPORT VAN PADS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	116.65	P-888	5,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TACTICAL SUPPORT VAN PADS	SY	17,650	-	2,280
PADS	SY	17,650	70.00	(1,240)
MAINTENANCE BUILDING	SF	6,000	160.00	(960)
HAZARDOUS/FLAMMABLE STORAGE BUILDING	SF	600	133.00	(80)
SUPPORTING FACILITIES	-	-	-	2,680
ELECTRICAL UTILITIES	LS	-	-	(1,500)
MECHANICAL UTILITIES	LS	-	-	(600)
PAVING AND SITE IMPROVEMENT	LS	-	-	(580)
SUBTOTAL	-	-	-	4,960
CONTINGENCY (5%)	-	-	-	250
TOTAL CONTRACT COST	-	-	-	5,210
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	290
TOTAL REQUEST	-	-	-	5,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Ten-inch thick concrete van pads with tie-downs and electrical power support including 400Hz power, computer trunk lines, telephone lines, water and compressed air lines; maintenance and flammable storage buildings of reinforced concrete frame and foundation, concrete floor, masonry walls, built-up roof, bridge crane; compressed air system, battery solution disposal, grounding system, emergency power generators; fire protection systems, utilities.

11. REQUIREMENT: 17,650 SY. ADEQUATE: 0 SY. SUBSTANDARD: 0 SY.
PROJECT: Constructs a tactical support van pad complex with attendant support facilities and upgrades electric power system. (Current mission.)
REQUIREMENT: Adequate mobile maintenance facilities (MMF). MMF are tactically deployable, intermediate level maintenance units which will provide Marine Aircraft Group-36 (MAG-36) the ability to deploy and take along the intermediate level maintenance support to permit keeping the aircraft in full operational status. MAG-36 will support 226 MMF. Eighty-four units are currently on-hand with the remainder scheduled to arrive by 1991.
CURRENT SITUATION: The MMF on-hand are staged on a dirt and gravel surface, with inadequate space between units, and no support facilities to maintain these mobile units. No additional area is available in the existing complex to allow for garrison set-up of these units. The existing utility system cannot provide adequate electric power to support these units.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION FUTENMA, OKINAWA, JAPAN

4. PROJECT TITLE	5. PROJECT NUMBER
TACTICAL SUPPORT VAN PADS	P-888

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The ability of MAG-36 to conduct intermediate level maintenance will be severely reduced. Electronic electrical intermediate level maintenance cannot be conducted.
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..... 5-87
- (b) Percent Complete as of January 1989..... 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..... (55)
- (b) All Other Design Costs..... (50)
- (c) Total..... 105
- (d) Contract..... (70)
- (e) In-house..... (35)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL COMMUNICATION STATION, ROOSEVELT ROADS, PUERTO RICO	NAVAL TELECOMMUNICATIONS 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	12	173	30	0	0	0	0	0	0	215
b. END FY 1994	12	173	30	0	0	0	0	0	0	215

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,913)	
b. INVENTORY TOTAL AS OF 30 SEP 88		10,910
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		700
g. REMAINING DEFICIENCY		0
h. **GRAND TOTAL**		12,910

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.50	TRANSMITTER COOLING SYS	LS	1,300	12/87	07/89
	TOTAL		1,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

131.15	COMMUNICATIONS CENTER ADDN	4,250 SF	700

10. MISSION OR MAJOR FUNCTIONS:
Operate and maintain tactical communications as directed by Chief of Naval Operations, and global communications as directed by Director Defense Communication Agency. To provide Navy tactical ship to shore and DCS point to point communications.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL COMMUNICATION STATION, ROOSEVELT ROADS, PUERTO RICO	TRANSMITTER COOLING SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303196N	131.50	P-133	1,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRANSMITTER COOLING SYSTEM	LS	-	-	1,170
SUBTOTAL	-	-	-	1,170
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,230
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Combination system of roof-mounted air conditioning units and transmitter-mounted heat exchange coils connected to roof-mounted condenser coils; system designed to maintain temperature and humidity within the operating tolerances of high-frequency transmitters.

11. REQUIREMENT: As Required.

PROJECT: Provides a transmitter cooling system to control air temperature and humidity within the transmitter building. (Current mission.)

REQUIREMENT: Adequate environmental control to permit energy efficient operation of high-frequency transmitters without damage.

CURRENT SITUATION: The existing system provides cooling for radio transmitters via outside air moved by mechanical ventilation. This outside air introduces humidity into the area, moisture condenses on the spare transmitters, and causes rapid corrosion.

IMPACT IF NOT PROVIDED: Transmitters will continue to deteriorate to the point of being unreliable and high-frequency transmissions from this site will be curtailed.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATION STATION, ROOSEVELT ROADS, PUERTO RICO

4. PROJECT TITLE	5. PROJECT NUMBER
TRANSMITTER COOLING SYSTEM	P-133

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	12-87
(b)	Percent Complete as of January 1989	45
(c)	Date Design 35% Complete	11-88
(d)	Date Design Complete	7-89

(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	(65)
(c)	Total	65
(d)	Contract	(5)
(e)	In-house	(60)

(4) Construction start: 2-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SECURITY GROUP ACTIVITY, EDZELL, SCOTLAND	NAVAL SECURITY GROUP COMMAND	.00

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	31	632	6	0	0	0	0	0	0	669
b. END FY 1994	39	706	6	0	0	0	0	0	0	751

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(457)	
b. INVENTORY TOTAL AS OF 30 SEP 88		21,600
c. AUTHORIZATION NOT YET IN INVENTORY		7,220
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,820
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,400
g. REMAINING DEFICIENCY		13,500
h. **GRAND TOTAL**		51,540

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.55	OPERATIONS BLDG ADDITION	16,600 SF	5,820	05/86	03/89
	TOTAL		5,820		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

143.80	CLASSIC WIZARD FACS UPGRDE	LS	800
143.80	CLASSIC WIZARD	LS	2,600

10. MISSION OR MAJOR FUNCTIONS:
Provide ship-to-shore tactical communications, monitor transmission procedures, and research into electronic phenomena.

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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

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

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0301011N	131.55	P-048	5,820

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS BUILDING ADDITION	SF	16,600	-	4,030
BUILDING ADDITION	SF	16,600	213.00	(3,540)
BUILDING MODIFICATIONS	LS	-	-	(210)
BUILT-IN EQUIPMENT	LS	-	-	(280)
SUPPORTING FACILITIES	-	-	-	1,230
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
UTILITIES	LS	-	-	(730)
PAVING AND SITE IMPROVEMENT, RELOCATION	LS	-	-	(300)
SUBTOTAL	-	-	-	5,260
CONTINGENCY (5%)	-	-	-	260
TOTAL CONTRACT COST	-	-	-	5,520
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	300
TOTAL REQUEST	-	-	-	5,820
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete and masonry building addition to match existing, adequate structural system to support a vertical addition at a future date, concrete foundation, floors, and roof system, built-up roof, computer flooring, RF shielding, reinforce existing building foundation, administrative spaces, security vault; modifications and alterations of existing building; fire protection system, carbon dioxide system, air conditioning, utilities upgrade; relocation of microwave tower and a heating, ventilation, and air conditioning unit.

11. REQUIREMENT: 77,960 SF. ADEQUATE: 61,360 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides additional operations space to support increased functions, equipment and manpower. The building addition will be capable of further vertical expansion to support anticipated future needs, as horizontal expansion at this site is no longer possible. (Current mission.)
REQUIREMENT: Adequate and properly configured facilities to accommodate an increased mission to include operational space to install additional programs, additional equipment for ongoing programs, to install an additional research test bed and technical control upgrade, and for electronics equipment, maintenance space, management, supervision, and administration.
CURRENT SITUATION: All existing space is used by current programs and is completely saturated with equipment and personnel.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SECURITY GROUP ACTIVITY, EDZELL, SCOTLAND

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONS BUILDING ADDITION	P-048

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: New equipment and programs at this important site cannot be installed and implemented.

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. 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	5-86
(b) Percent Complete as of January 1989	35
(c) Date Design 35% Complete	1-87
(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	(240)
(b) All Other Design Costs	(100)
(c) Total	340
(d) Contract	(290)
(e) In-house	(50)

(4) Construction start: 1-90 (month and year)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL ACTIVITIES, 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	14	43	8	0	0	0	286	822	471	1644
b. END FY 1994	14	43	8	0	0	0	286	822	471	1644

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(38)	
b. INVENTORY TOTAL AS OF 30 SEP 88		2,320
c. AUTHORIZATION NOT YET IN INVENTORY		1,970
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,130
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		33,000
h. **GRAND TOTAL**		47,420

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214.20	AUTOMOTIVE VEH MAINT SHOP	LS	730	03/86	04/88
721.11	BEQ & MESS HALL	58,940 SF	9,400	12/87	11/89
	TOTAL		10,130		

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 logistic and administrative support to the Commander in Chief, U.S. Naval Forces, Europe/U.S. Commander Eastern Atlantic/U.S. Naval activities and units in the United Kingdom, including other areas of northwestern Europe. Those functions also extend to other U.S. agencies and naval matters 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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL ACTIVITIES, LONDON, UNITED KINGDOM	BACHELOR ENLISTED QUARTERS AND MESS HALL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0205096N	721.11	P-215	9,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS AND MESS HALL . .	SF	58,940	-	7,960
BACHELOR ENLISTED QUARTERS	SF	49,200	123.00	(6,060)
MESS HALL.	SF	9,740	167.00	(1,630)
BUILT-IN EQUIPMENT	LS	-	-	(270)
SUPPORTING FACILITIES.	-	-	-	530
UTILITIES.	LS	-	-	(320)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(210)
SUBTOTAL	-	-	-	8,490
CONTINGENCY (5%)	-	-	-	420
TOTAL CONTRACT COST.	-	-	-	8,910
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	490
TOTAL REQUEST.	-	-	-	9,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One three-story and one one-story reinforced concrete and masonry buildings, concrete foundations and floors, built-up roofs, seismic design, fire protection systems, ventilation and air conditioning, utilities; 60 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; kitchen equipment; demolition of one building and removal of one tennis court.
Grade mix: 100 E1-E4, 64 E5-E6, 3 E7-E9. Total: 167.

11. REQUIREMENT: 317 PN. ADEQUATE: 150 PN. SUBSTANDARD: 56 PN.
PROJECT: Provides adequate billeting for 167 enlisted personnel and a mess hall for all assigned personnel. (Current mission.)
REQUIREMENT: Adequate housing and messing for 317 bachelor enlisted personnel. These personnel are assigned to US Navy commands in the greater London area.
CURRENT SITUATION: Existing adequate berthing capacity of 150 includes 56 substandard spaces in a leased facility at Kennington and 94 spaces in the local community. A new construction deficiency of 167 adequate billeting spaces exists. This project will satisfy all currently identified new construction requirements. All projected space requirements are revalidated annually by a new survey, which updates planning projections.
IMPACT IF NOT PROVIDED: Adequate living quarters for all Navy bachelor enlisted personnel will continue to be unavailable at the Navy support site. Enlisted personnel will be required to continue to seek whatever affordable housing is available in the expensive greater London area.

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL ACTIVITIES, LONDON, UNITED KINGDOM	
4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS AND MESS HALL	P-215

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. 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..... 12-87
- (b) Percent Complete as of January 1989..... 35
- (c) Date Design 35% Complete..... 9-88
- (d) Date Design Complete..... 11-89

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

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications..... (400)
- (b) All Other Design Costs..... (95)
- (c) Total..... 495
- (d) Contract..... (445)
- (e) In-house..... (50)

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

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

VARIOUS LOCATIONS

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CLASSIFIED LOCATION	SEAL TEAM OPERATIONS FACILITIES (INCREMENT II)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	143.25	P-151A	5,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SEAL TEAM OPERATIONS FACILITIES.	SF	46,200	-	4,690
OPERATIONS BUILDINGS	SF	37,400	93.00	(3,470)
MAINTENANCE AND REPAIR BUILDING.	SF	8,800	93.00	(820)
BUILT-IN EQUIPMENT	LS	-	-	(400)
SUPPORTING FACILITIES.	-	-	-	550
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(190)
UTILITIES.	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(240)
SUBTOTAL	-	-	-	5,240
CONTINGENCY (5%)	-	-	-	260
TOTAL CONTRACT COST.	-	-	-	5,500
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	300
TOTAL REQUEST.	-	-	-	5,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel-frame and masonry operations building, one-story masonry maintenance and repair building, hyperbaric facility, spread footings and foundations, seismic design, concrete floors, built-up roofs, bridge crane, monorail, pistol range, recompression dive locker, paraloft, electrical generator, administration areas, compressed air system, fire protection systems, air conditioning, utilities.

11. REQUIREMENT: 75,720 SF. ADEQUATE: 29,520 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides operational facilities to support Naval Special Warfare Unit Six (NSWU-6) which accommodates elements of three Sea, Air, Land (SEAL) Teams and a SEAL Delivery Vehicle (SDV) Team including a Special Boat Unit (SBU) to be fully integrated and commissioned in 1989. This project is programmed in two increments. Increment I provided the site development including utilities, roads and paving, site improvement, and a barracks. This increment will construct a two-story operations facility, a one-story maintenance and repair facility, and a hyperbarics facility in a secure area in support of the Special Operating Forces (SOF). (New mission.)
REQUIREMENT: Classified, secure, and permanent facilities including a remote waterfront location to house training, operations, communications and SDV-SBU storage. The SEALS are an element of the U.S. Special Warfare Forces. The establishment of NSWU-6 to be deployed at this classified location reflects the emphasis the Navy is putting on Special Operations

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

CLASSIFIED LOCATION

4. PROJECT TITLE	5. PROJECT NUMBER
SEAL TEAM OPERATIONS FACILITIES (INCREMENT II)	P-151A

11. REQUIREMENT: (Continued)
Forces. NSWU-6 will consist of two SEAL platoons with 16 people, one SDV team with 14, one SBU team with 10, and a support element with 26 people, for a total of 66 personnel on-board under normal conditions. The facilities will be used year-round, seven days a week for training, storage, and maintenance of special equipment, weapons, boats, swimmer support apparatus, and other mission-related gear.
CURRENT SITUATION: No facilities exist at this location or any other naval installation in the area which could provide full support to the special warfare unit. However, in the interim, temporary administrative facilities will be provided for a small headquarters staff and one SEAL platoon who will deploy on a six-month rotational basis.
IMPACT IF NOT PROVIDED: The policy of enhancing the capability of U.S. Special Warfare Forces will be delayed in implementation at this vital location. NSWU-6 will be established here in the U. S. in 1989, permitting initial deployment of one SEAL platoon on an interim basis. Shore installation will not be capable of sustaining full deployments required for mission 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..... 4-88
- (b) Percent Complete as of January 1989..... 35
- (c) Date Design 35% Complete..... 10-88
- (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..... (250)
- (b) All Other Design Costs..... (100)
- (c) Total..... 350
- (d) Contract..... (310)
- (e) In-house..... (40)

(4) Construction start..... 1-90 (month and year)

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

1. COMPONENT	FY 19 90 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	LAND ACQUISITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
VARIES	911.10	VARIOUS	21,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION	LS	-	-	18,950
SUBTOTAL	-	-	-	18,950
CONTINGENCY (5%)	-	-	-	950
TOTAL CONTRACT COST	-	-	-	19,900
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	1,100
TOTAL REQUEST	-	-	-	21,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Acquisition of interests in approximately 152 acres of land as follows; provide relocation assistance, gates and auxiliary structures for security of acquired land; demolition as necessary.
Marine Corps Air Station, Yuma, AZ - 22 acres (approx.)
Naval Submarine Base, New London, CT - 2.5 acres (approx.)
Naval Station, New York, NY - 10 acres (approx.)
Naval Station, Everett, WA - 8 acres (approx.)
Naval Weapons Station, Concord, CA - 109.5 acres (approx.)

11. REQUIREMENT: As Required.
PROJECT: Acquires interests in land at five locations to support activity missions. Acquisition of interests at the Naval Station, New York, contemplates an exchange of Navy land and land to be acquired within the City of New York for the purpose of realignment of an existing street to accommodate the station. (Current mission.)
REQUIREMENT: Restrictive use easements or fee titles are needed to provide sites for facilities, meet or protect operational capabilities, prevent future encroachment, and control development adjacent to the present boundries of five military activities.
CURRENT SITUATION: Sites are not available for construction of some facilities, and operations are constrained by non-compatable activity on privately-owned land adjacent to the boundaries of Navy activities.
IMPACT IF NOT PROVIDED: Sites would not be available for construction of facilities. Military operations will continue to be constrained.
12. SUPPLEMENTAL DATA: Not Applicable.

POLLUTION ABATEMENT

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES	POLLUTION ABATEMENT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
VARIES	VARIES	VARIOUS	13,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POLLUTION ABATEMENT FACILITIES	LS	-	-	13,000
TOTAL REQUEST.	-	-	-	13,000

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, and connecting into public systems. 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 installations, and to comply with federal, state, and local water quality standards.
CURRENT SITUATION: Facilities at Naval 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. At present, oil and fuel handling facilities at many activities have inadequate safeguards to prevent oil spills from contaminating harbor waters.
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 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

11. REQUIREMENTS: (Continued)
ADDITIONAL: (Continued)
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, as modified by the 1987 Water Quality Act, 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.

Municipal Sewer Connection - It is advantageous to connect into municipal sewerage systems, when economics and feasibility dictate. This approach is the preferred method, since it relieves the Navy of the responsibility for providing adequate treatment, continuous monitoring of effluent discharge, and plant upgrading as water quality standards become more stringent. These projects provide on-base work required to effect the connection and Navy's proportionate share of the capital cost for the construction of the regional sewerage system. In some cases, the Navy is already connected to the municipality and receiving service, but the municipality has to upgrade the service. The Navy then pays for its fair share of the plant upgrade based upon flow.

Hazardous Waste Storage Facilities - Owners and operators of hazardous waste transfer and storage facilities are required by the 1984 amendments to the Resource Conservation and Recovery Act (RCRA) to provide facilities meeting stringent standards. This requires that all hazardous waste be properly containerized, packaged, labelled and if necessary stored in approved facilities before final disposal. These facilities may not lawfully begin or continue transfer and storage activities until an effective RCRA permit is received. These projects provide facilities which comply with extensive technical and design standards as mandated by RCRA.

12. SUPPLEMENTAL DATA:

Estimated design status: Projects 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 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Inside the United States	
		California	
831.41	P-123	Hazardous Waste Storage Facilities, NPWC San Diego	2,900

This project provides three hazardous waste storage facilities to be located at the Naval Station San Diego, the Naval Air Station North Island, and the Naval Submarine Base San Diego. The work includes demolition of five buildings which do not meet current NAVOSH and EPA regulations. The existing facilities consist of many small storage areas covered by open-sided metal canopies and surrounded by canvas-covered barbed wire fence which does not allow adequate security, safety, or segregation of hazardous waste materials. The storage facilities are required to store hazardous waste oils, solvents, paints, oxidizers, and corrosive materials for a period not to exceed one year. The proposed facility will be adequately compartmented and provided with drainage control, protective berms, and security and fire protection systems. Without this project, Navy activities will continue to be in violation of state and federal laws and continue to expose personnel and facilities to fire and safety hazards. (Current mission.)

832.10	P-081	Municipal Sewer Connection, NPWC San Diego	1,500

The San Diego Metropolitan Sewer System services all Navy and Marine Corps activities in the San Diego area. The EPA and the California Regional Water Quality Control Board (CRWQCB) granted a waiver from secondary treatment for San Diego, if the city performs an accelerated project established under a Clean Water Grant. This project provides for the connection charges associated with the Navy's fair share of the accelerated project for the San Diego Metropolitan Sewer System. All work will be accomplished by the City of San Diego. Without this project the Navy will be unable to meet their obligation in support of the accelerated project funding and will not be allowed access to the municipal sewer system. (Current mission.)

(Continued on DD 1391c)

S/N 0102-LF-001-3915

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Connecticut	
831.20	P-414	Municipal Sewer Connection, NSB New London	3,700

This project provides the Navy's fair share of the cost of a sewer outfall from the town of Groton's secondary waste treatment plant. The outfall is required to meet a federal court order to eliminate pollution of Mumford Cove. The town of Groton provides secondary treatment for the base. Approximately 28% of the effluent comes from Navy facilities. The Federal District Court has ordered the town of Groton to construct an outfall to the Thames River to eliminate pollution caused by nutrients which accelerate plant growth and deplete oxygen in the cove. Without this project the Navy will be unable to fund their fair share and will forfeit use of the municipal facility. (Current mission.)

		Hawaii	
811.60	P-464	Sanitary Wastewater System, NPWC Pearl Harbor	750

This project provides an alternative electric power source for the sewage pumping station as required by state and federal environmental protection agencies. This activity is the primary pumping station for the Kamehameha Wastewater Treatment Plant serving the majority of naval facilities in the Pearl Harbor area. Power outages have caused raw sewage to overflow into Pearl Harbor in violation of the National Pollution Discharge Elimination System (NPDES) permit granted to the Navy by EPA. An alternative power source is required to continue operating under the EPA NPDES permit and in compliance with state regulations. Without this project, continual operation of the treatment plant cannot be ensured. (Current mission.)

Total - Inside the United States	8,850

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Outside the United States	
		Guam	
831.20	P-142	Municipal Sewer Connection, NPWC	4,150

This project provides for the Navy's fair share of the cost for the municipal sewer outfall and connection of the Navy's Apra Harbor Sewage Treatment system to the municipal system. Because of storm damage outfall, the effluent from the Navy's sewage treatment plant is currently discharging in approximately five feet of water at the shore. This does not allow sufficient dispersion to meet local and federal water quality control standards. Without this project the Navy cannot meet their obligation to fund their fair share of construction and will continue to be in violation of EPA regulations. (Current mission.)

Total - Outside the United States	4,150
Total - Pollution Abatement Facilities	13,000

UNSPECIFIED
MINOR CONSTRUCTION

"J" UNSPECIFIED

1. COMPONENT	FY 19 90 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-090	14,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION	LS	-	-	14,000
TOTAL REQUEST.	-	-	-	14,000

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.

"X" A&E SERVICES &
CONSTR DESIGN

ARCHITECTURAL & ENGINEERING SERVICES & CONSTRUCTION DESIGN

1. COMPONENT	FY 1990 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	P-090	84,970

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
A&E SERVICES AND CONSTRUCTION DESIGN	LS	-	-	84,970
TOTAL REQUEST.	-	-	-	84,970

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.

S/N 0102-LF-001-3910

ACCESS ROADS

1. COMPONENT	FY 19 90 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-190	5,810*

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ACCESS ROADS	LS	-	-	5,810
TOTAL REQUEST.	-	-	-	5,810

*Includes $2,300,000 for NS New York, NY.

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 19 90 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	28,285

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROJECTS $1 MILLION AND UNDER	LS	-	-	28,285
TOTAL REQUEST.	-	-	-	28,285

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."

(1) Identifies those projects where lump-sum competitively bid design and construction procurement is to be used.

(2) Identifies those projects where performance specifications limit acquisition to modular construction.

(3) Identifies those projects where one-step source selection is to be used.

Individual project descriptions follow:

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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	
		Alabama	
722.10	P-024	Mess Hall, NS Mobile	880

Naval Station, Mobile is under construction as part of the strategic homeporting plan on the gulf coast. Adequate enlisted dining facilities are necessary to support homeporting two guided missile destroyers and two guided missile frigates of the Carrier Battle Group that are part of the Navy's strategic homeporting initiative. In addition to the Carrier Battle Group escorts, a Naval reserve force minesweeper will also be homeported in Mobile. This project will construct an enlisted dining facility. (New mission.)

932.20	P-022	Site Improvement Mitigation, NS Mobile	865

Naval Station, Mobile is under construction as part of the strategic homeporting plan on the gulf coast and will be the homeport for two guided missile destroyers and two guided missile frigates of the Carrier Battle Group. In addition to the Carrier Battle Group escorts, a Naval reserve force minesweeper will also be homeported in Mobile. Environmentally valuable wetland areas lost during construction of the base must be mitigated in accordance with the approved Final Environmental Impact Statement for strategic homeporting on the gulf coast. This project provides mitigation for environmental resources lost during naval base construction and establishes the wetlands to replace the wetlands claimed for construction. (New mission.)

Subtotal - Alabama			1,745
		Arizona	
211.89	P-438	Aircraft Power Check Pads, MCAS Yuma	900

Adequate test facilities to effectively and efficiently accommodate organizational testing and to support organizational level maintenance of 150 permanently assigned and rotational AV-8B and FA-18 aircraft. The

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)
		Arizona (Continued)	
211.89	P-438	Aircraft Power Check Pads, MCAS Yuma (Continued)	

three existing aircraft power check pads and test facilities cannot accommodate the programmed requirements. This non-support has a cumulative negative impact on aircraft readiness and pilot training. This project constructs one open-air, in-frame aircraft power check pad and modifies one pad. (New mission.)

Subtotal - Arizona			900
		California	
441.12	P-623	Tactical Components Storage Facility, MCB Camp Pendleton	850

Adequate storage, environmental protection, ready accessibility, and security of electronic spares and computer supplies are required in support of a massive inventory of tactical and commercial data systems. The only available facilities are makeshift metal sheds, CONEX boxes, vans and outdoor storage covered by canvas. Currently, 14,000 items valued at $7,500,000 are stored under these conditions. The inability to adequately protect high-cost, expensive electronic components from the high humidity and saltwater air inherent at this site has caused noticeable corrosion of parts issued from stock. This project constructs facilities for secure and humidity controlled storage of tactical electronic components to prevent further deterioration of supplies stored for extended periods. (Current mission.)

740.74	P-989	Child Care Center, NAS Moffett Field	1,000

Child care centers provide 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 volunteer force as their availability alleviates many

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)	
740.74	P-989	Child Care Center, NAS Moffett Field (Continued)	

problems incurred by parents who are single, both work, or with other special needs. These centers make the quality of life more appealing to military personnel, and assist the Navy with its fundamental responsibility of maintaining force readiness by retaining trained and effective people in uniform. Existing facilities are not properly configured for optimum space use, are inadequate, overcrowded, and cannot accommodate all the children who need child care. Commercial child care is priced beyond the ability of the junior enlisted men to pay and fails to offer the wide flexibility in hours required by military personnel. This project will construct a facility to house a child care center.3/ (Current mission.)

137.10	P-005	Meteorological Building Addition, FLTNUMOCEANOCEN Monterey	750

Increased computer capability is required for direct support of a Joint Chief of Staff requirement for an operational ability to depict water mass and fronts and eddy structures. The Navy is also required to develop and utilize real-time oceanographic and meteorological forecasting systems that will predict arctic conditions. The existing equipment does not have the capability to meet these additional requirements in a timely manner. This project provides an addition to the meteorological building to house a new large-scale super computer, scheduled for delivery in 1991, which will process environmental data required for fleet support. There is no space available to house this additional computer equipment. (Current mission.)

826.25	P-243	Chilled Water Plant Upgrade, FASWTCPAC San Diego	820

An upgraded capacity chiller plant is required to supply the increase in cooling load growth over the past 20 years generated by greater training equipment cooling requirements and the air conditioning load of the essential training areas of three buildings. Plant capacity will be increased from 620 to 1,110 tons and the building extended to accommodate

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)	
826.25	P-243	Chilled Water Plant Upgrade, FASWTCPAC San Diego (Continued)	

the larger sized chillers. The existing two deteriorated, twenty-year old chillers and associated contaminated water piping system will be replaced with three centrifugal chillers, cooling towers, pumps and accessories. One existing chiller in good condition will be retained. (Current mission.)

740.74 P-233 Child Care Center, MCRD San Diego 540

Child care centers provide 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 volunteer force as their availability alleviates many problems incurred by parents who are single, both work, or with other special needs. These centers make the quality of life more appealing to military personnel, and assist the Navy with its fundamental responsibility of maintaining force readiness by retaining trained and effective people in uniform. Existing facilities are not properly configured for optimum space use, are inadequate, overcrowded, and cannot accommodate all the children who need child care. Commercial child care is priced beyond the ability of the junior enlisted men to pay and fails to offer the wide flexibility in hours required by military personnel. This project will construct a facility to house a child care center. (Current mission)

740.74 P-109 Child Care Center, NS San Diego 1,000

Child care centers provide 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 volunteer force as their availability alleviates many problems incurred by parents who are single, both work, or with other special needs. These centers make the quality of life more appealing to

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)	
740.74	P-109	Child Care Center, NS San Diego (Continued)	

military personnel and their dependents. The Navy's military family housing area of Murphy Canyon has no designated child care center for 2,300 children. This results in children being cared for in unlicensed individual family units which do not comply with day care requirement, are overcrowded, and are operated by unqualified personnel. This project will provide a child care center. (Current mission.)

610.10	P-082	Handicapped Access Improvements, NPWC San Francisco	360

The center's headquarters building houses some 225 employees, including handicapped personnel. Since there is no elevator in the building, the second and third floors are not easily accessible to most handicapped persons. A wheel chair bound person cannot access the upper floors. This is a violation of the Uniform Federal Accessibility Standards. This project will install a passenger elevator to serve the three levels. (Current mission.)

441.30	P-177	Hazardous and Flammable Storehouse, MCAS Tustin	640

A centrally located and approved facility is required for the storage of hazardous and flammable materials such as paints, solvents, and oxidizers required for the maintenance and operation of air station facilities. Hazardous and flammable materials are currently stored outside and in deteriorated quonset huts, subjecting them to vandalism, deterioration from the elements, and potential pollution from spills or fire. Current storage facilities are in violation of OSHA requirements and other state and federal safety and pollution regulations. This project provides an adequate and OSHA approved facility for the storage of hazardous and flammable materials. (Current mission.)

Subtotal - California	5,960

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)
		Connecticut	
740.74	P-991	Child Care Center, NSB New London	1,000

Child care centers provide 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 volunteer force as their availability alleviates many problems incurred by parents who are single, both work, or with other special needs. These centers make the quality of life more appealing to military personnel, and assist the Navy with its fundamental responsibility of maintaining force readiness by retaining trained and effective people in uniform. Existing facilities are not properly configured for optimum space use, are inadequate, overcrowded, and cannot accommodate all the children who need child care. Commercial child care is priced beyond the ability of the junior enlisted men to pay and fails to offer the wide flexibility in hours required by military personnel. This project will construct a facility to house a child care center. 1/ (Current mission.)

Subtotal - Connecticut	1,000
District of Columbia	
821.22 P-299 Steam Plant System Modernization, COMNAVDIST Washington	420

The central steam plant in the Washington Navy Yard provides heat and hot water during the heating season, but only provides hot water during the period of 15 May to 15 October. Operation of the central steam plant solely to provide hot water during the summer is very inefficient. This project will install supplementary equipment, such as domestic water heaters and boilers, in 35 buildings in the Washington Navy Yard. This supplementary equipment will permit shutdown of the central steam plant from 15 May to 15 October each year. This shutdown will permit performance of essential maintenance and repair to the central steam plant and distribution system and reduce annual energy costs. An economic analysis has been prepared and indicates a payback period of 1.58 years. (Current mission)

Subtotal - District of Columbia	420

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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	
171.20	P-888	Strike Fighter Weapons School, NAS Cecil Field	900

Adequate and properly-configured training spaces are required for special purpose training in weapons systems assigned to strike fighter squadrons at this station. By 1991, new weapons requiring trained operators and handlers will be in the Navy's inventory. Pilots, crew, and mechanics who operate and maintain these weapons need to be properly trained. The unique requirements for the new weapons training include dedicated, secure classrooms because of instruction utilizing classified material and highly pilferable and fragile training devices. Adequate academic training facilities are not available at this station to accommodate projected student loads associated with the new classified weapons training. This project constructs a training facility inside an aircraft maintenance hangar, with special construction features, such as shielding and physical security measures, and alters existing training spaces in the hangar lean-to. (Current mission.)

Subtotal - Florida	900
	Georgia
740.74 P-992 Child Care Center, NSCS Athens	1,000

Child care centers provide 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 volunteer force as their availability alleviates many problems incurred by parents who are single, both work, or with other special needs. These centers make the quality of life more appealing to military personnel, and assist the Navy with its fundamental responsibility of maintaining force readiness by retaining trained and effective people in uniform. Existing facilities are not properly configured for optimum space use, are inadequate, overcrowded, and cannot accommodate all the

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)
		Georgia (Continued)	
740.74	P-992	Child Care Center, NSCS Athens (Continued)	

children who need child care. Commercial child care is priced beyond the ability of the junior enlisted men to pay and fails to offer the wide flexibility in hours required by military personnel. This project will construct a facility to house a child care center. 1/ (Current mission.)

Subtotal - Georgia	1,000
Maine	
740.74 P-993 Child Care Center, NAS Brunswick	1,000

Child care centers provide 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 volunteer force as their availability alleviates many problems incurred by parents who are single, both work, or with other special needs. These centers make the quality of life more appealing to military personnel, and assist the Navy with its fundamental responsibility of maintaining force readiness by retaining trained and effective people in uniform. Existing facilities are not properly configured for optimum space use, are inadequate, overcrowded, and cannot accommodate all the children who need child care. Commercial child care is priced beyond the ability of the junior enlisted men to pay and fails to offer the wide flexibility in hours required by military personnel. This project will construct a facility to house a child care center. 1/ (Current mission.)

740.74	P-99[illegible]	Child Care Center, Portsmouth NSY, Kittery	1,000

Child care centers provide 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

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)
		Maine (Continued)	
740.74	P-994	Child Care Center, Portsmouth NSY, Kittery (Continued)	

temporarily unable to care for them. Child care centers are a necessary element in today's volunteer force as their availability alleviates many problems incurred by parents who are single, both work, or with other special needs. These centers make the quality of life more appealing to military personnel, and assist the Navy with its fundamental responsibility of maintaining force readiness by retaining trained and effective people in uniform. Existing facilities are not properly configured for optimum space use, are inadequate, overcrowded, and cannot accommodate all the children who need child care. Commercial child care is priced beyond the ability of the junior enlisted men to pay and fails to offer the wide flexibility in hours required by military personnel. This project will construct a facility to house a child care center. 1/ (Current mission.)

Subtotal - Maine	2,000
Nevada	
740.74 P-995 Child Care Center, NAS Fallon	1,000

Child care centers provide 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 volunteer force as their availability alleviates many problems incurred by parents who are single, both work, or with other special needs. These centers make the quality of life more appealing to military personnel, and assist the Navy with its fundamental responsibility of maintaining force readiness by retaining trained and effective people in uniform. Existing facilities are not properly configured for optimum space use, are inadequate, overcrowded, and cannot accommodate all the children who need child care. Commercial child care is priced beyond the ability of the junior enlisted men to pay and fails to offer the wide flexibility in hours required by military personnel. This project will construct a facility to house a child care center. 3/ (Current mission.)

Subtotal - Nevada	1,000

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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 Jersey	
229.50	P-001	Printing Plant, NPPSDO Bayonne	1,000

A printing plant is needed in the New York City area to support the naval station and other governmental activities. The existing printing plant has been condemned because of safety and operational problems. The heat and humidity in the present location has always been a health and productivity problem. This project will renovate the second floor of a building at the Military Ocean Terminal, Bayonne, NJ, consolidating the publications and printing service for the New York City regional area. The renovation work includes partitions, new floors, wall and ceiling coverings, vault, security system, fire protection and alarm systems, air conditioning, and utilities upgrade. (Current mission.)

740.25	P-847	Family Services Center, NWS Earle	570

Family services centers are a major element of the Navy Family Support Program established to assist in improving combat readiness, on-the-job performance and retention of qualified Navy men and women. The centers work in four functional areas, information and referral, assistance via telephone and letter contacts, and counseling and educational services that support and enrich the lives of Navy families and single service members. Earle does not have a family service center and there are no facilities available for conversion. This project constructs a family service center for approximately 4,400 Navy personnel and their dependents. 2/ (Current mission.)

Subtotal - New Jersey	1,570
South Carolina	
740.74 P-354 Child Care Center, MCAS Beaufort	970

Child care centers provide 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

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)	
740.74	P-354	Child Care Center, MCAS Beaufort (Continued)	

temporarily unable to care for them. Child care centers are a necessary element in today's volunteer force as their availability alleviates many problems incurred by parents who are single, both work, or with other special needs. These centers make the quality of life more appealing to military personnel and their dependents. Existing facilities constructed in 1968 are inadequate, overcrowded, and cannot accommodate all the children requiring care. The failure to provide care for dependent children results in a negative impact on morale and retention. This project constructs a facility to house a child care center. (Current mission.)

811.60	P-826	Emergency Generators, NSC Charleston	700

Emergency electrical power is required in the event of primary power failure to the center's data processing facility. This facility provides data processing services for supply, accounting, and payroll functions for naval shore activities and fleet units in the region and is the single supply point for support of fleet ballistic missile submarines. The center's computer hardware suite and workload have increased dramatically over the past six years. To provide users with satisfactory service, it is necessary to operate the data processing center continuously. Since this center is located in an area subject to hurricanes and seismic activity, an emergency electric power source is essential. This project provides a diesel-driven electric power generator, building, fuel storage, and electrical connections. (Current mission.)

Subtotal - South Carolina	1,670

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)
		Texas	
730.20	P-011	Security Facility, NS Galveston	510

Naval Station, Galveston is under construction as part of the strategic homeporting plan on the gulf coast. Adequate facilities are needed to control base access and provide base security to support homeporting two guided missile frigates and three minesweeping ships. All five ships of the Naval reserve Force are part of the strategic homeporting initiative. This project will provide base security facilities. (New mission.)

143.20	P-019	Explosive Ordnance Disposal Facility, NS Ingleside	1,000

Naval Station, Ingleside is under construction as part of the strategic homeporting plan on the Gulf Coast. Shoreside support facilities are required for homeporting ships of the Battleship Surface Action Group, including a battleship, aviation training carrier, guided missile cruiser, guided missile destroyer, and a Naval Reserve Force minesweeping ship. This project provides adequate administrative and operational facilities for an explosive ordnance disposal team and includes offices, trailer-mounted boat storage and maintenance spaces, diving locker, classroom and secure storage. (New mission.)

421.22	P-030	Magazines, NS Ingleside	910

Naval Station, Ingleside is under construction as part of the strategic homeporting plan on the gulf coast. Adequate ordnance storage facilities are required to support homeporting ships of the Battleship Surface Action Group, including a battleship, aviation training carrier, guided missile cruiser, guided missile destroyer, and a Naval Reserve Force minesweeping ship. This project completes the magazine complex started in FY 1989. (New mission.)

Subtotal - Texas	2,420

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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	
740.74	P-996	Child Care Center, NSWC Dahlgren	1,000

Child care centers provide 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 volunteer force as their availability alleviates many problems incurred by parents who are single, both work, or with other special needs. These centers make the quality of life more appealing to military personnel, and assist the Navy with its fundamental responsibility of maintaining force readiness by retaining trained and effective people in uniform. Existing facilities are not properly configured for optimum space use, are inadequate, overcrowded, and cannot accommodate all the children who need child care. Commercial child care is priced beyond the ability of the junior enlisted men to pay and fails to offer the wide flexibility in hours required by military personnel. This project will construct a facility to house a child care center. 1/ (Current mission.)

137.10	P-154	Oceanography Center Addition, NAVEASTOCEANOCEN Norfolk	680

The Naval Eastern Oceanography Center (NAVEASTOCEANCEN) is tasked to provide oceanographic and meteorological services to the fleet and to other branches within the Department of Defense. Since 1979, NAVEASTOCEANCEN has been operating in facilities designed and built to house a Fleet Weather Central. An increase in personnel and new mission functions has overcrowded the existing facilities, inhibiting mission completion. Since no covered storage is available, electronically-sensitive and environmentally-vulnerable equipment is stored in aircraft storage containers approximately five miles from NAVEASTOCEANCEN. These containers are not environmentally-controlled, allowing temperatures to exceed 120 degrees. Because of a significant increase in workload, storage space for equipment awaiting repair has become critical. This equipment has been further damaged by a lack of environmentally-controlled storage. This impedes turn around to fleet units and degrades operational readiness. This project will provide NAVEASTOCEANCEN with facilities necessary to accomplish their expanded mission function. (Current mission.)

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)	
811.60	P-823	Stand-by Generator Plant, NSC Norfolk	300

Approximately $10 million worth of meat, produce, and diary products are currently maintained in a cold storage warehouse. Commercial power for the warehouse is disrupted for long periods of time during summer thunderstorms. Food spoilage begins when the warehouse refrigeration units are without power for more than eight hours at 80 degrees outside temperature, with spoilage beginning sooner in the warmer weather. This project provides an emergency generator to maintain continued temperature control in the warehouse during power outages and will replace a mobile unit which is expensive to operate. (Current mission.)

Subtotal - Virginia	1,980
	Washington
721.12 P-016 Bachelor Enlisted Quarters, NH Bremerton,	1,000

Adequate housing is required for 117 bachelor enlisted personnel assigned to the hospital staff. The existing adequate berthing capacity of 93 spaces is insufficient, resulting in overcrowding. A new construction deficiency of 24 adequate billeting spaces exists. This project provides adequate billeting for 24 enlisted personnel and will satisfy all currently identified new construction requirements. (Current mission.) Grade mix: 24 E5-E6. Total 24.

740.74	P-997	Child Care Center, Puget Sound NSY, Bremerton	1,000

Child care centers provide 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 volunteer force as their availability alleviates many problems incurred by parents who are single, both work, or with other

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)	
740.74	P-997	Child Care Center, Puget Sound NSY, Bremerton (Continued)	

special needs. These centers make the quality of life more appealing to military personnel, and assist the Navy with its fundamental responsibility of maintaining force readiness by retaining trained and effective people in uniform. Existing facilities are not properly configured for optimum space use, are inadequate, overcrowded, and cannot accommodate all the children who need child care. Commercial child care is priced beyond the ability of the junior enlisted men to pay and fails to offer the wide flexibility in hours required by military personnel. This project will construct a facility to house a child care center. 3/ (Current mission.)

811.60	P-083	Emergency Generators, NSC Puget Sound, Bremerton	690

Emergency electrical power is required in the event of primary power failure to the center's data pocessing facility. This facility provides data processing services for supply, accounting, and payroll functions for naval shore activities in the Pacific Northwest, Pacific Fleet ships and overhaul activities, and the Trident submarine program. Loss of primary power to the data processing facility will have a major impact on some 40 activities. No emergency power currently exits for the data processing facility. This project provides emergency electric power generators, building, fuel oil storage, and electrical connections. (Current mission.)

Subtotal - Washington	2,690
Total - Inside the United States	25,255

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)
		Outside the United States	
		Australia	
843.10	P-205	Fire Protection System, NCS Harold E. Holt, Exmouth	610

The mission essential communication center and satellite communication facility are not protected by an automated system to stop a fire. An advanced stage fire would be difficult to contain with the existinghigh-volume hose streams. There is no automated system for advance turnoff of electrical power. This project provides an automated fire protection system to comply with fire protection criteria and correct deficiencies identified by a Fire Protection Engineering Survey Report. 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 of existing facilities for U.S. requirements shall be the responsibility of the U.S. (Current mission.)

Subtotal - Australia	610
Iceland	
131.50 P-467 Transitter Building Addition, NCS Keflavik	690

This station's transmitter site is located in Grindavik, which is 15 miles from the Naval Air Station, Keflavik. The dayworkers and watchstanders who work on eight-hour shifts eat at least one meal at Grindavik. Adverse weather conditions occur frequently during the winter and periodically force the closing of the access road to the site, thus requiring the watch sections to remain on duty for extended periods of time. Currently, a majority of the unaccompanied enlisted personnel live at the site in deteriorated bachelor enlisted quarters. Renovation and maintenance for continuing use of these quarters is too costly. Projected manning of this site precludes cost-effective justification for operating permanent berthing and messing at the site. This project provides a mess and

(Continued on DD 1391c)

1. COMPONENT	FY 19 90 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)
		Iceland (Continued)	
131.50	P-467	Transitter Building Addition, NCS Keflavik (Continued)	

emergency berthing in addition to the transmitter building. 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., except when construction is eligible for NATO common infrastructure funding. Prefinancing under NATO procedures is not planned for this project, as it is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible. (Current mission.)

Subtotal - Iceland	690
United Kingdom	
214.20 P-204 Automotive Vehicle Maintenance Shop, NAVACTS London	730

Adequate facilities are needed to repair and maintain all transportation vehicles assigned to this activity. The existing facility located at West Ruislip is aged, inadequate, and has extensive OSH deficiencies including inadequate fire protection, no ventilation for gases and toxic fumes, unprotected electrical fittings, and no flammable liquid storage area. Correcting these deficiencies is more costly than replacement and requires at least a nine-month downtime. This project constructs a vehicle repair shop and holding shed at the personnel support site on land provided by the Royal Air Force Base West Ruislip and will incorporate all established OSH standards. 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., except when construction is eligible for NATO common infrastructure funding. Prefinancing under NATO procedures is

(Continued on DD 1391c)

S/N 0102-LF-001-3915

1. COMPONENT	FY 19 90 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)	
214.20	P-204	Automotive Vehicle Maintenance Shop, NAVACTS London (Continued)	

not planned for this project, as it is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible. (Current mission.)

Subtotal - United Kingdom	730
Total - Outside the United States	2,030

Various Locations

610.10	P-090	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 - Project $1 Million and Under	28,285

FAMILY HOUSING

DEPARTMENT OF NAVY
MILITARY FAMILY HOUSING
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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1990 BUDGET ESTIMATE
AUTHORIZATION FOR APPROPRIATION REQUESTED
($000)

FUNDING PROGRAM		FY 1990
Construction of New Housing		84,652
Construction Improvements		42,086
A & E Services and Construction Design		1,000
Appropriation Request, Family Housing Construction		127,738
Operations and Maintenance		588,840
Operating Expense	106,202	
Utilities	177,923	
Maintenance	304,724	
Leasing		41,489
Domestic	15,676	
Foreign	25,813	
Debt Payment		208
Principal	9	
Interest and Other Expense	4	
Servicemen's Mortgate Insurance Premiums for Existing Coverage	208	
Appropriation Request, Family Housing Support		630,545
Total Family, Housing, Navy, Appropriation Request		758,283
Reimbursable Authority Requirements		11,917
Total Family Housing, Department of Navy Program		770,200

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1990 BUDGET SUMMARY
PROGRAM SUMMARY

(In Thousands)

FY 1990 Program $770,200
FY 1989 Program $810,732

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 $770,200,000:

(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 1990 follows ($000):

Program	Navy	Marine Corps	DON Total
Construction			
Appropriation Request	112,288	15,450	127,738
Reimbursements	--	--	--
Total Program	112,288	15,450	127,738
Operations, Utilities, Maintenance and Leasing			
Appropriation Request	524,525	105,812	630,337
Reimbursements	10,267	1,650	11,917
Total Program	534,792	107,462	642,254
Debt Payment			
Appropriation Request	197	11	208
Reimbursements	--	--	--
Total Program	197	11	208
Total			
Appropriation Request	637,010	121,273	758,283
Reimbursements	10,267	1,650	11,917
Total Program	647,277	122,923	770,200

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:					-3,870			
21.4002 For completion of prior year budget plans	-1,586				1,586			
21.4007 Reprogramming from/to prior year budget plans	1,586							
25.0001 Unobligated balance lapsing								
39.0001 Budget authority								

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

Identification code 17-7030 0-1 051	Budget Plan (amounts for FAMILY HOUSING actions programed)				Obligations			
	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					1,779	598		
10.0001 Total					4,438	1,481		
Financing:								
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-5,919	-1,481		
21.4003 Available to finance new budget plans	-400				-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			

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 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					5,987	847	37	
01.0201 Post-Acquisition Construction					970	674	3,719	
01.0301 Planning and design					489	941		
10.0001 Total					7,446	2,462	3,756	
Financing:								
Unobligated balance available, start of year:					-13,664	-6,218	-3,756	
21.4002 For completion of prior year budget plans	-8,800				-8,800			
21.4003 Available to finance new budget plans					6,218	3,756		
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans	-8,800				-8,800			
40.0017 Budget authority (Appropriation rescinded) (								

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1987

		Budget Plan (amounts for FAMILY HOUSING actions programmed)				Obligations			
Identification code 17-7030 0 1-051		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					46,075		6,543	4,900
01.0201	Post-Acquisition Construction					15,261	6,601	159	119
01.0301	Planning and design					1,048	318	159	119
10.0001	Total					62,384	8,919	6,861	5,138
	Financing:								
	Unobligated balance available, start of year:					-83,302	-20,918	-11,999	-5,138
21.4002	For completion of prior year budget plans	-30				-30			
21.4003	Available to finance new budget plans	30				30			
22.4001	Unobligated balance transferred to other accounts								
	Unobligated balance available, end of year:					20,918	11,999	5,138	
24.4002	For completion of prior year budget plans								
39.0001	Budget authority								

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1988

		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.
Identification code	17-7030-0-1-051								
	Program by activities:								
	Direct program:								
01.0101	Construction of new housing	192,666				91,439	82,971	15,381	2,875
01.0201	Post-Acquisition Construction	39,472				21,855	3,987	3,190	6,410
01.0301	Planning and design	6,248				1,748	625	500	250
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	-30				-30			
22.4001	Unobligated balance transferred from other accounts (-)					123,344	-123,344	-35,761	-16,000
	Unobligated balance available, end of year:								
24.4002	For completion of prior year budget plans					238,356	35,761	16,690	7,155
39.0001	Budget authority	238,356				237,914			
	Budget authority:								
40.0001	Appropriation	237,914				-400			
41.0001	Transferred to other accounts(-)	-400				842			
42.0001	Transferred from other accounts	842							
43.0001	Appropriation (adjusted)	238,356				238,356			

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1989

		Budget Plan (amounts for FAMILY HOUSING actions programmed)				Obligations			
Identification code 17-7030-0-1 051		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		186,866				74,183	79,072	16,700
01.0201	Post-Acquisition Construction		55,000				46,192	6,159	2,849
01.0301	Planning and design		2,315				1,736	232	185
10.0001	Total		244,181				122,091	85,463	19,534
	Financing:								
	Unobligated balance available, start of year:							-122,090	-36,627
21.4002	For completion of prior year budget plans						122,090	36,627	17,093
	Unobligated balance available, end of year:								
24.4002	For completion of prior year budget plans		244,181				244,181		
40.0001	Budget authority (Appropriation)								

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				31,616	40,338
01.0701 Post-Acquisition Construction			42,086				31,503	4,270
01.0301 Planning and design			1,000				750	100
10.0001 Total			127,738				63,869	44,708
Financing:								
Unobligated balance available, start of year:								-63,869
21.4002 For completion of prior year budget plans							63,869	19,161
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans			127,738				127,738	
40.0001 Budget authority (Appropriation)								

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				62,701
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								98,237
40.0001 Budget authority (Appropriation)				196,474				196,474

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

Identification code 17-7030-0 1-051	Budget Plan (amounts for FAMILY HOUSING actions 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	186,066	84,652	148,023	148,783	158,617	132,649	127,514
01.0201 Post-Acquisition Construction	39,477	55,000	42,086	45,951	38,518	59,701	44,738	47,090
01.0301 Planning and design	6,248	2,315	1,000	1,500	6,300	4,218	1,641	1,779
10.0001 Total	238,388	244,181	127,738	196,474	191,601	222,536	179,028	177,152
Financing:								
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-108,783	-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	1,586				1,586			
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					191,001	222,536	179,028	177,152
72.4001 Obligated balance, start of year					149,670	198,216	248,934	289,758
73.0001 Obligated balance transferred, net					-192			
74.4001 Obligated balance, end of year					-198,216	-248,934	-289,758	-287,008
77.0001 Adjustments in expired accounts					416			
90.0001 Outlays					139,279	173,818	218,196	179,898

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	8,430	9,872	7,433	8,002
125.004	Other	2,100	2,711	2,000	2,230
132.001	Land and structures	181,063	209,953	169,579	166,120
199.001	Total direct obligations	191,601	222,536	179,020	177,152
999.001	Total obligations	191,601	222,536	179,020	177,152

NEW CONSTRUCTION AND IMPROVEMENTS

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1990 BUDGET ESTIMATE
CONSTRUCTION OF NEW HOUSING

(In Thousands)

FY 1990 Program $ 84,652
FY 1989 Program $186,866

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 795 units of family housing, one family housing office, one family housing warehouse, and one community center, and

(2) Appropriation of $84,652,000 to fund this construction.

1. COMPONENT	FY 1990 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	53,300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,150
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,750
f. PLANNED IN NEXT THREE PROGRAM YEARS	40,500
g. REMAINING DEFICIENCY	273,928
h. GRAND TOTAL	617,273

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	112	10,150	Turnkey	

9. Future Projects:

a. Included in following program (FY91) 112 units
b. Major planned next three years (FY92)(FY93) 290 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 1990 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	10,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	112	60,518	6,778
BUILDINGS	SF	120,400	56.30	(6,778)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				2,387
PAVING & SITE IMPROVEMENTS				(929)
UTILITIES				(671)
LANDSCAPING				(136)
RECREATION				(81)
SPECIAL CONSTRUCTION FEATURES				(150)
COMMUNITY CENTER				(420)
SUB TOTAL				9,165
CONTINGENCY (5%)				458
TOTAL CONTRACT COST				9,623
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				529
TOTAL REQUEST				10,152
TOTAL REQUEST (ROUNDED)				10,150

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, recreational facilities and Community Center. An Environmental Assessment has been completed and a FONSI was published on 6/10/88. Special construction features includes seismic bracing and the provision of a sound fence along the Interstate freeway.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	2	950	1.1979	$47.00	56	2,995
JEM	3	1200	1.1979	$47.00	56	3,783
					112	6,778

11. REQUIREMENT: 14295 FA ADEQUATE: 11353 FA SUBSTANDARD: 0 FA

Project: Provide 112 adequate family housing units for married 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.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
MCB CAMP PENDLETON, CA

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING	H-890

MARINE CORPS BASE, CAMP PENDLETON, CA (Continued)

IMPACT IF NOT PROVIDED: There will be an adverse impact on the effectiveness of mission accomplishment and career retention efforts if we do not provide additional housing.

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

Family housing requirement coordinated with local school district. School district constructing new school on-site.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD) 880915	2. FISCAL YEAR 1990	REPORT CONTROL SYMBOL DD-A&L(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)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (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	7906	3447	13126
a. UNDER MILITARY CONTROL	525	3718	26	4269	633	3362	874	4869
(1) Housed in Existing DOD Owned/Controlled	523	3463	26	4012	633	2978	658	4269
(2) Under Contract/Approved					0	384	216	600
(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	1694	1248	3280
14. PROPOSED PROJECT					0	112	0	112
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				30.0%	36.2%	18.6%	30.4%
	b. ALL HOUSING				84.0%	83.5%	73.4%	80.7%

16. REMARKS (Identify item number)

Line 4: The MCB Camp Pendleton, CA, is located approximately 35 miles north of San Diego and about 100 miles south of Los Angeles 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 included in the FY88 budget submission and 332 units included in the FY89 budget submission.

Line 12.b.(2): Cols. e through g reflect anticipated growth in community assets.

Project Composition

112 Enlisted Units	56 2-bedroom JEM
	56 3-bedroom JEM
	112 Total Units

1. COMPONENT	FY 1990 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 1993	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		592
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		24,900
f. PLANNED IN NEXT THREE PROGRAM YEARS		27,467
g. REMAINING DEFICIENCY		25,004
h. GRAND TOTAL		212,479

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
714	Family Housing Office	5,000 SF	592.0	7/88	2/89

9. Future Projects:

a. Included in following program (FY91) 300 units
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. Responsible for the Housing Dept., NEX, Commissary Store Station Housekeeping, waterfront and harbor.

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION LONG BEACH, CA	HOUSING OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	714-30	HC-1-84	592

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING OFFICE AND WAREHOUSE	SF	5,000	102.34	512
SUPPORTING FACILITIES	LS	-	-	21
SUBTOTAL.	-	-	-	534
CONTINGENCY (5%).	-	-	-	27
TOTAL CONTRACT COST	-	-	-	561
SUPERVISION, INSPECTION & OVERHEAD (5.5%) .	-	-	-	31
TOTAL REQUEST	-	-	-	592

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses the construction of a new Long Beach family housing office, the demolition of the existing office and adjacent storage/maintenance structures, and the construction of a new parking lot for staff and visitors. The construction will take place adjacent to the existing housing office and will impose no dislocation of services during the construction.

11. REQUIREMENT: Construct a new housing office that will best serve the needs of military service members in the Long Beach - Los Angeles area. Provide an enclosed play area for children within the exterior of the building and construct an off-street parking area for housing staff and visitors. (Current mission.)

CURRENT SITUATION: The existing housing office is over 40 years old and of wood frame construction. The interior wall surfaces are all of fiberboard, which is flammable. The exterior stucco and wood fascia show signs of severe weathering and paint failure. The roofing also shows signs of reaching the end of its serviceable life. The building has no insulation or weather stripping and has single glazed windows. Ventilation is provided by a few fans mounted in the exterior walls. Lack of insulation and adequate ventilation increases summer and winter air conditioning and heating costs. Overhead lighting is poorly located and the wiring has reached the end of its useful life. The plumbing is original and there is no hot water to the bathrooms. The heating system is surface mounted and is unsightly as an interior appearence. Exterior paving is broken and

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL STATION LONG BEACH, CA	
4. PROJECT TITLE	5. PROJECT NUMBER
HOUSING OFFICE	HC-1-84

LONG BEACH, CA (Continued)

disintegrating. The functional arrangement of the existing building does not allow sufficient privacy for counseling and children are confined to a small waiting area, often distracting the housing staff and other visitors.

IMPACT IF NOT PROVIDED: The building will remain a fire hazard. The finishes will continue to deteriorate, the paving will become a further potential liability, and the housing office's ability to implement its personalized services will be further hampered. Based on an A/E firm's 1984 submittal, the estimated cost to repair/improve the existing housing office would be approximately $300,000 at 1984 costs, not including a playground area or new off-street parking spaces. Considering the highly visual nature of this activity and the fact that it deals with all levels of Navy personnel on a daily basis, a new building is needed for the overall morale of the housing staff and personnel they serve.

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
PUBLIC WORKS CENTER SAN DIEGO, CA		1.21

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	8378	49797	17780	1360	19525	0	332	4251	0	101423
b. END FY 19 93	8448	47364	17775	1517	21670	0	386	4588	0	101748

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 2,093	
b. INVENTORY TOTAL AS OF 30 SEP 1988	304,017
c. AUTHORIZATION NOT YET IN INVENTORY	97,984
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,855
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	31,850
f. PLANNED IN NEXT THREE PROGRAM YEARS	53,358
g. REMAINING DEFICIENCY	401,280
h. GRAND TOTAL	890,344

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740-77	Family Housing Furnishings Warehouse	32,000 SF	1,855.0	6/88	10/89

9. Future Projects:

a. Included in following program (FY91) 300 units
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 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER SAN DIEGO, CA	HOUSING WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	740-77	HC-13-85	1,855

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING OFFICE AND WAREHOUSE	SF	32,000	49.61	1,588
SUPPORTING FACILITIES	LS	-	-	86
SUBTOTAL.	-	-	-	1,674
CONTINGENCY (5%).	-	-	-	84
TOTAL CONTRACT COST	-	-	-	1,758
SUPERVISION, INSPECTION & OVERHEAD (5.5%) .	-	-	-	97
TOTAL REQUEST	-	-	-	1,855

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a one story, concrete slab-on-grade, reinforced C.M.U. bearing walls and steel truss metal roof with insulation. Project will include utility connections, paved area, loading dock and interior storage racks, and a fire protection system.

11. REQUIREMENT: Construct a new centralized community storage facility for appliances (replacements and new facility requirements), self-help storage, abandoned storage, admin space, and record storage with a loading dock and a paved area with adequate landscaping. (Current mission.)

CURRENT SITUATION: Storage is presently located in an old wood building remotely located and without fire protection or adequate handling and stacking equipment. The present inadequate facility is not on a Public Work Center plant account or under control of the Housing Department and, therefore, cannot be adequately maintained or operated in an efficient manner.

IMPACT IF NOT PROVIDED: Present stored materials would be subject to fire damage/loss in excess of $1,000,000 (not including facility). Operations would continue to be inefficient and unproductive. Present manner and type of storage requires excess space and subjects materials to damage and or deterioration, and does not provide adequate security. The current remote location, Camp Elliot, requires excess manhours for the pick-up and transportation of government furnishings to housing sites.

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVY PUBLIC WOPKS CENTER SAN DIEGO, CA

4. PROJECT TITLE	5. PROJECT NUMBER
HOUSING WAREHOUSE	HC-13-85

SAN DIEGO, CA (Continued)

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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
PUBLIC WORKS CENTER SAN FRANCISCO, 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	1912	17442	8932	81	597	0	117	893	0	29974
b. END FY 19 93	1942	17940	8875	86	610	0	128	1124	0	30705

7. INVENTORY DATA ($000)	
a. TOTAL ACREAGE 692	
b. INVENTORY TOTAL AS OF 30 SEP 1988	186,536
c. AUTHORIZATION NOT YET IN INVENTORY	98,566
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	28,350
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	27,908
g. REMAINING DEFICIENCY	92,535
h. GRAND TOTAL	433,895

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	344	28,350	Turnkey	

9. Future Projects:

a. Included in following program (FY91) None
b. Major planned next three years (FY92) 300 units

10. Mission or Major Functions: Provide public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support, and all other public works logistic support incident thereto, required by the operating forces, and other activities being served by the Public Works Center.

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PUBLIC WORKS CENTER SAN FRANCISCO, CA	FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	H-523	28,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	344	51,866	17,842
BUILDINGS	SF	326,800	54.60	(17,842)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				7,751
PAVING & SITE IMPROVEMENTS				(2,666)
UTILITIES				(1,927)
LANDSCAPING				(357)
RECREATION				(321)
SPECIAL CONSTRUCTION FEATURES				(160)
DEMOLITION/REPLACE CONTAMINATED SOIL				(2,320)
SUB TOTAL				25,593
CONTINGENCY (5%)				1,279
TOTAL CONTRACT COST				26,872
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				1,478
TOTAL REQUEST				28,350
TOTAL REQUEST (ROUNDED)				28,350

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. Removal and replacement of contaminated soil is required to make available on-base site environmentally acceptable. An Environmental Assessment is under preperation. Special construction features include seismic bracing.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	2	950	1.1616	$47.00	344	17,842
					344	17,842

11. REQUIREMENT: 6236 FA ADEQUATE: 5033 FA SUBSTANDARD: 0 FA

Project: Construct 344 family housing units for enlisted personnel. (Current mission.)

Requirement: Adequate housing is needed for married personnel at this location where there is a critical shortage of affordable, suitable housing.

Current Situation: Families looking for housing in the private community face housing problems almost unparalleled in the Navy. Housing costs are among the highest in the nation with two-bedroom units in the City of San Francisco renting for an average of $800 per month plus utilities and for-sale units selling for $175,000 and up. Military families must compete for scarce affordable assets with a large low-income population in a market largely driven by new construction for middle and high-income professionals.

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVY PUBLIC WORKS CENTER
SAN FRANCISCO, CA

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING	H-523

SAN FRANCISCO, CA (Continued)

CURRENT SITUATION: (Continued) singles, and childless working couples. Housing allowances fall far short of standard rents throughout the Central Bay area. The waiting list for Government quarters consists of approximately 1,400 families who must wait up to two years for Navy family housing.

IMPACT IF NOT PROVIDED: Military members will be forced to choose between involuntary separation from the 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 1990	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT Navy	4. REPORTING INSTALLATION a. NAME PWC San Francisco	b. LOCATION California	
5. DATA AS OF 31 January 1988			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E5-E6 (b)	E2-E4 (c)	TOTAL (d)	OFFICER (e)	E5-E6 (f)	E2-E4 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	2360	12544	6388	21292	2070	12718	6346	21134
7. PERMANENT PARTY PERSONNEL	1914	11583	5959	19456	1945	12000	6039	19984
8. GROSS FAMILY HOUSING REQUIREMENTS	1288	7280	1287	9855	1312	7389	1231	9932
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	265	2348	639	3252				
a. INVOLUNTARILY SEPARATED	29	342	147	518				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	236	2006	492	2734				
10. VOLUNTARY SEPARATIONS	79	1137	273	1489	80	1153	261	1494
11. EFFECTIVE HOUSING REQUIREMENTS	1209	6143	1014	8366	1232	6236	970	8438
12. ADEQUATE HOUSING (a + b)	960	3824	382	5166	994	5033	502	6529
a. UNDER MILITARY CONTROL	462	2238	0	2700	462	3282	0	3744
(1) Housed in Existing DOD Owned/Controlled	448	2212	0	2660	462	2238	0	2700
(2) Under Contract/Approved					0	1044	0	1044
(3) Vacant	14	26	0	40				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	498	1586	382	2466	532	1751	502	2785
(1) Acceptably Housed	496	1583	375	2454	496	1583	375	2454
(2) Vacant Rental Housing	2	3	7	12	36	168	127	331
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	249	2319	632	3200	238	1203	468	1909
14. PROPOSED PROJECT					0	344	0	344
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				37.5%	58.1%	0.0%	48.4%
	b. ALL HOUSING				80.7%	86.2%	51.8%	81.5%

16. REMARKS (Identify item number)

Line 4: The main office of the Public Works Center, San Francisco Bay is located on the Oakland Army Base, Oakland, California. The Central Bay complex comprises all of Alameda County, and parts of Marin, Contra Costa and San Francisco Counties. San Francisco Bay lies to the west, San Pablo Bay and the City of Novato to the north, the Santa Clara County line on the east, and

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(Continued on reverse)

16. REMARKS (Continued)

the Alameda County line on the south. This area extends in a 30 mile radius from the PWC San Francisco Branch Housing Office at NAS Alameda. The mission is to provide public works, utilities, housing, engineering services, shore facilities planning support, and all other public works support incident thereto.

Project Composition

344 Enlisted Units 344 2-bedroom JEM

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SUPPORT FACILITY THURMONT, MD		0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 87	Classified Information									
b. END FY 19 93										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 11.00	
b. INVENTORY TOTAL AS OF 30 SEP 1988	287,910
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	289,110

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	11	1,200	Turnkey	

9. Future Projects:

a. Included in following program (FY91) None
b. Major planned next three years (FY92)(FY94) None

10. Mission or Major Functions: Naval Support Facility, Thurmont operates and maintains a mountain retreat for the President of the United States.

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUPPORT FACILITY THURMONT, MD	FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	H-123	1,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	11	69,909	769
BUILDINGS	SF	15,050	51.10	(769)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				277
PAVING & SITE IMPROVEMENTS				(120)
UTILITIES				(95)
LANDSCAPING				(30)
RECREATION				(9)
SPECIAL CONSTRUCTION FEATURES				(23)
SUB TOTAL				1,046
CONTINGENCY (5%)				52
TOTAL CONTRACT COST				1,098
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				60
TOTAL REQUEST				1,158
TOTAL REQUEST (ROUNDED)				1,160

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
SEM	3	1350	1.0877	$47.00	10	690
FGO	4	1550	1.0877	$47.00	1	79
					11	769

11. REQUIREMENT:

Project: Construct 11 adequate family housing units for military personnel. (Current mission.)
Requirement: Family housing is needed for military personnel.

Current Situation: All personnel are required to live within a 30-minute driving radius of this facility which supports Presidential activity. Junior officers and senior enlisted members are required to be aboard the facility within a shorter period after notification of a recall. Success of several operational/contingency scenarios require faster than 30 minute response.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NSF THURMONT, MD

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING	H-123

NAVAL SUPPORT FACILITY, THURMONT, MD (Continued)

CURRENT SITUATION: (Continued) There is limited housing available, in both military and civilian communities, which meet this criteria. Currently, for families awaiting Government quarters, the waiting time is a minimum of one year.

IMPACT IF NOT PROVIDED: The project will improve the activity's ability to properly fulfill its Presidential support mission.

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

There will be no impact on the local school system.

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3 INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
PUBLIC WORKS CENTER NORFOLK, VA		0.92

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	9034	79344	26537	865	5246		609	3483		125118
b. END FY 19 93	9115	75201	26836	1018	5306		631	3792		121899

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	168
b. INVENTORY TOTAL AS OF 30 SEP 1988	215,644
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	332
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	830
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	3,500 SF	332.0	7/88	4/89

9. Future Projects:

a. Included in following program (FY91) 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.

1. COMPONENT	FY 1990 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-21-84	332

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNITY CENTER	SF	3,500	66.24	232
SUPPORTING FACILITIES & DEMOLITION	LS	-	-	68
SUBTOTAL	-	-	-	300
CONTINGENCY (5%)	-	-	-	15
TOTAL CONTRACT COST	-	-	-	315
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	17
TOTAL REQUEST	-	-	-	332

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project consists of site preparation which includes demolition of an existing Butler Hut and foundations. Construction provides for wood frame or concrete block building with built up roof and the installation of Air conditioning, heating, plumbing and electrical systems.

11. REQUIREMENT: This project will demolish an existing structure and construct a 3,500 SF Family Community Center. The present quality of the recreational services provided to the Navy housing in this area are remote and not equal to those povided to housing areas that are contiguous to base facilities. COMNAVBASE Norfolk has classified Hewitt Farms as a remotely located housing project and has tasked PWC Norfolk to develop a recreational project where deficiencies exist. (Current mission.)

CURRENT SITUATION: Minimum indoor recreational facilities exist. Approval of this project will greatly enhance the livability of this community and will also tend to reduce juvenile delinquency problems by giving dependents a place to participate in group activities, as well as increase the morale of the occupants.

1. COMPONENT	FY 1990 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)

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

1. COMPONENT	FY 1990 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	23,340
b. INVENTORY TOTAL AS OF 30 SEP 1988	100,534
c. AUTHORIZATION NOT YET IN INVENTORY	48,642
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	23,213
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	27,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	30,611
g. REMAINING DEFICIENCY	10,800
h. GRAND TOTAL	241,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	112	23,213	Turnkey	

9. Future Projects:

a. Included in following program (FY91) 112 units
b. Major planned next three years (FY92) 108 units

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 19__ 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-809	23,213

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	112	138,304	15,490
BUILDINGS	SF	112,900	137.20	(15,490)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				5,465
PAVING & SITE IMPROVEMENTS				(2,550)
UTILITIES				(2,282)
LANDSCAPING				(460)
RECREATION				(150)
SPECIAL CONSTRUCTION FEATURES				(23)
SUB TOTAL				20,955
CONTINGENCY (5%)				1,048
TOTAL CONTRACT COST				22,003
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				1,210
TOTAL REQUEST				23,213

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three story family housing units; precast concrete structures with bulk storage areas, balconies, indoor common recreation area and geothermal space heating system. Cost of shipping U.S. precasting system included in $/NSF. Special construction costs required for removal of bedrock.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	2	950	2.8000	$49.00	86	11,209
JEM	3	1200	2.8000	$49.00	26	4,281
					112	15,490

11. REQUIREMENT: 1345 FA ADEQUATE: 1008 FA SUBSTANDARD: 0 FA

Project: Construct 112 adequate family housing units for enlisted personnel. (Current mission.)
Requirement: Adequate on-base family housing is needed for married personnel at this remote overseas location.

Current Situation: Under 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

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAS KEFLAVIK, ICELAND

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING	H-809

NAVAL AIR STATION KEFLAVIK, IC (Continued)

CURRENT SITUATION: (Continued) 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 separation 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 involuntary separation from their families. Such a choice will likely lead to poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.

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

NATO funding is not applicable to this project because it is not in a category eligible for NATO common funding.

Bilateral agreement of 1951 covering the U.S. presence in Iceland for defense purposes provides for U.S. unilateral construction of support facilities, other than those eligible for NATO common funding.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD) 880915	2. FISCAL YEAR 1990	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT Navy	4. REPORTING INSTALLATION a. NAME NAS Keflavik	b. LOCATION Iceland	
5. DATA AS OF 31 January 1988			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E6 (b)	E5-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E6 (f)	E5-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	582	2519	719	3820	419	2487	627	3533
7. PERMANENT PARTY PERSONNEL	413	2227	600	3240	417	2244	525	3186
8. GROSS FAMILY HOUSING REQUIREMENTS	385	1690	126	2201	308	1654	97	2059
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	33	627	79	739				
a. INVOLUNTARILY SEPARATED	33	627	79	739				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	0	0	0	0				
10. VOLUNTARY SEPARATIONS	69	315	47	431	67	309	36	412
11. EFFECTIVE HOUSING REQUIREMENTS	316	1375	79	1770	241	1345	61	1647
12. ADEQUATE HOUSING (a + b)	160	755	0	915	157	1008	0	1165
a. UNDER MILITARY CONTROL	160	755	0	915	157	1008	0	1165
(1) Housed in Existing DOD Owned/Controlled	159	748	0	907	157	758	0	915
(2) Under Contract/Approved					0	250	0	250
(3) Vacant	1	7	0	8				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	0	0	0	0	0	0	0	0
(1) Acceptably Housed	0	0	0	0	0	0	0	0
(2) Vacant Rental Housing	0	0	0	0	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	156	620	79	855	84	337	61	482
14. PROPOSED PROJECT					0	112	0	112
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				65.1%	83.3%	0.0%	77.5%
	b. ALL HOUSING				65.1%	83.3%	0.0%	77.5%

16. REMARKS (Specify item number)

Line 4: The Naval Air Station, Keflavik, Iceland, is a primary NATO strategic location. The facility is situated 27 miles WSW of Reykjavik (85,000 population) and one mile west of Keflavik (6,500 population) on a coastal lava plain. The economy is based on the fishing industry. Reykjavik is the center for all import-export traffic for Iceland. Under the terms of

DD Form 1523, NOV 85 Previous editions are obsolete.

(Continued on reverse)

16. REMARKS (Continued)

the Memorandum of Understanding between the Government of Iceland and the U.S. Government, all military sponsored families and unaccompanied personnel must reside on the Navy installation. No community housing is available.

Project Composition

112 Enlisted Units	86 2-bedroom JEM
	26 3-bedroom JEM
	112 Total Units

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
PUBLIC WORKS CENTER SUBIC BAY, REPUBLIC OF THE PHILIPPINES		1.06

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	648	4976	722	5	42	0	373	1432	0	8198
b. END FY 1993	702	5278	621	11	42	0	379	1449	0	8482

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	1,484
b. INVENTORY TOTAL AS OF 30 SEP 1988	101,004
c. AUTHORIZATION NOT YET IN INVENTORY	19,971
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	19,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	60,851
g. REMAINING DEFICIENCY	95,038
h. GRAND TOTAL	295,864

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	216	19,000	Turnkey	

9. Future Projects:

a. Included in following program (FY91) None
b. Major planned next three years (FY92, FY94) 300 units, 400 units

10. Mission or Major Functions: Provide direct logistics and operational support of the operating forces of the U.S. Navy and shore activities as assigned and to perform such other tasks and functions as directed.

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PUBLIC WORKS CENTER SUBIC BAY, REPUBLIC OF THE PHILIPPINES	FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	H-802	19,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	216	53,449	11,545
BUILDINGS	SF	226,800	50.90	(11,545)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				5,569
PAVING & SITE IMPROVEMENTS				(1,673)
UTILITIES				(2,204)
LANDSCAPING				(184)
RECREATION				(138)
SPECIAL CONSTRUCTION FEATURES				(115)
TELEPHONE EXCHANGE				(1,255)
SUB TOTAL				17,114
CONTINGENCY (5%)				856
TOTAL CONTRACT COST				17,970
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				988
TOTAL REQUEST				18,958
TOTAL REQUEST (ROUNDED)				19,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; Manufactured/Factory built in U.S., pre-finished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities. Ocean shipping cost included in $/NSF. Special construction features includes seismic bracing.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	2	950	1.0388	$49.00	162	7,834
JEM	4	1350	1.0388	$49.00	54	3,711
					216	11,545

11. REQUIREMENT: FA ADEQUATE: FA SUBSTANDARD: FA

Project: Construct 216 adequate family housing units for enlisted personnel. (Current mission.)

Requirement: Adequate on-base housing is needed for married personnel at this overseas location.

Current Situation: Off-base housing at this overseas location is inadequate by DoD standards. Problems such as limited or non-existent communications systems, frequent electrical power outages, poor and unsafe or extremely limited water supplies, ineffective fire and police protection, heavy flooding during rainy season, and inadequate sewage disposal continue to persist.

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER
SUBIC BAY, REPUBLIC OF THE PHILIPPINES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING	H-802

NAVAL PUBLIC WORKS CENTER, SUBIC BAY, RP (Continued)

CURRENT SITUATION: (Continued) Moreover, U.S. personnel are facing increasing risks to their safety, as evidenced by recent attacks on U.S. service members in the Philippines.

IMPACT IF NOT PROVIDED: Military members will be forced to choose 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 1990	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT: Navy	4. REPORTING INSTALLATION a. NAME: PWC Subic Bay	b. LOCATION: Republic of the Philippines	
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	1647	5269	1191	8107	1702	5394	1375	8471
7. PERMANENT PARTY PERSONNEL	1143	4039	937	6119	1197	4192	1086	6475
8. GROSS FAMILY HOUSING REQUIREMENTS	964	2799	172	3935	1017	2842	198	4057
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	226	1577	60	1863				
a. INVOLUNTARILY SEPARATED	22	33	1	56				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	204	1544	59	1807				
10. VOLUNTARY SEPARATIONS	71	221	112	404	77	244	129	450
11. EFFECTIVE HOUSING REQUIREMENTS	893	2578	60	3531	940	2598	69	3607
12. ADEQUATE HOUSING (a + b)	653	954	0	1607	653	1218	0	1871
a. UNDER MILITARY CONTROL	653	954	0	1607	653	1218	0	1871
(1) Housed in Existing DOD Owned/Controlled	651	948	0	1599	653	954	0	1607
(2) Under Contract/Approved					0	264	0	264
(3) Vacant	2	6	0	8				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	0	0	0	0	0	0	0	0
(1) Acceptably Housed	0	0	0	0	0	0	0	0
(2) Vacant Rental Housing	0	0	0	0	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	240	1624	60	1924	287	1380	69	1736
14. PROPOSED PROJECT					0	216	0	216
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				69.5%	55.2%	0.0%	57.9%
	b. ALL HOUSING				69.5%	55.2%	0.0%	57.9%

16. REMARKS (Specify item number)

Line 4: The Naval Complex, Subic Bay, Republic of the Philippines, is situated 85 miles northwest of Manila. Olangapo City (180,000 population) is immediately outside the base boundary. The facility serves as the primary Naval port in the Southwest Pacific Ocean. There is no suitable housing in the private sector.

DD Form 1523, NOV 85 *Previous editions are obsolete.*

(Continued on reverse)

16. REMARKS (Continued)

Project Composition

216 Enlisted Units	162	2-bedroom JEM
	54	4-bedroom JEM
	216	Total Units

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1990 BUDGET ESTIMATE
CONSTRUCTION IMPROVEMENTS

(In Thousands)

FY 1990 Program $42,086
FY 1989 Program $55,000

Purpose and Scope

This program provides for alterations, additions, expansions, or extensions to existing public quarters which will materially increase the useful life and livability of the units improved at a minimum of capital investment; includes energy conservation investments which meet energy savings criteria.

Program Summary

Authorization is requested for:

(1) Various improvements to existing family housing; and

(2) Appropriation of $42,086,000 to fund these improvements.

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE UNITED STATES	FAMILY HOUSING IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	VARIES	$42,086

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING - ALTERATIONS, ADDITIONS AND REHABILITATIONS	L/S	---	--	42,086
TOTAL REQUEST				42,086

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 1990 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	1,107.8
Improvements to 80 enlisted units. Provides for installation of gutters, downspouts, and splash blocks, weather stripping for exterior doors, setback thermostats, and blown insulation into the attic spaces. Includes partitioning of utility rooms, and separation of garage areas to provide each unit with a private garage and utility room. Provides for additional storage spaces, bathroom vanities, exhaust fans, tub enclosures, and ground fault interrupter receptacles. Provides for improved lighting in kitchens, bathrooms, and garage areas.	
CALIFORNIA	
MCAS EL TORO	200.0
Improvements to family housing units. Provides for timer controlled sprinkler irrigation system.	
NWC China Lake	456.9
Improvements to 500 officer and enlisted units. Install dishwashers, including hot water line and connection of discharge to existing garbage disposals.	
NS Long Beach	1,621.5
Improvements to 44 enlisted units and other real property throughout this housing area of 244 units, Phase I. Includes regrading site, installing gutters, downspouts, splash blocks, and water diverters. Reconfiguration of kitchen and dining area to include more counter space and cabinets. Provides for dishwashers, bathroom vanities, bathroom exhaust fans, patio covers, and screen doors. Includes an additional $3,014.9K of concurrent repairs for all units. (Separate DD Form 1391 provided for work on 44 units which require line item authorization.)	

1. COMPONENT	FY 1990 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 Long Beach Improvements to 201 officer and enlisted units. Install dishwashers including modifications to plumbing and electrical system.	345.2
CBC Port Hueneme Improvements to 223 enlisted units. Provide for storage sheds for each unit.	629.5
PWC San Diego Improvements to one flag officer unit. Includes alterations to the kitchen and bathrooms. Kitchen redesigned to maximize space with addition of cabinets and counter space. Reconfiguration of bathrooms to include vanities and combination bath/shower.	7.0
PWC San Diego Improvements to one installation commander quarters. Includes construction of approximately 400 square foot flagstone patio. Includes an additional $72.8K of concurrent repairs. (See Separate DD Form 1391.)	7.1
PWC San Diego Improvements to one flag officer unit. Provides for construction of a 12 x 50' patio adjacent to rear of quarters.	9.0
PWC San Francisco Improvements to 340 enlisted units. Includes installation of dishwashers, modification of existing base cabinets, hot water, drain piping, and electrical wiring.	392.3
FLORIDA	
NAS Key West Improvements to 1,391 officer and enlisted units. Provides for installation of AC/DC smoke detectors.	79.5

1. COMPONENT	FY 1990 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 Mayport Improvements to 50 officer and enlisted mobile home spaces. Includes additional street lighting, upgraded electrical services, storage sheds, overflow parking lots, sidewalks, and landscaping.	345.5
NTC Orlando Improvements to three officer and 200 enlisted units. Includes installation of aluminum gutters and downspouts, and concrete splash blocks.	213.8
NTC Orlando Improvements to one flag officer unit. Provides for gutters and downspouts, concrete splash blocks, and roof overhang.	4.2
NCSC Panama City Improvements to 65 officer and enlisted units. Provides for upgrading of street lighting and landscape.	79.0
PWC Pensacola Improvements to one installation commander quarters. Provides for central air conditioning and improved heating system.	37.7
GEORGIA	
MCLB Albany Installation of blown-in insulation to 319 family housing units.	320.0
ILLINIOS	
PWC Great Lakes Improvements to 262 enlisted housing units. Provides for new vestibules, new kitchen layout, additional baths, attached garages, and electrical modernization. Provides for the installation of acoustical insulation, patios, fencing, electric smoke detectors, door bell systems, and relocation of gas service meter.	8,709.6

1. COMPONENT	FY 19 90 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	
Includes an additional $8,488.5K of concurrent repairs. (See Separate DD Form 1391.)	
LOUISIANA	
NAS New Orleans Improvements to one installation commander quarters. Provides for new kitchen layout.	2.6
NAS New Orleans Construct additional carports for three officer units.	14.7
MISSOURI	
MCFC Kansas City Installation of aluminum storm windows in 240 enlisted housing units.	356.0
NEW JERSEY	
NAEC Lakehurst Improvements to 32 officer units. Provides for additional electrical duplex outlets, ground fault interrupter receptacles, exterior outlets, interior closets, bathroom vanities, electric smoke detectors, hose bibs, light fixtures and reconfiguration of bedrooms. Includes an additional $1,207.5K of concurrent repairs. (See Separate DD Form 1391.)	738.9
NAEC Lakehurst Improvements to one installation commander quarters. Provides for electrical outlets, and satellite oil fired furnace. Includes an additional $76.1K of concurrent repairs. (See Separate DD Form 1391.)	4.0

1. COMPONENT	FY 1990 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	
NEW YORK	
NS New York Improvements to ten officer units. Provides for ground fault interrupter receptacles in kitchens and bathrooms, dishwashers, electric smoke detectors, vinyl shutters, multi-zoned heating controls, attic fans, setback thermostats, central air conditioning and four foot fences. Includes an additional $460.1K of concurrent repairs. (See Separate DD Form 1391.)	381.9
NS New York Improvements to five officer and five enlisted units. Provides for dishwashers, vinyl shutters, ground fault interrupter receptacles, electric smoke detectors, setback thermostats, central air conditioning, pipe insulation, hot water heating system, underground fuel oil storage tanks, playground equipment, shrubs, fencing, patios, and street lighting. Includes an additional $297.5K of concurrent repairs. (See Separate DD Form 1391.)	421.6
NORTH CAROLINA	
MCAS Cherry Point Provides for improvements to 214 family housing units. Work includes provision of entrance overhangs, deadbolt locks, door viewports, installation of attic fans, new electrical receptacles and light fixtures, expansion of storage rooms, and new roof drains. Includes an additional $10,283.0K of concurrent repairs. (See Separate DD Form 1391.)	3,115.0
MCAS Cherry Point Project corrects 44 mobile home space deficiencies in parking, paving, walkways, fencing, electrical service, flooding, clogged drop inlets, drain pipes, pump station building and electrical connections.	262.0

1. COMPONENT	FY 1990 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	
MCB Camp Lejeune	547.0
Construct parking facilities to alleviate deficiencies.	
SOUTH CAROLINA	
NH Beaufort	385.2
Improvements to 50 officer and enlisted units. Provides for installation of vinyl siding, soffets, fascia, window trim, carport posts, storm/screen doors, and exterior rear light fixtures.	
TENNESSEE	
NAS Memphis	236.2
Improvements to 1,456 officer and enlisted units. Provides for fluorescent lighting in the kitchens, bathrooms, and hall areas.	
TEXAS	
NAS Chase Field	980.5
Improvements to 208 officer and enlisted units. Install additional storage, parking, door bells, and enclose the carports.	
NAS Corpus Christi	252.2
Improvements to 350 officer and enlisted units. Provides for additional parking.	
VIRGINIA	
NB Little Creek	1,365.7
Improvements to 273 enlisted units. Install fluorescent light fixtures in kitchen, ground fault interrupters, ducted range hoods, garbage disposals, dishwashers, dryer vents, and medicine cabinets. Provides for television antennas to 63 buildings, and 1/2 baths in 40 units.	

1. COMPONENT	FY 1990 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	
NB Little Creek Improvements to 546 enlisted units. Install fluorescent light fixtures in kitchen and garage, pre-set thermostats, separate switches for bathroom exhaust fans, additional receptacles in laundry rooms, and exterior light fixtures for garage.	480.6
PWC Norfolk Improvements to 257 enlisted units. Provides for landscaping to include shade trees, flowering trees and shrubs.	121.7
PWC Norfolk Improvements to seven flag officer units. Install exhaust fans and duct work in existing bathrooms.	18.9
NSY Portsmouth Improvements to 125 enlisted units. Provides for the installation of storage sheds, patios, service cables, bathroom exhaust fans, doorbells, fluorescent light fixtures in kitchen, privacy fences, storm drain piping, drainage swales, vinyl siding on storage sheds, security lighting meter, drops and laundry rooms in 56 units.	1,639.5
WASHINGTON	
NSB Bangor Improvements to 100 enlisted units. Install dishwashers, garbage disposals, combination storm/screen doors, and showers in master bathrooms. Provides for adequate kitchen, bathroom, and carport lighting. Provides for the lowering of bathroom ceilings and installation of energy-saving double glazed windows. Includes an additional $3,784.4K of concurrent repairs. (See Separate DD Form 1391.)	2,059.8

1. COMPONENT	FY 19 90 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	
WEST VIRGINIA	
NS Sugar Grove Improvements to ten enlisted units. Provides for installation of additional insulation in the attic, turbine vents, central air conditioning, and ground fault interrupter outlets for the kitchens.	108.5
NS Sugar Grove Improvements to 40 officer and enlisted units. Provides for installation of sidelight windows on front porches, and smoke detectors, doorbells, ground fault interrupter outlets in kitchen and bathrooms, and hose bibs. Provides for dishwashers in 8 units.	373.4

1. COMPONENT	FY 1990 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	
BRITISH WEST INDIES	
NAS Bermuda Improvements to 250 officer and enlisted units. Includes installation of storage rooms, shelving, windows, and attic vents.	208.1
CANADA	
NF Argentia Improvements to one installation commander quarters. Includes installation of wood framed thermo-pane windows, ducted range hood with light and fan, new electrical system, and fluorescent lighting fixtures.	11.4
NF Argentia Improvements to 214 officer and enlisted units. Includes installation of wood framed thermo-pane windows, kitchen cabinetry, dishwasher, electrical systems, fluorescent light fixtures in kitchen, and storage sheds.	2,380.5
CUBA	
NS Guantanamo Bay Improvements to one installation commander quarters. Provides for a dishwasher and panel, kitchen cabinets, bath exhaust fan and switch and meter. Includes an additional $97.3K of concurrent repairs. (See Separate DD Form 1391.)	7.4
JAPAN	
PWC Yokosuka Improvements to 398 officer and enlisted units. Provides for the installation of new patio covers and dishwashers.	1,842.0
MARIANAS	
PWC Guam Improvements to one installation commander quarters.	39.0

1. COMPONENT	FY 19 90 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	
Provides for the construction of a covered patio with privacy screen, protective cover over A/C unit, living/dining room divider, and wall lining. Provides for insulation, solar film on windows, clothes dryers, and fluorescent light fixture in bathrooms and kitchens.	
PWC Guam Improvements to 27 officer and enlisted units. Provides for the construction of carports with storage areas and driveways, trash enclosures, patios, downspouts, dishwashers, range hoods, and garbage disposals.	1,256.0
PWC Guam Improvements to 212 officer and enlisted units. Provides for the installation of new drainage pipelines.	699.4
PWC Guam Improvements to two officer units. Install A/C system with heat recovery unit.	36.3
PWC Guam Improvements to two officer units. Install dishwashers, carport storage areas and gutters with downspouts.	34.5
PWC Guam Improvements to two officer units. Provides for fluorescent lighting, installation of heat recovery units and solar film on glass windows.	25.4

1. COMPONENT	FY 19_90 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	
PWC Guam Improvements to 132 enlisted units. Provides for the construction of carports, driveways, additional half baths, patios, trash enclosures, and storage areas. Provides for the installation of solar window film, wall insulation, heat recovery units, fluorescent lights, and clotheslines.	3,960.0
PWC Guam Improvements to 16 officer and enlisted units. Provides for the construction of carports with storage areas, driveways, trash enclosures, patios, privacy walls, and additional half baths. Includes the installation of gutters with downspouts.	743.3
PWC Guam Improvements to six enlisted units. Provides for the construction of carports with storage areas, driveways, trash enclosures, patios, and privacy walls. Includes the installation of gutters with downspouts.	305.2
PHILIPPINES	
PWC Subic Bay Improvements to one flag officer unit. Provides for additional carport.	7.0
SPAIN	
NAVSTA Rota Improvements to 480 officer and enlisted units. Includes complete kitchen and bathroom upgrades, construction of linen closets, and installation of closet doors, and shelves.	2,090.0

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION LONG BEACH, CA	WHOLEHOUSE REPAIRS/IMPROVEMENTS 44 ENLISTED UNITS AND OPP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-30	HC-2-84 PHASE I	$4,636.4

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	44	14,802	651.3
CONCURRENT REPAIRS AND MAINTENANCE	EA	44	35,384	1,556.9
SUBTOTAL	EA	44	50,186	2,208.2
FAMILY HOUSING IMPROVEMENTS	EA	200	4,851	970.2
CONCURRENT REPAIRS AND MAINTENCE	EA	200	7,290	1,458.0
SUBTOTAL			12,141	2,428.2
TOTAL REQUEST				4,636.4
Area Cost Factor = 1.10				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide all needed repairs and improvements to 44 San Pedro units and repairs and improvements to the other real property throughout this housing area of 244 units at NAVSTA Long Beach.

11. REQUIREMENT: Improvements/Repairs: Project improvements required are to regrade site; install gutters, downspouts, splash blocks, and water diverter; install patio cover; provide concrete walk between utility room and garage; extend patio (two units only); install screen doors; close-off pocket doors; gutting of the kitchen/dining areas and a complete reconfiguration of this area; replace kitchen and utility room flooring; new bathroom vanity; install bathroom exhaust fans. Repairs: sandblast and color coat exterior stucco; replace front, utility room, sliding glass, garage, and garage service doors; repair and paint exterior trim; replace exterior outlet with GFI; replace exterior lights; replace hose bibs and water service valve; replace sewer clean out box; complete interior painting; replace vinyl tile; replace cove base; replace interior door hardware; replace ceiling insulation; replace kitchen cabinets, stove, range hood, sink, plumbing fixtures, shut-off valves, and lights; repair bath shower pan; replace water closets, lavatories, faucets, angle stops, valves, and connectors; replace medicine cabinets, mirrors, lights and vanity; replace outlet with GFI; replace shower curtain rod, cold water line insulation, and toilet accessories; repair forced air heating unit; replace thermostats; replace duplex outlet and switches; install GFI outlets in kitchen; replace electrical service panel and breakers; replace smoke detectors; replace interior lights.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL STATION
LONG BEACH, CA

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

CURRENT SITUATION: Improvements and Repair: Units are without gutters, downspouts, or splash blocks, so water is not being diverted from the units' perimeter. Patios are without covers which prevents their year-round use. There is no walk between utility room and garage which results in mud/dirt being tracked into the unit. Units are without screen doors. Therefore, they are prone to pest infiltration. Pocket doors are not used and need to be secured. Kitchen configuration is not functional and needs to be modified by means of the removal of one wall and incorporation of this space into the kitchen. Units do not have dishwashers. One bathroom does not have a vanity and neither bath has exhaust fans.

IMPACT IF NOT PROVIDED: Units will still be considered undesirable due to the lack of amenities expected by occupants of Navy housing. The investment required for these repairs and improvements will result in more useable, functional units and occupant satisfaction will be increased.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
U.S. NAVY PUBLIC WORKS CENTER SAN DIEGO, CA	WHOLEHOUSE IMPROVEMENTS & REPAIRS TO ONE ICQ UNIT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-43	HC-24-86 HR-27-86	$ 79.9

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	1	7,100	7.1
CONCURRENT REPAIRS AND MAINTENANCE	EA	1	72,800	72.8
	EA	1	79,900	79.9
TOTAL REQUEST				79.9
Area Cost Factor = 1.21				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide alterations to the kitchen and baths in the Installation Commander Quarters. Bathrooms will be altered to provide useable facilities with modern components. The kitchen will be altered to incorporate existing breakfast room space into the kitchen. Concurrent repairs include electrical repairs/rewiring; window replacement; replacement of steam piping and insulation; replacement of drainage system; and replacement of bathroom and kitchen components not a part of the improvement portion of the project. NOTE: This project will not result in an increase to the existing net square footage of this unit.

11. REQUIREMENT: Improvements: Project improvements to the kitchen and bathrooms are required to make these facilities more functional for the occupants. The kitchen needs to be modernized to make it a useful component of the unit. It will be totally redesigned, incorporating the underutilized space in the breakfast room. Additional cabinets and counter space will be provided. Bathrooms will be reconfigured to best serve the need of the occupants. One bath will be made into a bath for the master bedroom. Modern conveniences, such as vanities and a combination bath/shower, will also be provided.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

U.S. NAVY PUBLIC WORKS CENTER
SAN DIEGO, CA

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

CURRENT SITUATION: The kitchen in this unit is from another era. Built in 1904, the kitchen was originally designed for "bus-boy" use only. Space is minimal. There is enough space for casework and appliances, and no space for eating. The adjoining breakfast room is separated from the kitchen. Bathrooms suffer from the same antiquated layout and need to be modernized. While some baths may offer adequate space, the current configuration does not best utilize this space. Current showers are jury-rigged. Due to age and layout, both the bathrooms and kitchen are difficult to maintain hygenically.

IMPACT IF NOT PROVIDED: This unit will continue to be below acceptable standards. Occupant dissatisfaction will continue and have a negative impact on the use and enjoyment of their assigned quarters. Unit deterioration will accelerate, maintenance costs will increase, and low occupant morale will result.

1. COMPONENT	FY 19 90 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 262 ENLISTED UNITS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-20	HC-1-88 HR-1-86	$17,198.1

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	262	33,243	8,709.6
CONCURRENT REPAIRS AND MAINTENANCE	EA	262	32,399	8,488.5
	EA	262	65,642	17,198.1
TOTAL REQUEST				17,198.1
Area Cost Factor = 1.09				

DESCRIPTION OF PROPOSED CONSTRUCTION

This project includes wholehouse improvements and repairs to 262 units of enlisted "Wherry" housing in Forrestal Village. Improvements: Provide partition changes, new vestibules, new kitchen layout, new baths, HVAC, acoustical insulation, patios, fencing, drainage tile, electrical modernization, smoke detectors, door bell system, relocate gas service and meter, and attached garages. Repairs: Repair concrete ceiling, exterior walls, windows, kitchens, baths, and overlay drivewavs.

11. REQUIREMENT: Improvements: Units lack proper layout to provide for present-day minimum standards for family housing. Kitchen work space, cabinet storage and bulk storage are inadequate, units do not have entrance vestibules to prevent cold air from entering, lack of exhaust fan causes wall and ceiling finishes to deteriorate due to excessive humidity, baths and kitchens do not have GFI outlets, additional wall receptacles are required due to partition changes, air conditioning is necessary to meet present cooling requirements for this area, HVAC distribution is inadequate, building identification numbers are needed for orientation, buildings lack foundation insulation and drainage, patios and privacy fencing are needed, electric service grounding does not comply with NEC requirements, units lack entry bell system, gas meter location precludes full use of utility rooms, enclosed parking facilities proximate to the front doors are needed during the winter months in this climate.

1. COMPONENT	FY 19 90 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	

Repairs: The concrete ceilings are rough, do not absorb sound, are difficult to maintain, and are unsightly. The exterior walls lack sufficient insulation, are poorly finished on the interior and exterior surfaces, and allow excessive moisture infiltration. The windows are of poor material and overall quality, with broken seals between the glazing, and do not have a thermal barrier in the metal frames. The furnaces are old and inefficient and beyond their useful life. The rooms located farthest from the furnace do not heat properly and remain cold during the winter months. The kitchen cabinets, and appliances are worn out and beyond the expected life. The baths have original 1948 fixtures and are at the end of their expected life. They have chips and require excessive maintenance.

CURRENT SITUATION: Improvements/Repairs: "Flintstone Village" as the Forrestal Village Wherry Housing is commonly known, is constructed with precast concrete panels with insulation board sandwiched inside the panels. The units are structurally sound, and are fireproof. The units are well sited with ample open space. The exterior walls are poor thermal and moisture barriers. They are very unpleasant in appearance. The roofs are flat with constant maintenance requirements. Interior layouts and amenities are well below present-day standards. Laundry facilities are located outside the units. Many items are in violation of present safety codes.

IMPACT IF NOT PROVIDED: If this project is not implemented, habitability problems will continue to lower occupant morale. Occupants will continue to be inconvenienced due to lack of necessary modern-day amenities. Maintenance cost will continue to escalate. A "Prototype" building has been completed and is considered a successful rehabilitation of these units.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR ENGINEERING CENTER LAKEHURST, NJ	WHOLEHOUSE IMPROVEMENTS/REPAIRS TO 32 OFFICER UNITS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-41/42/43	HC-6/7/8-85 HR-6/7/-86	$1,946.4

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	32	23,091	738.9
CONCURRENT REPAIRS AND MAINTENANCE	EA	32	37,734	1,207.5
	EA	32	60,825	1,946.4
TOTAL REQUEST				1,946.4
Area Cost Factor = 1.09				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project includes whole house improvements and repairs to 32 junior and senior officer units. Improvements: Provide electrical outlets, GFI receptacles, exterior waterproof outlets, additional circuits in kitchens, additional interior clothes closets, bathroom vanities, smoke detectors, frost free hose bibs, light fixtures, reconfiguration of Quarters H&K from four-2 bedroom units to four-3 bedroom units with a new two-story addition (720SF) being added to quarters; reconfiguration of Quarters T from eight-2 bedroom units into six-3 bedroom units; reconfiguration of Quarters Y from two-2 bedroom units into one-1 bedroom unit and one-3 bedroom unit with a new one-story bathroom and hall addition (220SF) being added to the unit; alternate reconfiguration plan of Quarters Z from two-2 bedroom units into two-3 bedroom units with a new one-story bath and bedroom and bedroom addition (600SF) being added to the unit. Provide satellite oil fired water furnace Quarters A through W; provide new site lighting and landscaping. Repairs: Replace doors, windows, repairs to interior and exterior finishes, support buildings and replace roof in Quarters X.

II. REQUIREMENT: In some quarters spacing of duplex outlets are not adequate, do not have sufficient number of electrical receptacles to meet minimum standards, do not have exterior waterproof receptacles, some kitchen circuits are overloaded, some bathrooms are not wired to GFI breakers as required by NEC Code, insufficient storage in some bathrooms, wall hung sinks are not compatible with vanities; some quarters do not have clothes closet on first floor, do not have electric smoke detectors,

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL AIR ENGINEERING CENTER
LAKEHURST, NJ

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

hose bibs at rear yards, or light fixture at basement/stairways. Executive order 12003, of 20 Jul 77 directs all Federal agencies to reduce energy consumption levels; in order to provide heat to on-station quarters, the main NAEC steam boiler plant must operate two months longer each year than would be necessary; in order to gain a substantial energy cost savings, the main plant would not have to be activated for approximately one month at the beginning and end of each heating season; Quarters X-Y-Z have basements and it would be economically feasible to provide an oil fire hot water furnace in each building. Present site lighting and landscaping, is not adequate. Repairs: Exterior doors require excessive maintenance, hardware is deteriorated, weather stripping is deformed or missing, storm doors fit poorly, and leak air, panels are deformed, windows do not function properly, many are painted shut, sash balances do not work, have single glazing and are not energy efficient. Interiors have been painted and repainted numerous times, paint layers are cracking and delaminating. Flooring at rear porches of Quarters H&K is deteriorated due to moisture, dryer exhaust vented through basement windows; windows cannot be opened, brick work is old and joints are eroded, permitting moisture penetration, numerous cracks of varying size and width in brick work.

CURRENT SITUATION: Improvements/Repairs: Insufficient number of electrical receptacles, convenience receptacles in kitchen are all on one circuit. There is constant overload on circuit. Wet areas are not protected against ground fault. Some bathrooms are cluttered and lack proper enclosed storage, and there is no interior clothes closet on first floor Quarters H&K. Smoke detector batteries wear out and are not replaced. Some units do not have an exterior hose bib, and light fixtures are non-existant at basement stairways. The main NAEC steam boiler plant will continue to fire up at near maximum production for approximately two months longer each heating season in order to provide a minimum amount of heat required for family housing on station quarters. Street lighting is substandard and does not meet minimal illumination requirements. Landscaping is sporadic, and is not aesthetically pleasing.

IMPACT IF NOT PROVIDED: There is a potential danger to families if electrical systems are not upgraded to handle the modern appliances demand loads. Some bathrooms will continue to be cluttered and unsightly. Smoke detectors will not be as reliable. Some occupants will not have direct access to exterior water supply outlet. The lack of a light fixture at the basement stairway will continue to be a safety hazard. If satellite or centralized furnaces are not provided, the opportunity to save energy and reduce maintenance costs will be lost. Site lighting will be inadequate and tenant safety will be compromised.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR ENGINEERING CENTER
LAKEHURST, NJ

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

Scarce landscaping makes area appear barren and does not add to the quality of life of the occupants. Occupants will continue to live in unsatisfactory units. Doors, windows, interior and exterior finishes will continue to deteriorate and result in excessive maintenance costs. If this project is not implemented, habitability problems will continue to lower occupants morale.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR ENGINEERING CENTER LAKEHURST, NJ	WHOLEHOUSE IMPROVEMENTS/REPAIRS TO ONE ICQ UNIT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-43	HC-13-85 HR-6-86	$ 80.1

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	1	4,000	4.0
CONCURRENT REPAIRS AND MAINTENANCE	EA	1	76,100	76.1
	EA	1	80,100	80.1
TOTAL REQUEST				80.1
Area Cost Factor = 1.09				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project includes wholehouse improvements and repairs to Quarters "A". Improvement: Provide duplex electrical outlets, and satellite oil fired furnace. Repair: Front and rear entrance doors with hardware, replace storm doors, and windows; repair brick work, interior finishes, replace kitchen cabinets, and appliances.

11. REQUIREMENT: Improvements: Spacing of electrical outlets are not adequate. Executive order 12003, of 20 Jul 77, directs all Federal Agencies to reduce energy conservation levels. In order to provide heat to all on station quarters, main NAEC steam boiler plant must operate two months longer each year than would normally be necessary. In order to gain a substantial energy cost saving, the main steam plant would not be required to be activated for approximately one month at the beginning and end of each heating season. Repairs: Exterior entrance doors and storm doors, are deteriorated and deformed, fit poorly and allow air infiltration. Windows sash balances are broken, single glazing panes lose heat, window have numerous coats of paint and do not open properly. Some sashes and frames are rotted. Interior walls have been repainted numerous times and paint layers are cracking and delaminating. Brick work is old, and joints are eroded. Numerous cracks of vary size and width in brick work. Kitchen cabinets and equipment are old and deteriorated.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR ENGINEERING CENTER
LAKEHURST, NJ

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

CURRENT SITUATION: Improvement and Repairs: Insufficient number of electrical outlets causing electric circuit to trip off. NAEC steam boiler plants operates at near capacity for approximately two months longer each heating season in order to provide a minimum amount of heat required for family housing. Doors and windows are substandard, fit poorly and are difficult to open or close properly, losing energy needlessly. Occupants are inconvenienced by interior finishes which have deteriorated and are unsightly. Brick work is in various stages of deterioration and moisture penetrates outer walls. Occupants not able to fully utilize kitchen as a result of age and deterioration.

IMPACT IF NOT PROVIDED: Potential electrical shock danger to occupants if outlets are not upgraded. If satellite furnace is not provided for, an opportunity will be lost to save energy and reduce operational costs for all excessive maintenance costs. The unit will continue to be inconvenient and unsafe in some areas for the occupants and morale will suffer.

1 COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
NAVY		

3 INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION NEW YORK, NY	WHOLEHOUSE/SITE IMPROVEMENTS AND REPAIRS, 10 OFFICER UNITS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-42/43	HC-1-87 HR-1-87	$ 842.0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	10	38,190	381.9
CONCURRENT REPAIRS AND MAINTENANCE	EA	10	46,010	460.1
	EA	10	84,200	842.0
TOTAL REQUEST				842.0
Area Cost Factor = 1.26				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses wholehouse and site improvements and repairs to on-station officer units R-3, R-4A, R-4B, R-4C, R-4D, R-5, R-6, R-7, R-8, R-9. Improvements: Provide GFI receptacles in kitchens and bathrooms; dishwashers; hard wired smoke detectors; vinyl shutters at sides of buildings; multi-zoned heating controls; 4' high fence at side of unit R-7. Repairs: Replace front and rear entrance doors and frames; rear wood steps and platforms; stone sill; plaster walls and ceilings with gypsum board; windows; roofing; kitchen sink, cabinets, and flooring; bathroom fixtures, accessories, tile wainscot, and flooring; circuit breakers and fused disconnect switches in R-5, R-6, and R-7; pipe insulation on hot and cold water lines in units R-5, 6, 7; asbestos pipe and tank insulation with fiberglass; concrete walks; concrete curb. Reset slate walk. Replace gutters and downspouts; hot and cold water lines; interior electrical system. Waterproof basement walls and add foundation drains in quarters R-3.

11. REQUIREMENT: Kitchens and baths do not have GFI receptacles as required by code. Kitchens do not have dishwashers. Units do not have hard wired smoke detectors as required by DOD criteria. Exterior of buildings could be greatly improved by the addition of shutters at windows in front and sides of buildings. Heating is controlled by a single thermostat located on the first floor of buildings, which offers poor control. There is heat build-up in the summer that could be eased by the use of attic fans. Buildings have single set thermostat, the use

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL STATION NEW YORK, NY	
4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER

of a set-back thermostat will reduce heat, load and provide energy savings. Repairs: Front and rear doors and frames are worn, have cracks and do not fit properly. Rear wood steps and platform are worn, are termite infested, and in poor condition. Stone sill at front entrance of unit R-3 is badly chipped. Plaster walls and ceilings are badly cracked and buckled. Windows are very old, excessively painted and do not work properly. Asphalt roof shingles are very old and brittle, some cracking. Cement asbestos roof shingles are cracked or missing in many places and are in poor condition. Kitchen cabinets are old, show signs of wear, drawers do not operate properly. Sinks are stained or dented. Resilient floors are worn. Bathroom fixtures are very old and worn. Light circuit and fused disconnect switches in the basements of units R-5, R-6, R-7 are very old and rusty. There is insufficient insulation on hot and cold water piping. Asbestos has been found in pipe and tank insulation. Concrete walks are cracked and broken at the rear of unit R-4D. Concrete curb at the front R-4 is broken. Slate walk at rear of R-5 has irregular settlement. Gutters and downspouts will be damaged when new roofing is done. Hot and cold water piping is very old, requires excessive maintenance. Interior electrical system is old and outmoded, requires frequent repairs. Water is penetrating through the basement walls of unit R-3.

CURRENT SITUATION: Improvements/Repairs: Non GFI protected receptacles are being used in the kitchen and baths. Battery operated smoke detectors are being used. Attics have excessive heat in summer. Heat does not have good controls. Energy is being wasted without set-back thermostats. Window A/C units are being used. Dishes are being washed by hand. Interior and exterior repair requirements are causing increasing maintenance costs for these units. The deficiencies are being "lived with" but are contributing to a general discontent with these units which are in need of repair. Energy is being wasted by the doors and windows. Asbestos insulation is a potential safety hazard. Heating and ventilation requirements are wasting energy.

IMPACT IF NOT PROVIDED: The proposed improvements will increase the quality of life for the occupants and the proposed repairs will extend the useful life of the units and site. If not implemented; the units will require increasing amounts of maintenance and eventually some systems will fail. In some cases, safety problems will increase to the point of being serious violations of sound building practices.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION NEW YORK, NY	WHOLEHOUSE/SITE IMPROVEMENTS AND REPAIRS, 5 OFFICERS, 5 ENLISTED

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-30/31/42	HC-2-87 HR-2-87	$ 719.1

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	10	42,160	421.6
CONCURRENT REPAIRS AND MAINTENANCE	EA	10	29,750	297.5
	EA	10	71,910	719.1
TOTAL REQUEST				719.1
Area Cost Factor = 1.26				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses wholehouse and site improvements and repairs to 5 units of officer housing and 5 units of enlisted housing at Floyd Bennet Field. Improvements: Provide dishwashers; vinyl shutters in front and sides of buildings; GFI receptacles; hard wired smoke detectors; set-back thermostats; central air-conditioning; hot and cold water pipe insulation; hot water heating system; underground fuel oil storage tanks in Qtrs. A and B; shrubs; playground equipment; 4' high fence between playground road; brick patios; street lighting. Repairs: Replace front and rear entrance and storm doors; heater and storage room doors; interior swing doors; closet door track and hardware; kitchen cabinets and counter tops; medicine cabinets; windows; VAT flooring; kitchen sinks; kitchen light fixtures; fuel oil tanks; underground electric system; tile roofing in officer Qtrs; boilers and stacks in Qtrs C, D, and E; concrete walk in EM-5 unit.

11. REQUIREMENT: Improvements: Kitchens do not have dishwashers. Exterior appearance of the buildings could be greatly improved by the addition of shutters at windows in front and sides of buildings. Bathrooms and kitchens do not have GFI receptacles. Units do not have wired smoke detectors as required by code. Units have single set thermostats which are not energy efficient. Units are not air-conditioned and are permitted central air by DOD criteria. Domestic hot and cold water piping is not insulated which is wasting energy. Existing warm air heating system

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL STATION
NEW YORK, NY

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

has ducts buried in the ground which is a potential hazard. Fuel oil storage tanks are above ground, need maintenance and are aesthetically unpleasant. Units have little or no shrubbery. Playground equipment is inadequate, and worn. There is no safety barrier at the playground at the main vehicular road. There are no patios at the rear of the quarters. There is no street lighting. Repairs: Front and rear doors are weather worn, insecure and do not fit properly. Rear storm doors have bent panels and are in poor condition. Exterior heater room and storage room doors are rusting or delaminating. Interior swing doors are delaminating. Track and kitchen base, wall cabinets and countertops have deteriorated, drawers are broken, doors do not fit properly, and counter tops are severly marred. Medicine cabinets are rusted. Wood double hung windows do not operate properly, are drafty, and in poor condition. Asphalt tile flooring has mismatched tiles, and are worn and cracked. Kitchen sinks are stained and show signs of ware, some are dented. Kitchen light fixtures are aging, and do not give adequate lighting. Underground fuel oil tanks are approximately 20 years old and near the end of their expected life. Underground electric service is in poor condition. Tile roofing in officer units has cracked and not set level; some movement has taken place. Boiler units and stacks in Qtrs C, D, and E are old, inefficient, and in poor condition. Concrete walk at unit EM-5 is cracked and broken.

CURRENT SITUATION: Improvements/Repairs: Dishes are being washed by hand. Electrical receptacles in kitchens and baths are not GFI protected. Smoke detectors are battery operated. Energy is being wasted without set-back thermostats. Window units or fans are being used to cool the units in the hot summer weather. Site is not being utilized to its potential without required improvements. The present deteriorated condition of the interior and exterior doors, the closet door tracks, the kitchen cabinets and counter tops, medicine cabinets, windows, flooring, kitchen light fixtures, contribute to discontent among the occupants, are presently a nuisance and will eventually lead to major maintenance problems.

IMPACT IF NOT PROVIDED: The proposed improvements will increase the quality of life for the occupants and the proposed repairs will extend the useful life of the units and site. If not implemented, the units will require increasing amounts of maintenance and eventually some systems will fail. In some cases, safety problems will increase to the point of being serious hazards.

1 COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
USMC		

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
MCAS, CHERRY POINT, NC	Whole-house Repairs and Improvements - 214 Units

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
	711	CP-H-813-M2 II CP-H-833-R2 II	$ 13,398.0

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing Improvements	LS	214	14,556	3,115
Concurrent Repair and Maintenance	LS	214	48,051	10,283
			62,607	13,398
TOTAL REQUEST				13,398

Area Cost Factor is .96
Request Includes 5.5% SIOH

10 DESCRIPTION OF PROPOSED CONSTRUCTION:

This project will install: new roof canopies over unprotected entrances, concrete walkways, extended roof overhangs, attic fans, deadbolt locks and viewports at entrance doors, new electrical receptacles and light fixtures, provisions for electric meters, insulated laundry room additions at some units expansion of existing storage rooms in other units for use as new laundry areas and new roof drains. Concurrent repair and maintenance work includes: 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 provides for new wall and ceiling insulation. Provides erosion control.

11. REQUIREMENTS: This project is requested to reduce energy waste, eliminate sources of maintenance problems, improve safety and habitability, preserve the integrity of interior finishes and exterior systems and improve the overall useability of these units.

CURRENT SITUATION: Kitchens and baths are antiquated and inefficient. Insulation is poor and doors and windows are extremely drafty. Foundation and exterior wall repairs are required. Doors, floors, windows, cabinets, walls, and

1. COMPONENT	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
USMC		

3. INSTALLATION AND LOCATION

MCAS, CHERRY POINT, NC

4. PROJECT TITLE	5. PROJECT NUMBER
Whole-house Repairs and Improvements-214 Units	CP-H-813-M2 II CP-H-833-R2 II

11. Continued:
electrical and plumbing fixtures are badly worn, rotted or rusted and in need of repair or replacement.

IMPACT IF NOT PROVIDED: Failure to authorize this project will result in the further deterioration and obsolescence of these units. High energy use, excessive maintenance efforts, uncorrected potential safety hazards and occupant dissatisfaction will continue to increase. Additionally, the morale and quality of the military families who live in these units will be continually degraded.

ADDITIONAL COMMENTS: This project is the second phase of a larger project which encompasses repairs and improvements to an overall total of 846 units. The first phase was identified in FY 89, the second herein, and the third and fourth to be programmed for FY 91 and FY 92.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, BANGOR BREMERTON, WA	WHOLEHOUSE REPAIRS/IMPROVEMENTS 100 ENLISTED UNITS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-70	HC-1-85 HR-1-85	$5,844.2

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	100	20,598	2,059.8
CONCURRENT REPAIRS AND MAINTENANCE	EA	100	37,844	3,784.4
	EA	100	58,442	5,844.2
TOTAL REQUEST				5,844.2
Area Cost Factor = 1.14				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project is for wholehouse repairs and improvements to 100 three bedroom townhouse enlisted family housing units and detached carports at Jackson Park. Improvements: Installation of dishwashers, garbage disposals, combination storm/screen doors, and stall showers in master bathrooms; provide overhead bedroom lighting and improved kitchen, bathroom, and carport lighting, energy efficient furnaces, installation of gutters and downspouts on carports and outside storage areas; installation of roof ridge vents, and hardwiring smoke detectors. Repairs: Architectural, plumbing and electrical repair work such as replacement of interior and exterior doors, wood and vinyl flooring and cove base, bathroom accessories, range hoods, kitchen and bathroom exhaust fans, stair treads and risers, as well as repairs to front entries, carports, siding, privacy fences and exterior storage areas.

11. REQUIREMENT: Improvements: Includes wholehouse architectural, plumbing and electrical improvements to be performed concurrently with associated wholehouse repairs. The installation of combination storm/screen doors will allow added ventilation for the units in warm weather, and provide entry door protection and improve resident comfort by reducing cold air infiltration and heat loss in colder months. Roof ridge

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL SUBMARINE BASE, BANGOR
BREMERTON, WA

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

REQUIREMENT: vents are required to reduce excessive moisture under roofs. The catherdral ceilings in the second floor bathrooms will be lowered to a standard eight foot height, enabling residents to clean them and increasing the effectiveness of the exhaust fan, which is located on the wall above the door. Basic kitchen amenities such as dishwashers and garbage disposals were eliminated from the original construction program, and these are the only Jackson Park units without them. Neither carports nor outside storage areas have gutters or downspouts to channel rainwater away from the buildings and personal entries. Original gas fired forced-air furnaces installed in 1970 are not energy efficient and will be replaced. Single glazed windows and patio doors will be replaced with energy-saving double glazed windows. The bathroom vanity shelving which has no storage area will be replaced by free-standing vanities, and more efficient bathroom lighting will be provided. Battery operated smoke detectors will be replaced with hardwired smoke detectors with battery backup. Incandescent lighting in carports is to be replaced with fluorescent type fixtures.

Repairs: Cracked, split and weathered entry doors, as well as interior closet, bedroom, and bathroom doors will be replaced, mismatched and worn nine-inch vinyl floor tile and hardwood parquet flooring which can no longer be sanded will be replaced along with the chipped and damaged cove base molding. Replace older bathroom accessories, reglaze fiberglass tubs that are pitted and cracked, refinish scuffed and worn stair treads and risers; replace dented and unsightly range hoods and inefficient, noisy kitchen and bathroom exhaust fans, replace weathered exterior decking and rails. Repairs are required on carports, exterior storage doors. privacy fences, and siding where weathered.

CURRENT SITUATION: Solid core entry doors, exposed to the elements since construction, show severe weathering. Summer ventilation is impractical as no entry screen is currently provided. Original bifold closet and interior doors of birch veneer are showing age and replacement hardware is difficult to obtain. Single glazed windows and patio doors are not energy efficient nor do they 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, thus creating 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.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL SUBMARINE BASE, BANGOR
BREMERTON, WA

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

CURRENT SITUATION: Because no overhead 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 no dishwasher or garbage disposal. Kitchen cabinets and countertops are chipped and stained.

Hardwood parquest flooring in living areas, in most cases, is becoming too thin to be sanded, and nine-inch vinyl floor tile 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 only one full bathroom. The master bathroom contains only a lavatory and commode, although this bathroom is large enough to accommodate a stall shower. Existing formica lavatory vanity shelving is chipped and stained. Bathrooms have no storage cabinet under the sink. Medicine cabinets have interior rust. Many shower curtain rods are dented and show rust spots. Other bathroom accessories are mismatched and chrome plating is flaking off. Fiberglass tubs have hairline cracks and in some cases are chipped as well as stained. Bearings are worn in most bathroom and kitchen exhaust fans, excessive noise results.

Decking and rails have become weathered and dryrot is pervasive. Plywood canopy shrouds over upstairs bedroom windows 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, and channeling water away from these buildings is a continual concern. Privacy fences are deteriorating.

Original forced-air furnaces are inefficient as they approach 20 years of age. Battery operated smoke detectors should be replaced with a hard-wired system containing a battery backup. Incandescent lighting should be replaced with energy efficient fluorescent type fixtures.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL SUBMARINE BASE, BANGOR
BREMERTON, WA

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

IMPACT IF NOT PROVIDED: These are the only units at Jackson Park which do not contain a dishwasher and garbage disposal, and the only three bedroom units without a shower in the master bedroom. Without improvements and concurrent repairs to these 100 units, energy waste and high maintenance costs will continue. Resident convenience will continue to be adversely affected, and the units will remain less desirable than newer units in the area.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
U.S. NAVAL STATION GUANTANAMO BAY, CUBA	WHOLEHOUSE IMPROVEMENTS & REPAIRS TO ONE ICQ UNIT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-43	HC-10-85 HR-10-85	$104.7

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	1	7,400	7.4
CONCURRENT REPAIRS AND MAINTENANCE	EA	1	97,300	97.3
	EA	1	104,700	104.7
TOTAL REQUEST				104.7
Area Cost Factor = 1.61				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project includes wholehouse improvements and repairs to one senior officer unit. Improvement work includes: installation of exhaust fans, garbage disposal, dishwasher, venetian blinds and electrical meter base and meter. Repair work includes: replacement of roof, windows, siding, flooring, and bathroom and kitchen fixtures.

11. REQUIREMENT: The kitchen cabinets are worn, outdated and can not be repaired. The sheet vinyl flooring is worn and has seams which are hazardous. The Cuban tile flooring is cracked and replacement pieces are not available. The windows and doors are loose and have deteriorated and are not energy efficient. Some fixtures such as the showerstall and range hood exhaust fan are shipboard components. The bathroom fixtures are outdated and non-matching with loose ceramic tile. The medicine cabinets are obsolete, the duplex receptacles adjacent to sinks are not ground fault and bathroom lighting is incandescent type and insufficient. Bathrooms have neither windows nor exhaust fans. The roof shingles have deteriorated and the corrugated asbestos exterior wall is a maintenance and potential health problem.

CURRENT SITUATION: Improvements/Repairs: The unit is functional but, the kitchen and bathrooms do not meet DOD design standards. The doors and windows are energy inefficient. Service calls are frequent.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
U.S NAVAL STATION
GUANTANAMO BAY, CUBA

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

IMPACT IF NOT PROVIDED: This unit is in a highly visible location overlooking the entrance to Guantanamo Bay. As such, it is visually scrutinized by vessels from around the world. The Bay services the U.S. Naval Base, communist Cuba and other communist bloc countries. The condition of the unit will continue to deteriorate creating more of an eyesore and increasing maintenance and repair requirements. Energy will continue to be wasted and communist bloc countries impressions of the United States of America will demise.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1990 BUDGET ESTIMATE
ARCHITECTURAL AND ENGINEERING SERVICES
AND CONSTRUCTION DESIGN

(In Thousands)

FY 1990 Program $1,000
FY 1989 Program $2,315

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 $1,000,000 to fund new construction and improvement program design requirements.

1. COMPONENT	FY 19 90 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	$1,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
A&E SERVICES & CONSTRUCTION DESIGN		—	--	1,000
NEW CONSTRUCTION	L/S	--	--	(640)
IMPROVEMENTS	L/S	--	—	(360)
TOTAL REQUEST				1,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Funds to be utilized under 10 USC 2807 for architectural and engineering services and construction design in connection with military family housing new construction and construction improvement projects. Evaluation of turnkey design and engineering investigations, such as field surveys and foundation explorations, will be undertaken as necessary.

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11. REQUIREMENT: VARIES

All projects in a military family housing construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. Costs for architectural and engineering services, turnkey evaluation, and construction design are not included in the construction project cost estimates.

IMPACT IF NOT PROVIDED: FY 1990, 1991 and FY 1992 project execution schedules cannot be met.

SUPPORT

DEPARTMENT OF THE NAVY
FAMILY HOUSING - 1990 BUDGET ESTIMATE
OPERATION AND MAINTENANCE

($000)

FY 1990 Program 600,766
FY 1989 Program 529,240

Purpose and Scope

a. Operation. This portion of the program provides for expenses in the following sub-accounts:

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

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

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

Miscellaneous. Includes work or services peformed for the benefit of family housing occupants, including mobile home hook-ups and disconnections, for which reimbursement will be received; payments to the U. S. Coast Guard for Navy occupancy of Coast Guard housing; and United Kingdom accommodation charges.

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

c. Maintenance. This portion of the program supports the upkeep of family housing real property, as follows:

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

Other Real Property. Includes maintenance, repair and replacement of electrical, gas, water, sewage and other utility distribution systems located within family housing areas, and the portion of activity utility rates attributable to distribution system maintenance when separately identified. Also includes maintenance and repair of any other family housing real property, such as grounds, surfaced areas and family housing community facilities.

Alterations and Additions. Includes minor incidental improvements to dwellings or other real property performed under the authority of 10 USC 2805. Larger scope or higher dollar value items are funded in the construction program.

Program Summary

Authorization is requested for an appropriation of $588,849,000. This amount, together with estimated reimbursements of $11,917,000 will fund the Fiscal Year 1990 program of $600,766,000.

A summary of the funding program for Fiscal Year 1990 follows (in thousands):

	Appropriation Request					
	Operations	Utilities	Maintenance	Total	Reimbursements	Total Program
Navy	$ 88,837	142,345	252,855	484,037	10,267	494,304
Marine Corps	$ 17,365	35,578	51,869	104,812	1,650	106,462
Total DON	$106,202	177,923	304,724	588,849	11,917	600,766

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 1990 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 1990 BUDGET ESTIMATE
OPERATION AND MAINTENANCE SUMMARY
NAVY AND MARINE CORPS

(Excludes Leased Units and Costs)

	FY 1989 Estimate	FY 1990 Estimate
A. Workload Data		
1. Inventory Data		
Average Inventory for Year Requiring O&M Funding:		
a. Conterminous U.S.	77,194	78,663
b. U.S. Overseas	5,981	5,981
c. Foreign	9,605	9,730
d. Worldwide	92,780	94,374

	FY 1989 Enacted		FY 1989 Estimate		FY 1990 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements						
1. Operations						
a. Management	42,513	458	45,641	492	51,018	541
b. Services	32,323	348	33,442	360	35,709	378
c. Furnishings	15,910	171	15,710	169	18,688	198
d. Miscellaneous	401	4	441	5	787	8
Subtotal - Operations	91,147	982	95,234	1,026	106,202	1,125
2. Utilities	179,127	1,931	172,680	1,861	177,923	1,885
3. Maintenance						
a. Maint. & Repair of Dwellings	202,358	2,181	207,609	2,238	254,003	2,691
b. Maint. & Repair of Other Real Property	33,332	359	34,709	374	42,436	450
c. Alts. & Addns.	6,260	67	6,445	69	8,285	88
Subtotal - Maintenance	241,950	2,608	248,763	2,681	304,724	3,229
4. Total, O&M Expenses (TOA)	512,224	5,521	516,677	5,569	588,849	6,240
5. Appropriation	512,224	5,521	516,677	5,569	588,849	6,240
6. Reimbursements	11,563	125	11,563	125	11,917	126
7. Total Program	523,787	5,645	528,240	5,693	600,766	6,366

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1990 BUDGET ESTIMATE
OPERATION AND MAINTENANCE
NAVY

(Excludes Leased Units and Costs)

	FY 1989 Estimate	FY 1990 Estimate
A. Workload Data		
1. Inventory Data		
Average Inventory for Year Requiring O&M Funding:		
a. Conterminous U.S.	56,126	57,165
b. U.S. Overseas	5,981	5,981
c. Foreign	9,149	9,274
d. Worldwide	71,256	72,420

	FY 1989 Enacted		FY 1989 Estimate		FY 1990 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements						
1. Operations						
a. Management	35,494	498	37,842	531	43,106	595
b. Services	25,361	356	26,280	369	28,584	395
c. Furnishings	12,982	182	12,982	182	16,360	226
d. Miscellaneous	401	6	441	6	787	11
Subtotal - Operations	74,238	1,042	77,545	1,088	88,837	1,227
2. Utilities	143,751	2,017	138,304	1,941	142,345	1,966
3. Maintenance						
a. Maint. & Repair of Dwellings	159,367	2,237	164,555	2,309	209,870	2,898
b. Maint. & Repair of Other Real Property	26,881	377	27,754	389	35,400	489
c. Alts. & Addns.	5,760	81	5,945	83	7,585	105
Subtotal - Maintenance	192,008	2,695	198,254	2,782	252,855	3,492
4. Total, O&M Expenses (TOA)	409,997	5,754	414,103	5,811	484,037	6,684
5. Appropriation	409,997	5,754	414,103	5,811	484,037	6,684
6. Reimbursements	10,063	141	10,063	141	10,267	142
7. Total Program	420,060	5,895	424,166	5,953	494,304	6,826

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1990 BUDGET ESTIMATE
OPERATION AND MAINTENANCE
MARINE CORPS

(Excludes Leased Units and Costs)

	FY 1989 Estimate	FY 1990 Estimate
A. Workload Data		
1. Inventory Data		
Average Inventory for Year Requiring O&M Funding:		
a. Conterminous U.S.	21,068	21,498
b. U.S. Overseas	0	0
c. Foreign	456	456
d. Worldwide	21,524	21,954

	FY 1989 Enacted		FY 1989 Estimate		FY 1990 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements						
1. Operations						
a. Management	7,019	326	7,799	362	7,912	360
b. Services	6,962	323	7,162	333	7,125	325
c. Furnishings	2,928	136	2,728	127	2,328	106
d. Miscellaneous	0	0	0	0	0	0
Subtotal - Operations	16,909	786	17,689	822	17,365	791
2. Utilities	35,376	1,644	34,376	1,597	35,578	1,621
3. Maintenance						
a. Maint. & Repair of Dwellings	42,991	1,997	43,054	2,000	44,133	2,010
b. Maint. & Repair of Other Real Property	6,451	300	6,955	323	7,036	327
c. Alts. & Addns.	500	23	500	23	700	32
Subtotal - Maintenance	49,942	2,320	50,509	2,347	51,869	2,363
4. Total, O&M Expenses (TOA)	102,227	4,749	102,574	4,766	104,812	4,774
5. Appropriation	102,227	4,749	102,574	4,766	104,812	4,774
6. Reimbursements	1,500	70	1,500	70	1,650	75
7. Total Program	103,727	4,819	104,074	4,835	106,462	4,849

DEPARTMENT OF THE NAVY
FAMILY HOUSING - 1990 BUDGET ESTIMATE
JUSTIFICATION
NAVY

OPERATING EXPENSES

FY 1989	FY 1990
$77,545,000	$88,837,000

The FY 1990 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 1989	FY 1990
$37,842,000	$43,106,000

Requirements and adjustments from FY 1988 to FY 1990 are shown below:

	($M)
FY 1988 Actual	36.6
Price increases	.4
PCS Moves	.2
Training/Travel for New Family Housing Courses	.2
ADP Procurement	.2
Increased Site Analysis/Planning for Acquisition Proposals	.2
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

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT. Funding adjustments are proposed in the Family Housing Management Account for the initial implementation of the Navy sponsored program to provide relocation assistance to military families. This program will assist families during PCS moves to locate housing and adapt to their new environments. The cost of the contract in FY 1989 is for the start up of the service and initial award of the contract at Public Works Center Norfolk, Virginia. The increased costs in FY 1990 are a result of full implementation of the relocation service. Other proposed increases in the management account are for establishment of a

housing referral office in Bahrain and award of a contract to enhance referral services in Rota, Spain, La Maddalena, and Naples, Italy, allowable inflation increases, and management of programs to acquire additional housing assets. The budget request will also provide for enhancing ADP/computer training programs that will eventually lead to improved retention and recruitment of management personnel and improved housing services.

SERVICES

FY 1989	FY 1990
$26,280,000	$28,584,000

Requirements and adjustments are as follows:

	($M)
FY 1988 Actual	24.1
New units on line	1.4
Price increases	.8
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

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT. Increases are for price increases and costs associated with providing fire and police protection, pest control, street cleaning, snow removal and refuse collection and disposal for newly acquired or constructed units.

FURNISHINGS

FY 1989	FY 1990
$12,982,000	$16,360,000

Requirements and adjustments are as follows:

	($M)
FY 1988 Actual	11.1
Program increase	1.5
Price increase	.4
FY 1989 Estimate	13.0
Civilian personnel compensation	.1
Price increase	.6
Equipment for 538 units provided by GOJ	.9
Expanded overseas loaner furnishings program	.4
Reduce backlog of over-aged equipment	1.4
FY 1990 Estimate	16.4

RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT. The proposed FY 1990 Furnishings Account Program increases include costs associated with the continued replacement of stoves and refrigerators that have exceed their useful life. Many Navy families are forced to make use of obsolete, worn out stoves and refrigerators because of austere funding in prior years. An additional program increase, the expanded overseas loaner furniture program, is a long term plan, 5+ years, commencing in FY 1988. However, it was delayed due to austere funding ($104K in FY 1988, $220K in FY 1989, which is approximately 1 percent of the total requirement). It 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. These 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 Government of Japan (GOJ) will be providing 538 family housing units for our Navy families; however, it is our responsibility to provide the equipment for the units according to the country-to-country agreement.

MISCELLANEOUS

FY 1989	FY 1990
$441,000	$787,000

Requirements and adjustments are as follows:

	($M)
FY 1988 Actual	.4
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

RATIONALE FOR CHANGES IN THE MISCELLANEOUS ACCOUNT. The Navy acquired 102 additional family housing units from the RAF at Hendon, England. Due to a country-to-country agreement, the U.S. Navy is required to pay the United Kingdom, accommodation charges for our occupancy of Family Housing units at Hendon. These units were acquired in lieu of leasing under provisions contained in the treaty between England and the United States. These units are on the property account of NAVACTS United Kingdom in London and are being used for their designated purpose. The accommodation charges provide for street cleaning, trash removal, sewage and road maintenance. Other program increases are for land lease charges at Harold E. Holt and reimbursement for 95 Coast Guard units at Otis AFB.

UTILITIES

Requirements and adjustments are as follows:

FY 1989	FY 1990
$138,304,000	$142,345,000

	($M)
FY 1988 Actual	134.0
New Units on Line	2.2
Price increases	2.1
FY 1989 Estimate	138.3
New units on line	2.0
Price increases	2.0
FY 1990 Estimate	142.3

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT. The utilities account proposes an increase for allowable inflationary factors. Price increases are for costs associated with providing electricity, heat, water, and sewage for newly acquired or constructed units at three overseas and four CONUS activities. 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 1989	FY 1990
$198,254,000	$252,855,000

Requirements and adjustments are as follows:

	($M)
FY 1988 Actual	188.4
Price increases	5.8
Reduce the backlog of maintenance	4.1
FY 1989 Estimate	198.3
Reduce the backlog of maintenance and repair	47.6
Radon abatement repairs	2.8
Foreign currency repricing	4.2
FY 1990 Estimate	252.9

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT. Program increases in FY 1990 are for costs associated with reducing the increasing backlog of deferred maintenance in over 70,000 Family Housing units. Repair funds have been grossly underfunded since FY 1984 and inspite of that, repair projects scheduled for execution have been deferred to offset the reduction taken in the operations and utilities accounts. Deterioration of Family Housing 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. Other program increases are for the detection and monitoring of RADON gas in Family Housing. The detection phase includes testing of individual Navy units to collect information about the gas and its prevalence in Navy Family Housing units. The repair phase includes the mitigation of radon levels found in any Family Housing units.

REIMBURSABLE AUTHORITY

FY 1989	FY 1990
$10,063,000	$10,267,000

	($M)
FY 1988 Actual	8.2
Program increase	.3
Revised estimate of collections	1.6
FY 1989 Estimate	10.1
Price increase	.2
FY 1990 Estimate	10.3

RATIONALE FOR CHANGES IN THE REIMBURSABLE ACCOUNT. FY 1988 reflects an increase for involuntary collections for damages to government quarters.

MARINE CORPS
JUSTIFICATION

OPERATING EXPENSES

FY 1989	FY 1990
17,689,000	17,365,000

The FY 1990 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 1989	FY 1990
7,799,000	7,912,000

Requirements and adjustments are as follows:

	($M)
FY 1988 Actuals	7.3
Civilian personnel compensation	.1
Program increase for structural studies for major repairs	.2
Program increase for initial award of acquisition of automated systems	.2
FY 1989 Estimate	7.8
Increased staffing for new units on line	.1
FY 1990 Estimate	7.9

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 1989	FY 1990
7,162,000	7,125,000

Requirements and adjustments are as follows:

	($M)
FY 1988 Actuals	6.3
Civilian personnel compensation	.3
Revised contract cost for police and fire protection	.4
New units on line	.2
FY 1989 Estimate	7.2
Projected audit cost savings	(.4)
Civilian personnel compensation	.3
FY 1990 Estimate	7.1

The program decrease reflects a projected audit cost savings in the FY 1989 program. 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 1989	FY 1990
2,728,000	2,328,000

Requirements and adjustments are as follows:

	($M)
FY 1988 Actuals	2.2
Program increase for new units on line	.5
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

The Furnishings account request reflects a program decrease based on the existing level of inventory 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 1989	FY 1990
34,376,000	35,578,000

Requirements and adjustments are as follows:

	($M)
FY 1988 Actuals	31.5
Program increase for new units on line	2.0
Price increases	.9
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

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 1989	FY 1990
50,509,000	51,869,000

Requirements and adjustments are as follows:

	($M)
FY 1988 Actuals	56.1
Program decrease	(5.6)
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

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 II of a major rehabilitation project at one activity.

The FY 1990 requirements have been developed using historical data for recurring maintenance and for major repair projects identified for the FY 1989 program. The projected deferred maintenance will remain at a high level after the proposed FY 1989 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 1989	FY 1990
1,500,000	1,650,000

Requirements and adjustments are as follows:

	($M)
FY 1988 Actuals	1.0
Program increase for revised damage collection	.5
FY 1989 Estimate	1.5
Increased collections for new mobile home units on line	.2
FY 1990 Estimate	1.7

The FY 1990 estimate reflects an increase for involuntary collections for damages for mobile homes spaces.

1. COMPONENT	FY 19 90 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 1990 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 obligation in FY 1990 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 19 90 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						
NAS, Alameda	100 Alameda Rd	2,800	3,900	28,600	35,300	0

Operations consist of management, services, and furnishings. Maintenance and repairs include exterior painting, routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters.

PWC San Diego	3T NOSC	1,800	3,600	48,400	54,000	7,000

Operations consist of management, services, and furnishings (carpet cleaning). Maintenance and repairs include routine maintenance, change of occupancy work, and major repair. Work will include the renovation of existing kitchen to improve layout and replace deteriorated fixtures and cabinetry. Renovations include replacement of resilient flooring, electrical repairs/rewiring, connection of plumbing fixtures, installation of appliances. HR 18-88 provides for the replacement of deteriorated roof. Project improvements will include construction of approximately 400 square foot flagstone patio on a concrete base adjacent to unit. Project will not increase existing square footage of unit.

PWC San Diego	"V" NASNI	1,900	4,300	100,700	106,900	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major rehab. project. Work will provide for the replacement of all windows, repair of doors, exterior surface repairs by wet sandblasting, stucco colorcoat, and paint down spouts. Remove all areas of stucco that have blistered and separated from building face.

DISTRICT OF COLUMBIA						
NAVDISTWASH	A, WNY	9,900	10,800	295,100	315,800	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

1. COMPONENT	FY 1990 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

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.

NAVDISTWASH	C, WNY	7,700	3,800	248,200	259,700	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.

NAVDISTWASH	G, WNY	5,400	4,500	227,100	237,000	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.

NAVDISTWASH	U, WNY	10,400	6,700	230,400	247,500	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 90 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						
FLORIDA						
NAS, Jacksonville "A"		1,200	4,200	38,900	44,300	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, repairs to the quarters that will provide for the installation of vinyl siding to prevent damage to wood and preclude additional exterior painting.

MARYLAND

USNA Annapolis	1 Buchanan	10,000	19,400	37,800	67,200	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, interior painting, repairs to walls, ceilings, floors, and doors, repairs to heating, air conditioning, plumbing, electrical and mechanical systems, repair of exterior awnings and cleaning exterior windows, gutters and downspouts, and maintenance of exterior distribution lines for steam and hot water systems.

NAS Patuxent River	A Bldg 944	1,700	6,300	72,900	80,900	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major repair project. Project HR-2-88 will provide for surface preparation and exterior painting to restore quarters to near its original condition.

VIRGINIA

PWC Norfolk	G-8 Illinois House	3,900	8,100	285,800	297,800	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 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 bring the quarters back to a

1. COMPONENT	FY 1990 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						
standard commensurate with their historical significance and the grade/position of the assigned occupants, and to retain the quarters in the inventory for at least another 25 years.						
PWC Norfolk	G-30 VA House	3,500	14,600	349,540	367,640	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 bring the quarters back to a standard commensurate with their historical significance and the grade/position of the assigned occupants, and to retain the quarters in the inventory for at least another 25 years.						
PWC Norfolk	M-3 New Hampshire House	2,700	8,300	206,400	217,400	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 bring the quarters back to a standard commensurate with their historical significance and the grade/position of the assigned occupants, and to retain the quarters in the inventory for at least another 25 years.						
PWC Norfolk	SP-18	1,900	4,000	25,000	30,900	2,700
Operations consist of management, services, and furnishings. Maintenance and repairs include interior painting, routine maintenance, maintenance for the replacement of deteriorated storm windows. Major repair effort will						

1. COMPONENT	FY 19 90 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						

support the installation of vinyl siding for wood trim. Funds identified as improvement will be used to install duct work and exhaust fan in existing bathrooms.

PWC Norfolk	SP-19	2,900	5,400	25,000	33,300	2,700

Operations consist of management, services, and furnishings. Maintenance and repairs include partial interior painting, routine maintenance. Major repair effort will support the installation of vinyl siding for wood trim. Funds identified as improvement will be used to install duct work and exhaust fan in existing bathrooms.

PWC Norfolk	SP-24	2,800	4,200	25,000	32,000	2,700

Operations consist of management, services, and furnishings. Maintenance and repairs include partial interior painting, routine maintenance. Major repair effort will support the installation of vinyl siding for wood trim. Funds identified as improvement will be used to install duct work and exhaust fan in existing bathrooms.

1. COMPONENT	FY 19 90 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	1,500	9,100	50,900	61,500	0

Operations consist of management, services and furnishings. Maintenance and repairs will provide for the replacement of a 40 year old steam heating system and the replacement of hot and cold water piping which is corroded and calcified.

PWC Yokosuka	18 Halsey	1,500	12,700	46,900	61,100	0

Operations consist of management, services, and furnishings. Maintenance and repairs will provide for extensive repairs to the heating and plumbing systems.

PHILIPPINES						
PWC Subic Bay	224	2,100	5,000	9,900	17,000	7,000

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, change of occupancy, minor interior repairs and partial interior painting.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
MARINE CORPS		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	TOTAL	IMPROVS
INSIDE THE UNITED STATES						
CALIFORNIA						
MCAS EL TORO	A	2,255	1,510	33,976	37,691	0

Operations consist of management, services, and furnishings. Maintenance and repair include routine recurring maintenance, interior paint, repair drainage, replace storm doors, and rehab kitchen and baths.

MCAS EL TORO	B	3,055	1,759	33,847	38,661	0

Operations consist of management, services, and furnishings. Maintenance and repair include routine recurring maintenance, interior paint, replace storm doors, and rehab kitchen and baths.

MCAS TUSTIN	A	2,716	1,974	48,550	53,240	0

Operations consist of management, services, and furnishings. Maintenance and repair include routine recurring maintenance, interior paint, replace storm doors, and rehab kitchen and baths.

MCB CAMP PENDLETON	24154	4,200	6,990	92,000	103,190	0

Operations consist of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, interior paint, seal coat driveway, and repair structural damage to 3 foot wide walls and adjoining porches, walkways and patio.

NORTH CAROLINA

MCAS CHERRY PT	318	1,541	4,980	95,643	102,164	0

Operations consist of management, services, and furnishings. Maintenance and repair include routine recurring maintenance and whole house renovation to include replacement of bathrooms, rewiring the electrical system, plumbing repairs, replace HVAC system with heat pump, replacement of windows, and roof replacement.

1. COMPONENT	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
MARINE CORPS		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	TOTAL	IMPROVS
INSIDE THE UNITED STATES						
VIRGINIA						
MCCDC QUANTICO	1	5,720	4,767	99,555	110,042	0

Operations consist of management, services, and furnishings. Maintenance and repair include routine recurring maintenance, and mechanical and electrical repairs to include: repair/replacement of plumbing, repair/replacement and upgrade of the electrical system, repair/replacement of the heating and cooling system, and miscellaneous other repairs.

1. COMPONENT	FY 1990 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		
ALASKA		
NAS Adak	49,763	3,981.0
Repairs to 80 units to include: Replace all kitchen countertops, sinks, disposals, range hoods, flooring, refinsh cabinets; repair minor tub and shower leaks; replace existing bath exhaust fans and switches; replace flooring in living rooms, dining rooms and hallways; refinish/repair/replace all interior doors, including closet doors, hardware, frames and locksets; replace garage doors; replace window vent screens and assemblies; replace siding, repair soffits and fascias; replace electrical switches, receptables and fixtures. Concurrent improvements are proposed at a cost of $1,107,800 to include: Installation of gutters, downspouts, and splash blocks, weather stripping for exterior doors, setback thermostats, and blown insulation into the attic spaces. Includes partitioning of utility rooms, and separation of garage areas to provide each unit with a private garage and utility room. Provides for additional storage spaces, bathroom vanities, exhaust fans, tub enclosures, and ground fault interrupter receptacles. Provides for improved lighting in kitchens, bathrooms, and garage areas.		
CALIFORNIA		
NAF El Centro	24,000	24.0
Repairs to one installation commander quarters: Replace air conditioner and furnace, kitchen counter tops, sink and plumbing fixtures, and carport slab. Sandblast and colorcoat exterior stucco.		

1. COMPONENT	FY 19 90 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 ($)	TOTAL ($000)
IN THE UNITED STATES		
NAF El Centro Repairs to 101 units to include: Replace air conditioners and furnaces, windows, electrical receptacles and light fixtures, kitchen counter tops, sinks and plumbing fixtures. Sandblast and colorcoat exterior of units.	26,300	2,656.3
NAVSTA Long Beach Repairs to 44 units to include: Sandblast and colorcoat exterior stucco; replace front doors, utility room doors, sliding glass doors, garage doors, and garage service doors; repair and paint exterior trim; replace exterior outlet with ground fault interrupter; replace exterior lights; replace hose bibs and water service valve; replace sewer clean out box; complete interior painting; replace vinyl floor tile; replace cove base molding; replace interior door hardware; replace ceiling insulation; replace kitchen cabinets, stove, range hood, sink, plumbing fixtures, water shut-off valves, and lights; repair bath shower pan; replace water closets, lavatories, faucets, valves, and connectors; replace medicine cabinets, mirrors, lights and vanities; replace outlet with ground fault interrupter; replace shower curtain rod, accessories; repair forced air heating unit; replace thermostats; replace duplex outlet and switches; install ground fault interrupter in kitchen; replace electrical service panel and breakers; replace smoke detectors; replace interior lights. Concurrent improvement proposed in the amount of $651,300 are as follows: Regrade site; install gutters, downspouts, splash blocks, and water diverter; install patio cover; provide concrete walk between utility room and garage; extend patio (two units only); install screen doors; gutting of the kitchen/dining areas and a compete reconfiguration of this area; replace kitchen and utility room flooring; install bathroom exhaust fans.	35,384	1,556.9

1. COMPONENT	FY 19 90 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 Point Mugu Repairs to one installation commander quarters: Replace completely the deteriorated electrical wiring in this unit, constructed in 1958. Also proposed is routine maintenance and repair work including service calls, preventive maintenance, and change of occupancy work.	38,700	38.7
NAS Point Mugu Repairs to 284 units to include: Replace interior and exterior doors, hardware and trim; refinish/replace hardwood floors; replace stair treads; replace kitchen cabinets, counter tops, sinks, range hoods and plumbing fixtures; replace ceramic tile floors and wainscot in bathrooms. Replace bath accessories and plumbing fixtures; replace vanities and bath exhaust fans; replace lighting fixtures; receptacles and circuit breakers; replace thermostats; repair drywall/plaster walls; repair exterior wood siding and trim. Repair concrete block privacy wall; replace clothesline and exterior spigots. Replace sewer laterals. Repair sprinklers, landscaping, playgrounds and playground equipment.	21,330	6,057.8
PWC San Diego Repairs to one installation commander quarters: Repair by replacement of drainage system, existing windows, bathroom components, electrical wiring, heating system, and repair of exterior wood siding and trim. Also included is routine maintenance and repair work to include service calls and preventive maintenance. Concurrent improvements are also proposed, at a cost of $7,100 to include alterations to kitchen and bathrooms, and the provision of exterior lighting and additional kitchen cabinets.	84,700	84.7

1. COMPONENT	FY 1990 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		
CONNECTICUT		
NAVSUBASE New London Repairs to five units to include: Replace wood windows, baseboard heat elements, boiler, oil tank, bathroom fixtures, water heater, electric service entrance and panel board, wall switches, and range hood; Four units require extensive roof repairs. Site repairs includes resurfacing roads, replacing curbs, side walks and repairs to catch basins.	55,600	278.0
NAVSUBASE New London Repairs to 40 units to include: Replace asphalt paving, windows, fascia, soffets, roofing, exterior doors, interior door hardware, kitchen cabinets, counter tops, sinks, fintube baseboard heat convectors, boilers, water heater, oil tank, and bathroom fixtures; hanging doors and laundry chutes; repair concrete retaining walls, closet shelves. Concurrent improvements at a cost of $256,000 are also proposed to include the provision of bathroom exhaust fans and vents, tub enclosures, dishwashers, ducted range hoods, additional wall receptacles, electric wired smoke detectors, court yards, play areas, and landscaping.	30,148	1,205.9
NAVSUBASE New London Repairs to 70 units to include: Replace asphalt paving, reset granite curbing and replace catch basin inlets with larger size; replace roadway drainage, concrete steps, signs and posts, replace flat roofs with pitched roofs and fiberglass shingles including maintenance free trim; replace windows, and crawl space vents;	22,055	1,543.8

1. COMPONENT	FY 19 90 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		
NAVSUBASE New London (Continued) resurface walls and ceiling with new wallboard and vinyl base; replace shelves, exterior doors and frames, radiators with fintube convectors, bathtubs, lavatory, watercloset, and hose bibs. Concurrent improvements are proposed at a cost of $382,000 to include the provision of additional parking spaces, dishwashers, garage disposals, range hoods, additional electric receptacles, lights in closets and electric wired smoke detectors.		
ILLINOIS		
PWC Great Lakes Repairs to 262 units to include: Replace windows, heating, ventilation, and air conditioning system; repairs to concrete ceiling, exterior walls, kitchen and baths; repair by replacement of 82 garages and driveways. Concurrent improvements are proposed at a cost of $8,709,600 which include: Partition changes, new vestibules, kitchen alterations, insulation, patios, fences, drainage tile, electrical system upgrades, smoke detectors, relocating and metering of gas service, and the construction of 180 garages with driveways.	32,399	8,488.5
INDIANA		
NAVWPNSUPPCEN Crane Repairs to one installation commander quarters: Repairs by replacement of roof shingles, gutters and downspouts, storm doors, domestic water lines and waste line piping, and smoke detectors; and repairs to exterior foundation and drain system; service calls, routine maintenance, and minor repairs to include repairs and replacement of electrical outlets, damaged window awnings, exterior siding, soffets and trim.	27,700	27.7

1. COMPONENT	FY 19 90 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		
NAVWPNSUPPCEN Crane Repairs to 31 units to include: Replace windows and storm doors; replace light fixture and control switch in kitchen, bedrooms and exhaust fan; replace bath receptacles and circuits and smoke detectors; replace gutters, downspouts, and porch attic vents; and repair roads.	22,619	701.2
MAINE		
NSGA Winter Harbor Repairs to 32 units to include: Replace exterior siding, roofing, chimneys, gutters and downspouts, windows, attic louvers, exterior doors and storm doors, concrete stoops, first floor girders and building sill; repair fire walls, resilient tile flooring, stair rails, interior wood doors, laundry room door, kitchen cabinets, counter tops, toilet and bath accessories, boilers, water heaters, second floor bath, first floor half bath lavatory and exhaust fan, electrical light fixtures, electrical panel boards and site drainage.	64,585	2,066.7
NSGA Winter Harbor Repairs to 20 units to include: Replace walls, attic vents, kitchen cabinets, counter tops, flooring and sinks; first floor bath water closets, lavatory, second floor bath tub, tub enclosure, water closet, lavatory; electric service entrance cable; electric circuits and electric light fixtures.	18,655	373.1
MASSACHUSETTS		
NAS South Weymouth Repairs to 56 units to include: Replace drain piping in bathrooms, all exterior siding, trim, flashing, attic fire wall doors, insulation,	25,000	1,400.0

1. COMPONENT	FY 19 90 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 South Weymouth (Continued) boilers, pavement, sidewalks, perimeter fence, fire hydrants, sewage pumps and pump house; correct site drainage. Concurrent improvements are proposed at a cost of $163,000 to include the provision of ground fault interrupter electrical receptacles, dishwashers, bathroom vanities, entrance vestibules, light fixtures, dumpster enclosure, street and directional signs, and bus shelters.		
NAS South Weymouth Repairs to four units to include: Replace roofs, boiler piping and accessories, entrance concrete steps. Repair foundation walls; remove deteriorated asbestos storm piping insulation and other asbestos insulation and replace with nonasbestos insulation.	18,125	72.5
MISSISSIPPI		
NCBC Gulfport Repairs to six units to include: Replace existing jalousie type windows with double hung, double glazed, aluminum frame window; replace existing roofs with no insulation with built up roof with insulation; general repairs include replacing existing front wooden screen door with an aluminum frame storm door, replacing existing worn out 12" x 12" floor tile (installed in early 1950) with resilient vinyl floor covering, and replacing rotted ceiling.	16,634	99.8
NEW JERSEY		
NAEC Lakehurst Repairs to one installation command quarters: Replace deteriorated exterior doors and windows, repair and repoint exterior brick, replace kitchen cabinets. Also included is routine	79,400	79.4

1. COMPONENT	FY 19⁹⁰__ 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		
NAEC Lakehurst (Continued) maintenance and repair work including service calls and preventive maintenance. Concurrent improvements are also proposed at a cost of $4,000 to include the provision of a new oil fired furnace and additional electrical outlets.		
NAEC Lakehurst Repairs to 32 quarters to include: Replace deteriorated exterior brick. Replace roof on one unit. Extensive paint stripping and refinishing of interior and exterior wood trim and walls is required. Concurrent improvements are also proposed at a cost of $738,900 which includes extensive alterations, additions, and reconfiguration of rooms. Provide new oil fired furnaces, electrical outlets, circuit, closets, smoke detectors, additional landscaping and site lighting.	37,734	1,207.5
NEW YORK		
NAVSTA New York Repairs to ten units to include: Replace front and rear entrance and storm doors; heater and storage room doors; interior swing doors; closet door track and hardware; kitchen cabinets and countertops; medicine cabinets; windows; vinyl asbestos tile flooring; kitchen sinks; kitchen light fixtures; fuel oil tanks; underground electric system; tile roofing in officer quarters; boilers and stacks in three units, concrete walk in one unit. Concurrent improvements in the amount of $421,600 are also proposed to provide the following: Dishwashers, vinyl shutters in front and sides of building; ground fault interrupter receptacles; hard wired smoke detectors; setback thermostats; central air-conditioning, hot and cold water pipe	29,750	297.5

1. COMPONENT	FY 1990 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 New York (Continued) insulation; hot water heating system; underground fuel oil storage tanks in two units; shrubs, playground equipment; four foot high fence between playground and road; brick patios; and street lighting.		
NAVSTA New York Repairs to ten units to include: Replace front and rear entrance doors and frames; rear wood steps and platforms; stone sill; plaster walls and ceilings with gypsum board; windows; roofing; kitchen sink, cabinets, and flooring; bathroom fixtures, accessories, tile wainscot, and flooring; circuit breakers and fused disconnect switches in three units; asbestos pipe and tank insulation with fiberglass; concrete walks; concrete curb. Reset slate walk. Replace gutters and downspouts, hot and cold water lines with insulation, and interior electrical system. Waterproof basement walls and add foundation drains in one unit. Concurrent improvements of $381,900 also to provide the following: Ground fault interrupter receptacles is proposed in kitchen and bathrooms; dishwashers; hard wired smoke detectors; vinyl shutters at sides of building; multi-zoned heating controls, attic fans, and setback thermostats; central air-conditioning, and four foot high fence at side of one unit.	46,010	460.1
RHODE ISLAND NETC Newport Repairs to 110 units to include: Replace closet doors with sliding doors, interior doors, bath and lavatory accessories; refinish wood floors; replace windows, storage shed roofing and clapboard siding with vinyl siding; add insulation, paint building interiors and	27,700	3,046.9

1. COMPONENT	FY 1990 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 ($)	TOTAL ($000)
IN THE UNITED STATES		
NETC Newport (Continued) exteriors; replace sub-floor, kitchen cabinets sinks and counter tops; 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, fin radiation and covers; replace 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 one of three phases.		
VIRGINIA		
NAVPHIBASE Little Creek Repairs to four units to include: Repair damages caused by settlement. The concrete slab floor has been extensively damaged resulting in a condition whereby the unit is no longer habitable. Repair includes the removal/replacement of slab on grade; shingle roofing, gutters, interior walls, doors, floor tile, stairs, kitchen cabinets, heating, ventilation and air conditioning system, plumbing fixtures and piping, ductwork, electrical fixtures and wiring. Major replacements are located on first floor of unit in association with replacement of settlement damaged concrete slab.	68,300	273.2
NAVPHIBASE Little Creek Repairs to 40 units to include: Replace all windows, exterior doors, frames, and thresholds; replace failing steam heating with gas-fired furnaces and distribution lines. Remove steam pipes and asbestos pipe insulation. Replace existing aluminum siding with vinyl siding.	29,298	1,171.9

1. COMPONENT	FY 1990 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 Norfolk Repairs to one installation commander quarters: Replace roof, downspouts, and air conditioning; maintenance and repair of dwelling unit to include: service calls, routine maintenance, and minor repairs; and interior and exterior painting.	32,700	32.7
NAVHOSP Portsmouth Repairs to ten units to include: Replace worn resilient floors in kitchens and bathrooms, obsolete kitchen cabinets, damaged metal gutters, damaged dryer vent caps, obsolete light fixtures and bathroom electrical receptacles with ground fault interrupter receptacles. Also replace existing obsolete and inefficient hot water heating systems with ducted heat pump systems. In addition, the existing steam-generated domestic water heating system will be replaced with 52 gallon electric water heaters.	22,240	222.4
NAVHOSP Portsmouth Repairs to eight units and associated garages to include: Replace deteriorated metal roofs, gutters and flashing, worn or broken window sash ropes, obsolete or nonfunctional lighting fixtures, ungrounded electrical receptacles, inadequate electrical services, damaged plumbing fixtures, leaking plumbing fittings, inefficient steam heating systems (with heat pump systems), and replace water heater components. Also included is the repair/refinishing of both interior and exterior woodwork and the repair (by sandblasting) of exterior stucco finishes on three quarters. In addition, this project will repair damaged finishes, floors, doors, and other construction components in other interior locations. Repairs to quarters' garages include replacing corroded electrical systems and the replacement of deteriorated garage doors.	38,481	307.9

1. COMPONENT	FY 1990 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 ($)	TOTAL ($000)
IN THE UNITED STATES		
NSY Portsmouth Repairs to 125 units to include: Replace window air conditioning and gas fired boiler and radiator system with ducted central air conditioning with gas heat; replace piping; replace asbestos shingle siding with vinyl siding and trim; replace exterior doors and frames; replace metal access panels and vent louvers in the crawl spaces; paint non-vinyl exterior surfaces; install piers and sills under kitchen and hallway partitions; repair or replace interior doors and frames, hardware, baseboards and shoe molding; replace patched areas of hardwood floors; replace deteriorated bathroom floor tile and bedding; replace all light fixtures and cover plates; install additional attic insulation; paint interiors and refinish hardwood floors. Concurrent improvements in the amount of $1,639,500 are included to provide storage sheds, patios, service cables, bathroom exhaust fans, doorbells, fluorescent light fixtures in kitchen, privacy fences, storm drain piping, drainage swales, vinyl siding on storage sheds, security lighting and meter drops, and the replacement of gravel apron with bituminous concrete.	17,425	2,178.2
NAVWPNSTA Yorktown Repairs to one installation commander quarters: Replace exterior siding and fiberglass insulation system on exterior walls and prepare and paint surface not covered by new wall system. Includes concurrent routine maintenance, minor repairs and service calls.	27,300	27.3

1. COMPONENT	FY 19 90 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 Repairs to 100 units and detached carports to include: Replace interior and exterior doors, wood and vinyl flooring and cove base, bathroom accessories, range hoods, kitchen and bathroom exhaust fans, stair treads and risers, as well as repairs to front entries, carports, siding, privacy fences and exterior storage areas. Concurrent improvements are also proposed in the amount of $2,059,800 to install dishwashers, garbage disposals, combination storm/screen doors, and stall showers in master bathroom, carport lighting, energy efficient furnaces, installation of gutters and downspouts on carports and outside storage areas; installation of roof ridge vents, and hardwiring smoke detectors.	37,844	3,784.4
WEST VIRGINIA		
NAVRADSTA Sugar Grove Repairs to 40 units: Replace windows, vanities, lavatories and faucets, medicine cabinets, floor coverings, kitchen cabinets and counter tops, shingle roofs, tub enclosures, range hoods, and light fixtures.	15,910	636.3

1. COMPONENT	FY 19 90 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		
BERMUDA, WEST INDIES		
NAS Bermuda Repairs to six units to include: Repair roofs and apply new roof coating, completely rewire electrical systems, replace water and waste lines. Four of the units were constructed prior to 1900.	133,500	801.0
CUBA		
NAVSTA Guantanamo Bay Repairs to one installation commander quarters: Repair by replacement of roofing, windows and doors, exterior siding, flooring, ceramic tile in baths, bathroom fixtures, kitchen cabinets, and lighting fixtures. Also included is routine maintenance and repair work including service calls and preventive maintenance. Concurrent improvements at a cost of $7,400 to include installation of exhaust fans, garbage disposal, dishwasher, venetian blinds, and an individual electric meter are proposed.	104,000	104.0
JAPAN		
PWC Yokosuka Repairs to one installation commander quarters: Repair by replacement of deteriorated exterior wood sheathing and 48 year old steam heating system.	87,000	87.0
MARIANAS ISLANDS		
PWC Guam Repairs to one installation commander quarters: Replace deteriorated and leaking hot and cold water lines, interior doors, electrical system, and interior and exterior light fixtures. Also included is routine maintenance and repair work to include service calls and preventive maintenance.	29,000	29.0

1. COMPONENT	FY 19 90 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 ($)	TOTAL ($000)

OUTSIDE THE UNITED STATES

PWC GUAM (Continued)
Concurrent improvements at a cost of $39,000 to include the provision of wall installation, solar film on windows, fluorescent lights, covered patio, privacy screening, and interior alterations are proposed.

1. COMPONENT	FY 19 90 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		
NORTH CAROLINA		
MCAS Cherry Point	10,283	3,981.0
Repairs to 214 family housing units. This project will make repairs to interior electrical, mechanical and architectural systems. Repairs include repair/replacement of plumbing systems, fixtures and ancillary items; electrical systems, walls, floors, ceiling, windows, doors and trim, baseboards, kitchen cabinets, floor tiles, countertops; and provides for new wall and ceiling insulation.		

Family Housing, Navy and Marine Corps
LEASING

(In Thousands)
FY 1990 Program $41,488.0
FY 1989 Program $37,963.0

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 1990 follows:

	FY 88		FY 89		FY 90	
	Yr End Units	Cost ($000)	Authorization Units	Cost ($000)	Authorization Units	Cost ($000)
Domestic:						
Navy	1,324	9,551.0	4,000	12,981.0	4,000	14,676.0
Marine Corps	0	0	200	1,000.0	200	1,000.0
Foreign:	1,784	22,220.0	1,992	23,982.0	1,992	25,812.0
Total:	3,108	31,771.0	6,192	37,963.0	6,192	41,488.0

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) authorized the Department of Defense to enter into agreements for the leasing of Military Family Housing units on or near military installations within the United States. This authorization was considered a test intended to expire upon execution of contracts no later than tober 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 Earle, NJ (300 units), Norfolk, VA (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 1988 - The domestic leasing program consists of 1,324 units requiring funding of $9,551.0. Funding in the amount of $3,086.0 requested to provide for phased occupancy of the Section 801 leasing projects at Mayport, Norfolk and Earle. The remaining $6,465.0 was to support the domestic leasing programs in New York and San Francisco.

FY 1989 - The domestic leasing program consists of 1,290 units requiring funding of $13,981.0. Funding requested will provide for full funding required in the domestic leasing programs at Norfolk and partial funding for Mayport, Earle, Staten Island, San Francisco and Twentynine Palms.

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.

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 1988 unit authorization consists of 1,992 units of which 1,784 require funding for the entire fiscal year. The 208 unit authorization difference is required to support 105 leases at Sigonella, 44 additional leases in Holy Loch, 25 in Rota, 32 in La Maddalena and 2 others at various locations.

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.

FAMILY HOUSING, DEPARTMENT OF THE NAVY

ANALYSIS OF LEASED UNITS

(Other than Section 801 and Section 802 Units)

FY 19 90

LOCATION	FY (PY) 1988			FY (CY) 1989			FY (BY) 1990		
	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	400	4,800	3,849.6	310	3,720	3,059.8			
San Francisco	274	3,288	2,615.4	280	3,360	2,643.7			
TOTAL DOMESTIC LEASES	674	8,088	6,465.0	590	7,080	5,703.5			
FOREIGN LEASES *(List each location)*									
(a) Hong Kong, B.C.	7	84	194.0	7	84	212.0	7	84	208.6
(a) Manila	54	542	631.0	54	612	690.0	54	612	721.8
(c) Djakarta	7	84	214.0	10	84	410.6	10	108	393.4
(c) Bangkok	7	84	195.0	7	84	213.2	7	60	172.2
(a) Bahrain	1	12	50.0	1	12	46.6	1	12	49.0
(c) New Delhi	1	12	40.0	1	12	35.0	1	12	45.0
(c) Tokyo	1	12	30.0	0	0	0	0	0	0
(a) Lisbon	1	12	46.2	1	12	48.0	1	12	49.7
(a) Greece	3	36	46.4	3	36	55.6	3	36	58.7
(a)(b) La Maddalena	162	1,944	2,218.2	194	1,944	2,225.0	194	2,136	2,845.2
TOTAL FOREIGN LEASES									
GRAND TOTAL									

(Continued)

FAMILY HOUSING, DEPARTMENT OF THE NAVY

ANALYSIS OF LEASED UNITS

(Other than Section 801 and Section 802 Units)

FY 19 90

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	6,057.3	508	6,096	6,070.8	508	6,096	6,196.9
(a)(b) Sigonella	404	4,848	6,669.9	509	4,944	7,314.2	509	5,235	8,065.1
(a)(b) London	84	1,008	1,033.2	84	1,008	1,092.7	84	1,008	1,133.5
(a)(b) Holy Loch	392	4,704	3,360.8	436	5,232	4,241.8	436	5,232	4,287.5
(b) Thurso	50	600	473.3	50	600	404.9	50	600	509.3
(b) Edzell	102	1,224	960.7	102	1,224	831.6	102	1,224	865.1
(a) Rota	0	0	0	25	0	0	25	300	211.0
TOTAL FOREIGN LEASES	1,784	21,302	22,220.0	1,992	21,984	23,982.0	1,992	22,767	25,812.0
GRAND TOTAL	2,458	29,390	28,685.0	2,582	29,064	29,685.5	1,992	22,767	25,812.0

(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 90

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	100	303.0	300	3,232.0
Norfolk, VA	300	1984	2/86	12/87	4,001.4	300	4,001.4	300	3,992.0
Mayport, FL	200	1986	9/86	10/88	1,527.0	200	1,483.0	200	1,527.0
Fallon, NV	180	1986	3/89	3/91	1,354.1	0	0	0	0
Staten Island, N.Y.	1,000	1987	1/89	1/91	17,000.0	0	0	500	2,125.0
San Francisco, CA	500	1988	8/89	8/91	5,445.0	0	0	0	0
San Diego, CA	300	1988	5/89	5/91	2,995.6	0	0	0	0
Long Beach, CA	300	1988	5/89	5/91	2,289.6	0	0	0	0
Port Hueneme/ Point Mugu, CA	300	1988	5/89	5/91	2,757.6	0	0	0	0
Washington D.C.	300	1988	10/89	10/91	3,000.0	0	0	0	0
Cecil Field, FL	300	1988	10/89	10/91	2,350.0	0	0	0	0
PLANNING/DESIGN							1,490.1		3,800.0
MARINE CORPS									
29 Palms	200	1986	9/86	10/91	1,547.0	100	1,000.0	100	1,000.0
TOTAL	4,180	N/A	N/A	N/A	47,903.3	700	8,277.5	1,400.0	15,676.0

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FY 1990
FAMILY HOUSING, NAVY
DEBT PAYMENT

	(In thousands)
FY 1990 Program	$ 208
FY 1989 Program	$ 348

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 $208,000. No reimbursements will be used to finance the FY 1990 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)		
	1988 Actual	1989 Estimates	1990 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	345,205	346,773	346,901
Wherry	157,925	158,158	158,158
TOTAL	503,130	504,931	505,059
Debt Retired During Year:			
Capehart	1,568	128	-0-
Wherry	233	-0-	-0-
TOTAL	1,801	128	-0-
Unliquidated Debt, End of Year:			
Capehart	128	-0-	-0-
Wherry	-0-	-0-	-0-
TOTAL	128	-0-	-0-

FY 1990
FAMILY HOUSING, NAVY
DEBT PAYMENT
($000)

TOA	FY 1989	FY 1990
Interest		
Capehart and Wherry	2	-0-
Mortgage Insurance Premiums		
Servicemember's		
Navy	198	197
Marine Corps	20	11
Total Obligating Authority	220	208
Budget Authority:	220	208
Appropriation	348	208
Portion Applied to Debt Reduction	128	-0-
Appropriation (adjusted)	220	208