DEPARTMENT OF THE NAVY

FY 2001

BUDGET ESTIMATES

MILITARY CONSTRUCTION AND

FAMILY HOUSING PROGRAMS

JUSTIFICATION DATA

Submitted to Congress

February 2000

Department of the Navy
FY 2001 Military Construction and Family Housing Program
Summary of Locations

State/Country		Auth. Request	Appr. Request
Inside The United States		**($000)**	**($000)**
ARIZONA		11,140	11,140
CALIFORNIA		155,501	150,801
CONNECTICUT		3,100	3,100
DIST OF COLUMBIA		32,037	19,647
FLORIDA		8,700	8,700
GEORGIA		6,300	6,300
HAWAII		145,231	180,831
ILLINOIS		121,400	121,400
MAINE		21,172	21,172
MARYLAND		6,430	6,430
MISSISSIPPI		4,700	4,700
NEW JERSEY		2,420	2,420
NORTH CAROLINA		65,290	61,290
RHODE ISLAND		4,150	4,150
SOUTH CAROLINA		5,800	5,800
TEXAS		2,670	0
VIRGINIA		83,520	83,520
WASHINGTON		96,733	72,273
	Subtotal	**776,294**	**763,674**
Outside The United States			
ITALY		47,969	47,029
SOUTH WEST ASIA		19,400	19,400
	Subtotal	**67,369**	**66,429**
Various Locations			
Various Locations		11,642	11,642
Various Locations		83,293	83,293
Various Locations		191,206	191,206
	Subtotal	**286,141**	**286,141**
	Total - FY 2001 Military Construction & Family Housing Program	**1,129,804**	**1,116,244**
	Less Family Housing	**362,822**	**362,822**
	Total - FY 2001 Military Construction Program	**766,982**	**753,422**

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State/Country	Proj No.	Location	Auth. Request ($000)	Appr. Request ($000)	% Design As Of Jan 00	Page No.
		Inside The United States				
ARIZONA						
		NAVY DETACHMENT				
		CAMP NAVAJO, ARIZONA				
	114	MAGAZINE MODERNIZATION	2,940	2,940	65	2
		Subtotal	2,940	2,940		
		MARINE CORPS AIR STATION				
		YUMA, ARIZONA				
	482	COMBAT AIRCRAFT LOADING APRON (CALA)	8,200	8,200	65	6
		Subtotal	8,200	8,200		
		Total - ARIZONA	**11,140**	**11,140**		
CALIFORNIA						
		MARINE CORPS BASE				
		CAMP PENDLETON CALIFORNIA				
	633	INFANTRY SQUAD BATTLE COURSE	4,000	4,000	65	12
	634	ARMOR/ANTI-ARMOR TRACKING RANGE	4,100	4,100	65	16
		Subtotal	8,100	8,100		
		NAVAL AIR STATION				
		LEMOORE CALIFORNIA				
	201	BACHELOR ENLISTED QUARTERS	8,260	8,260	45	21
	H-594	160 Replacement Homes	27,768	27,768	N/A	
		Subtotal	36,028	36,028		
		MARINE CORPS AIR STATION				
		MIRAMAR, CALIFORNIA				
	050	GROUND COMBAT TRAINING RANGE	7,350	7,350	60	25
		Subtotal	7,350	7,350		
		NAVAL AVIATION DEPOT				
		NORTH ISLAND, CALIFORNIA				
	728	COMPONENT REPAIR CLEAN ROOM FACILITY	4,340	4,340	5	30
		Subtotal	4,340	4,340		
		NAVAL AIR STATION				
		NORTH ISLAND, SAN DIEGO, CA				
	577	AIRCRAFT OPERATIONS BLDG (SAN CLEMENTE)	8,860	8,860	5	35
	700B	BERTHING WHARF (INCREMENT II)	0	12,800	100	39
		Subtotal	8,860	21,660		
		NAVAL AIR WARFARE CENTER, WEAPONS DIV				
		POINT MUGU, CALIFORNIA				
	031	RANGE OPERATIONS CENTER ADDITION/ALTS	11,400	11,400	65	44
		Subtotal	11,400	11,400		
		PT HUENEME DIV, NAV SURFACE WARFARE CTR				
		PORT HUENEME, CALIFORNIA				
	016	WEAPON/COMBAT SYSTEMS INTEGRATION LAB	10,200	10,200	65	48
		Subtotal	10,200	10,200		

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State/Country	Proj No.	Location	Auth. Request ($000)	Appr. Request ($000)	% Design As Of Jan 00	Page No.
		NAVAL STATION				
		SAN DIEGO, CALIFORNIA				
	326	BERTHING PIER (INCREMENT I)	53,200	35,700	25	53
		Subtotal	53,200	35,700		
		MARINE CORP AIR-GROUND COMBAT CTR				
		TWENTYNINE PALMS, CALIFORNIA				
	542	URBAN ASSAULT COURSE	2,100	2,100	65	59
	H-370	79 Replacement Homes	13,923	13,923	N/A	
		Subtotal	16,023	16,023		
		Total - CALIFORNIA	**155,501**	**150,801**		
CONNECTICUT						
		NAVAL SUBMARINE BASE				
		NEW LONDON, CONNECTICUT				
	429	DRYDOCK SUPPORT FACILITY	3,100	3,100	60	64
		Subtotal	3,100	3,100		
		Total - CONNECTICUT	**3,100**	**3,100**		
DIST OF COLUMBIA						
		COMMANDANT NAVAL DISTRICT WASHINGTON				
		WASHINGTON, D. C.				
	339	NAVY MUSEUM ANNEX	2,450	2,450	75	69
		Subtotal	2,450	2,450		
		WASHINGTON MARINE BARRACKS, 8TH & I ST				
		WASHINGTON, DC				
	990	BACHELOR ENLISTED QUARTERS	17,197	17,197	15	73
		Subtotal	17,197	17,197		
		NAVAL RESEARCH LABORATORY,				
		WASHINGTON, DISTRICT OF COLUMBIA				
	050	NANO-SCIENCE RESEARCH LABORATORY	12,390	0	60	80
		Subtotal	12,390	0		
		Total - DIST OF COLUMBIA	**32,037**	**19,647**		
FLORIDA						
		NAVAL SURFACE WARFARE CENTER DETACHMENT				
		FORT LAUDERDALE, FLORIDA				
	893	SEAWALL AND SHIP BERTHING FACILITY	3,570	3,570	20	86
		Subtotal	3,570	3,570		
		NAVAL AIR STATION				
		WHITING FIELD, FLORIDA				
	232	JPATS T-6A OPERATIONS/ MAINTENANCE FAC	1,230	1,230	20	92
	240	JPATS T-6A GSE SUPPORT/ PAINT FACILITY	3,900	3,900	20	95
		Subtotal	5,130	5,130		
		Total - FLORIDA	**8,700**	**8,700**		

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State/Country	Proj No.	Location	Auth. Request ($000)	Appr. Request ($000)	% Design As Of Jan 00	Page No.
GEORGIA						
		MARINE CORPS LOGISTICS BASE				
		ALBANY, GEORGIA				
	920	RENOVATE VEHICLE STORAGE FACILITY	1,100	1,100	20	100
		Subtotal	1,100	1,100		
		TRIDENT REFIT FACILITY				
		KINGS BAY, GEORGIA				
	568	CONSOLIDATED SANDBLAST/PAINT FACILITY	5,200	5,200	20	104
		Subtotal	5,200	5,200		
		Total - GEORGIA	**6,300**	**6,300**		
HAWAII						
		COMMANDER IN CHIEF, PACIFIC				
		CAMP H.M. SMITH, HAWAII				
	112A	CINCPAC HEADQUARTERS (INCREMENT II)	0	35,600	100	109
		Subtotal	0	35,600		
		MARINE CORPS BASE				
		KANEOHE BAY, HAWAII				
	741	BACHELOR ENLISTED QUARTERS	18,400	18,400	30	115
	H-570	84 Replacement Homes	21,910	21,910	N/A	
		Subtotal	40,310	40,310		
		NAVAL UNDERSEA WARFARE DETACHMENT				
		LUALUALEI, HAWAII				
	313	CONSOLIDATED FLEET TEST SUPPORT FACILITY	2,100	2,100	95	120
		Subtotal	2,100	2,100		
		FLEET INDUSTRIAL SUPPLY CENTER				
		PEARL HARBOR, HAWAII				
	138	WHARF UPGRADE	12,000	12,000	65	124
		Subtotal	12,000	12,000		
		NAVAL STATION				
		PEARL HARBOR, HAWAII				
	533	RELOCATE SEAL DELIVERY VEHICLE TEAM	14,200	14,200	60	130
	593	BACHELOR ENLISTED QUARTERS	16,500	16,500	30	133
	H-381	98 Replacement Homes (Hale Moku)	22,230	22,230	N/A	
	H-591	112 Replacement Homes (Radford Terrace)	23,654	23,654	N/A	
	H-597	62 Replacement Homes (Pearl City)	14,237	14,237	N/A	
		Subtotal	90,821	90,821		
		Total - HAWAII	**145,231**	**180,831**		
ILLINOIS						
		NAVAL TRAINING CENTER				
		GREAT LAKES, ILLINOIS				
	640	RECRUIT TRAINING DRILL HALL	11,700	11,700	20	139
	710	PHYSICAL TRAINING FACILITY	35,000	35,000	20	142
	730	RECRUIT BARRACKS	37,000	37,000	20	145
	731	RECRUIT BARRACKS	37,700	37,700	20	148
		Subtotal	121,400	121,400		
		Total - ILLINOIS	**121,400**	**121,400**		

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MAINE						
		NAVAL AIR STATION BRUNSWICK				
		BRUNSWICK ME				
	115	AIRCRAFT DE-ICE/RINSE FACILITY	2,450	2,450	60	152
	H-535	168 (16 new/152 replacement) Homes	18,722	18,722	N/A	
		Subtotal	21,172	21,172		
		Total - MAINE	**21,172**	**21,172**		
MARYLAND						
		NAV EXPLOSIVE ORDNANCE DISPOSAL TECH DIV				
		INDIAN HEAD, MARYLAND				
	110	JOINT SERVICE, EOD EQUIPMENT SUPPORT FAC	6,430	6,430	35	156
		Subtotal	6,430	6,430		
		Total - MARYLAND	**6,430**	**6,430**		
MISSISSIPPI						
		NAVAL AIR STATION				
		MERIDIAN MISSISSIPPI				
	289	T-45 AIRCRAFT SUPPORT FACILITIES	4,700	4,700	35	160
		Subtotal	4,700	4,700		
		Total - MISSISSIPPI	**4,700**	**4,700**		
NEW JERSEY						
		NAVAL WEAPONS STATION				
		EARLE, NEW JERSEY				
	999	RECREATION CENTER	2,420	2,420	50	165
		Subtotal	2,420	2,420		
		Total - NEW JERSEY	**2,420**	**2,420**		
NORTH CAROLINA						
		MARINE CORPS BASE				
		CAMP LEJEUNE, NORTH CAROLINA				
	019	AMPHIBIOUS OPS/MAINT/STORAGE COMPLEX	9,500	9,500	35	170
	118	OPERATIONS/ MAINTENANCE/STORAGE FACILITY	3,650	3,650	35	174
	124	CHILD DEVELOPMENT CENTER	4,420	4,420	20	178
	150	ARMORIES	14,000	10,000	50	186
	159A	BACHELOR ENLISTED QUARTERS (COURTHOUSE)	14,300	14,300	60	182
		Subtotal	45,870	41,870		
		MARINE CORPS AIR STATION				
		CHERRY POINT, NORTH CAROLINA				
	568	AIRCRAFT HANGAR IMPROVEMENTS	8,480	8,480	35	191
		Subtotal	8,480	8,480		
		NAVAL AVIATION DEPOT				
		CHERRY POINT, NORTH CAROLINA				
	979	AIRCRAFT STRIPPING FACILITY ADDITION	7,540	7,540	15	196
		Subtotal	7,540	7,540		

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		MARINE CORPS AIR STATION				
		NEW RIVER, NORTH CAROLINA				
	528	AIRCRAFT RINSE FACILITY	800	800	50	201
	629	AIR TRAFFIC CONTROL TOWER	2,600	2,600	15	204
		Subtotal	3,400	3,400		
		Total - NORTH CAROLINA	**65,290**	**61,290**		
RHODE ISLAND						
		NEWPORT DIV, NAVAL UNDERSEA WARFARE CTR				
		NEWPORT, RHODE ISLAND				
	077	SHORE BASED LAUNCH FACILITY	4,150	4,150	75	210
		Subtotal	4,150	4,150		
		Total - RHODE ISLAND	**4,150**	**4,150**		
SOUTH CAROLINA						
		MARINE CORPS AIR STATION				
		BEAUFORT, SOUTH CAROLINA				
	401	FLIGHTLINE FIRE SAFETY IMPROVEMENTS	3,140	3,140	20	216
		Subtotal	3,140	3,140		
		MARINE CORPS RECRUIT DEPOT				
		PARRIS ISLAND, SOUTH CAROLINA				
	327	FIELD TRAINING COMPLEX	2,660	2,660	20	222
		Subtotal	2,660	2,660		
		Total - SOUTH CAROLINA	**5,800**	**5,800**		
TEXAS						
		NAVAL AIR STATION				
		KINGSVILLE, TEXAS				
	238	AIRCRAFT PARKING APRON	2,670	0	20	227
		Subtotal	2,670	0		
		Total - TEXAS	**2,670**	**0**		
VIRGINIA						
		DAHLGREN DIV, NAVAL SURFACE WARFARE CTR				
		DAHLGREN VIRGINIA				
	285	INNOVATION TECHNOLOGY AND INFRASTRUCTURE	11,300	11,300	55	232
		Subtotal	11,300	11,300		
		NAVAL AMPHIBIOUS BASE				
		LITTLE CREEK, VIRGINIA				
	371	WATERFRONT OPERATIONS BUILDING	2,830	2,830	15	237
		Subtotal	2,830	2,830		
		NAVAL AIR STATION				
		NORFOLK, VIRGINIA				
	113	TAXIWAY EXTENSION AND LIGHTS	6,350	6,350	35	243
	522	AIRCRAFT MAINTENANCE HANGAR	11,800	11,800	35	247
	524	AIRCRAFT MAINTENANCE HANGAR	13,300	13,300	30	251
		Subtotal	31,450	31,450		

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ITALY						
		NAVAL SUPPORT ACTIVITY				
		NAPLES, ITALY				
	201	BACHELOR ENLISTED QUARTERS	15,000	15,000	35	299
		Subtotal	15,000	15,000		
		NAVAL AIR STATION				
		SIGONELLA, ITALY				
	620	COMMUNITY FACILITIES	32,969	32,029	95	305
		Subtotal	32,969	32,029		
		Total - ITALY	**47,969**	**47,029**		
SOUTH WEST ASIA						
		NAVAL ADMIN SUPPORT UNIT				
		SOUTHWEST ASIA				
	904	OPERATIONS CENTER	19,400	19,400	60	311
		Subtotal	19,400	19,400		
		Total - SOUTH WEST ASIA	**19,400**	**19,400**		
		Total - Outside The United States	**67,369**	**66,429**		
		Various Locations				
	201	HOST NATION INFRASTRUCTURE	142	142	100	315
	608	BACHELOR ENLISTED QUARTERS & DINING FAC	11,500	11,500	30	319
	201	PLANNING AND DESIGN	63,335	63,335	0	323
	H-201	Planning and Design (Family Housing)	19,958	19,958	N/A	
	201	UNSPECIFIED MINOR CONSTRUCTION	7,659	7,659	0	325
	H-201	Construction Improvements (Family Housing)	183,547	183,547	N/A	
		Total - Various Locations	**286,141**	**286,141**		
		Total - FY 2001 Military Construction Program	**766,982**	**753,422**		
		Total - FY 2001 Military Construction Family Housing Program	**362,822**	**362,822**		
		Grand Total	**1,129,804**	**1,116,244**		

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		Inside The United States				
ARIZONA						
		NAVY DETACHMENT				
		CAMP NAVAJO, ARIZONA				
	114	MAGAZINE MODERNIZATION	2,940	2,940	65	2
		Subtotal	2,940	2,940		
		Total - ARIZONA	**2,940**	**2,940**		
CALIFORNIA						
		NAVAL AIR STATION				
		LEMOORE CALIFORNIA				
	201	BACHELOR ENLISTED QUARTERS	8,260	8,260	45	21
	H-594	160 Replacement Homes	27,768	27,768	N/A	
		Subtotal	36,028	36,028		
		NAVAL AVIATION DEPOT				
		NORTH ISLAND, CALIFORNIA				
	728	COMPONENT REPAIR CLEAN ROOM FACILITY	4,340	4,340	5	30
		Subtotal	4,340	4,340		
		NAVAL AIR STATION				
		NORTH ISLAND, SAN DIEGO, CA				
	577	AIRCRAFT OPERATIONS BLDG (SAN CLEMENTE)	8,860	8,860	5	35
	700B	BERTHING WHARF (INCREMENT II)	0	12,800	100	39
		Subtotal	8,860	21,660		
		NAVAL AIR WARFARE CENTER, WEAPONS DIV				
		POINT MUGU, CALIFORNIA				
	031	RANGE OPERATIONS CENTER ADDITION/ALTS	11,400	11,400	65	44
		Subtotal	11,400	11,400		
		PT HUENEME DIV, NAV SURFACE WARFARE CTR				
		PORT HUENEME, CALIFORNIA				
	016	WEAPON/COMBAT SYSTEMS INTEGRATION LAB	10,200	10,200	65	48
		Subtotal	10,200	10,200		
		NAVAL STATION				
		SAN DIEGO, CALIFORNIA				
	326	BERTHING PIER (INCREMENT I)	53,200	35,700	25	53
		Subtotal	53,200	35,700		
		Total - CALIFORNIA	**124,028**	**119,328**		
CONNECTICUT						
		NAVAL SUBMARINE BASE				
		NEW LONDON, CONNECTICUT				
	429	DRYDOCK SUPPORT FACILITY	3,100	3,100	60	64
		Subtotal	3,100	3,100		
		Total - CONNECTICUT	**3,100**	**3,100**		

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DIST OF COLUMBIA						
		COMMANDANT NAVAL DISTRICT WASHINGTON				
		WASHINGTON, D. C.				
	339	NAVY MUSEUM ANNEX	2,450	2,450	75	69
		Subtotal	2,450	2,450		
		NAVAL RESEARCH LABORATORY,				
		WASHINGTON, DISTRICT OF COLUMBIA				
	050	NANO-SCIENCE RESEARCH LABORATORY	12,390	0	60	80
		Subtotal	12,390	0		
		Total - DIST OF COLUMBIA	**14,840**	**2,450**		
FLORIDA						
		NAVAL SURFACE WARFARE CENTER DETACHMENT				
		FORT LAUDERDALE, FLORIDA				
	893	SEAWALL AND SHIP BERTHING FACILITY	3,570	3,570	20	86
		Subtotal	3,570	3,570		
		NAVAL AIR STATION				
		WHITING FIELD, FLORIDA				
	232	JPATS T-6A OPERATIONS/ MAINTENANCE FAC	1,230	1,230	20	92
	240	JPATS T-6A GSE SUPPORT/ PAINT FACILITY	3,900	3,900	20	95
		Subtotal	5,130	5,130		
		Total - FLORIDA	**8,700**	**8,700**		
GEORGIA						
		TRIDENT REFIT FACILITY				
		KINGS BAY, GEORGIA				
	568	CONSOLIDATED SANDBLAST/PAINT FACILITY	5,200	5,200	20	104
		Subtotal	5,200	5,200		
		Total - GEORGIA	**5,200**	**5,200**		
HAWAII						
		COMMANDER IN CHIEF, PACIFIC				
		CAMP H.M. SMITH, HAWAII				
	112A	CINCPAC HEADQUARTERS (INCREMENT II)	0	35,600	100	109
		Subtotal	0	35,600		
		NAVAL UNDERSEA WARFARE DETACHMENT				
		LUALUALEI, HAWAII				
	313	CONSOLIDATED FLEET TEST SUPPORT FACILITY	2,100	2,100	95	120
		Subtotal	2,100	2,100		
		FLEET INDUSTRIAL SUPPLY CENTER				
		PEARL HARBOR, HAWAII				
	138	WHARF UPGRADE	12,000	12,000	65	124
		Subtotal	12,000	12,000		
		NAVAL STATION				
		PEARL HARBOR, HAWAII				
	533	RELOCATE SEAL DELIVERY VEHICLE TEAM	14,200	14,200	60	130
	593	BACHELOR ENLISTED QUARTERS	16,500	16,500	30	133

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	H-381	98 Replacement Homes (Hale Moku)	22,230	22,230	N/A	
	H-591	112 Replacement Homes (Radford Terrace)	23,654	23,654	N/A	
	H-597	62 Replacement Homes (Pearl City)	14,237	14,237	N/A	
		Subtotal	90,821	90,821		
		Total - HAWAII	**104,921**	**140,521**		
ILLINOIS						
		NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS				
	640	RECRUIT TRAINING DRILL HALL	11,700	11,700	20	139
	710	PHYSICAL TRAINING FACILITY	35,000	35,000	20	142
	730	RECRUIT BARRACKS	37,000	37,000	20	145
	731	RECRUIT BARRACKS	37,700	37,700	20	148
		Subtotal	121,400	121,400		
		Total - ILLINOIS	**121,400**	**121,400**		
MAINE						
		NAVAL AIR STATION BRUNSWICK BRUNSWICK ME				
	115	AIRCRAFT DE-ICE/RINSE FACILITY	2,450	2,450	60	152
	H-535	168 (16 new/152 replacement) Homes	18,722	18,722	N/A	
		Subtotal	21,172	21,172		
		Total - MAINE	**21,172**	**21,172**		
MARYLAND						
		NAV EXPLOSIVE ORDNANCE DISPOSAL TECH DIV INDIAN HEAD, MARYLAND				
	110	JOINT SERVICE, EOD EQUIPMENT SUPPORT FAC	6,430	6,430	35	156
		Subtotal	6,430	6,430		
		Total - MARYLAND	**6,430**	**6,430**		
MISSISSIPPI						
		NAVAL AIR STATION MERIDIAN MISSISSIPPI				
	289	T-45 AIRCRAFT SUPPORT FACILITIES	4,700	4,700	35	160
		Subtotal	4,700	4,700		
		Total - MISSISSIPPI	**4,700**	**4,700**		
NEW JERSEY						
		NAVAL WEAPONS STATION EARLE, NEW JERSEY				
	999	RECREATION CENTER	2,420	2,420	50	165
		Subtotal	2,420	2,420		
		Total - NEW JERSEY	**2,420**	**2,420**		

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NORTH CAROLINA						
		NAVAL AVIATION DEPOT				
		CHERRY POINT, NORTH CAROLINA				
	979	AIRCRAFT STRIPPING FACILITY ADDITION	7,540	7,540	15	196
		Subtotal	7,540	7,540		
		Total - NORTH CAROLINA	**7,540**	**7,540**		
RHODE ISLAND						
		NEWPORT DIV, NAVAL UNDERSEA WARFARE CTR				
		NEWPORT, RHODE ISLAND				
	077	SHORE BASED LAUNCH FACILITY	4,150	4,150	75	210
		Subtotal	4,150	4,150		
		Total - RHODE ISLAND	**4,150**	**4,150**		
TEXAS						
		NAVAL AIR STATION				
		KINGSVILLE, TEXAS				
	238	AIRCRAFT PARKING APRON	2,670	0	20	227
		Subtotal	2,670	0		
		Total - TEXAS	**2,670**	**0**		
VIRGINIA						
		DAHLGREN DIV, NAVAL SURFACE WARFARE CTR				
		DAHLGREN VIRGINIA				
	285	INNOVATION TECHNOLOGY AND INFRASTRUCTURE	11,300	11,300	55	232
		Subtotal	11,300	11,300		
		NAVAL AMPHIBIOUS BASE				
		LITTLE CREEK, VIRGINIA				
	371	WATERFRONT OPERATIONS BUILDING	2,830	2,830	15	237
		Subtotal	2,830	2,830		
		NAVAL AIR STATION				
		NORFOLK, VIRGINIA				
	113	TAXIWAY EXTENSION AND LIGHTS	6,350	6,350	35	243
	522	AIRCRAFT MAINTENANCE HANGAR	11,800	11,800	35	247
	524	AIRCRAFT MAINTENANCE HANGAR	13,300	13,300	30	251
		Subtotal	31,450	31,450		
		NAVAL STATION				
		NORFOLK, VIRGINIA				
	099A	PIER ENHANCEMENTS	4,700	4,700	100	257
		Subtotal	4,700	4,700		
		NAVAL AIR STATION				
		OCEANA, VIRGINIA				
	758	AIRFIELD IMPROVEMENTS	5,250	5,250	35	261
		Subtotal	5,250	5,250		

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State/Country	Proj No.	Location	Auth. Request ($000)	Appr. Request ($000)	% Design As Of Jan 00	Page No.
		NORFOLK NAVAL SHIPYARD				
		PORTSMOUTH, VIRGINIA				
	504	BACHELOR ENLISTED QUARTERS	16,100	16,100	35	265
		Subtotal	16,100	16,100		
		AEGIS COMBAT SYSTEMS CENTER				
		WALLOPS ISLAND, VIRGINIA				
	002	SPY-1D TEST AND EVALUATION FAC ADDITION	3,300	3,300	15	276
		Subtotal	3,300	3,300		
		Total - VIRGINIA	**74,930**	**74,930**		
WASHINGTON						
		STRATEGIC WEAPONS FACILITY PAC				
		BREMERTON, WASHINGTON				
	945	EXPLOSIVES HANDLING WHARF MODIFICATIONS	1,400	1,400	35	294
		Subtotal	1,400	1,400		
		PUGET SOUND NAVAL SHIPYARD				
		BREMERTON, WASHINGTON				
	341	PIER REPLACEMENT (INCREMENT I)	62,460	38,000	35	281
	343	OILY WASTEWATER COLLECTION	6,600	6,600	30	285
	416	CHEMICAL METALLURGICAL LABORATORY	9,400	9,400	30	289
		Subtotal	78,460	54,000		
		NAVAL AIR STATION				
		WHIDBEY ISLAND				
	H-424	98 (2 new/96 replacement) Homes	16,873	16,873	N/A	
		Subtotal	16,873	16,873		
		Total - WASHINGTON	**96,733**	**72,273**		
		Total - Inside The United States	**605,874**	**597,254**		
		Outside The United States				
ITALY						
		NAVAL SUPPORT ACTIVITY				
		NAPLES, ITALY				
	201	BACHELOR ENLISTED QUARTERS	15,000	15,000	35	299
		Subtotal	15,000	15,000		
		NAVAL AIR STATION				
		SIGONELLA, ITALY				
	620	COMMUNITY FACILITIES	32,969	32,029	95	305
		Subtotal	32,969	32,029		
		Total - ITALY	**47,969**	**47,029**		
SOUTH WEST ASIA						
		NAVAL ADMIN SUPPORT UNIT				
		SOUTHWEST ASIA				
	904	OPERATIONS CENTER	19,400	19,400	60	311
		Subtotal	19,400	19,400		
		Total - SOUTH WEST ASIA	**19,400**	**19,400**		
		Total - Outside The United States	**67,369**	**66,429**		

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State/Country	Proj No.	Location	Auth. Request ($000)	Appr. Request ($000)	% Design As Of Jan 00	Page No.
		Various Locations				
	201	HOST NATION INFRASTRUCTURE	142	142	100	315
	608	BACHELOR ENLISTED QUARTERS & DINING FAC	11,500	11,500	30	319
	201	PLANNING AND DESIGN	63,335	63,335	0	323
	H-201	Planning and Design (Family Housing)	19,958	19,958	N/A	
	201	UNSPECIFIED MINOR CONSTRUCTION	7,659	7,659	0	325
	H-201	Construction Improvements (Family Housing)	183,547	183,547	N/A	
		Total - Various Locations	**286,141**	**286,141**		

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State/Country	Proj No.	Location	Auth. Request ($000)	Appr. Request ($000)	% Design As Of Jan 00	Page No.
		Inside The United States				
ARIZONA						
		MARINE CORPS AIR STATION				
		YUMA, ARIZONA				
	482	COMBAT AIRCRAFT LOADING APRON (CALA)	8,200	8,200	65	6
		Subtotal	8,200	8,200		
		Total - ARIZONA	**8,200**	**8,200**		
CALIFORNIA						
		MARINE CORPS BASE				
		CAMP PENDLETON CALIFORNIA				
	633	INFANTRY SQUAD BATTLE COURSE	4,000	4,000	65	12
	634	ARMOR/ANTI-ARMOR TRACKING RANGE	4,100	4,100	65	16
		Subtotal	8,100	8,100		
		MARINE CORPS AIR STATION				
		MIRAMAR, CALIFORNIA				
	050	GROUND COMBAT TRAINING RANGE	7,350	7,350	60	25
		Subtotal	7,350	7,350		
		MARINE CORP AIR-GROUND COMBAT CTR				
		TWENTYNINE PALMS, CALIFORNIA				
	542	URBAN ASSAULT COURSE	2,100	2,100	65	59
	H-370	79 Replacement Homes	13,923	13,923	N/A	
		Subtotal	16,023	16,023		
		Total - CALIFORNIA	**31,473**	**31,473**		
DIST OF COLUMBIA						
		WASHINGTON MARINE BARRACKS, 8TH & I ST				
		WASHINGTON, DC				
	990	BACHELOR ENLISTED QUARTERS	17,197	17,197	15	73
		Subtotal	17,197	17,197		
		Total - DIST OF COLUMBIA	**17,197**	**17,197**		
GEORGIA						
		MARINE CORPS LOGISTICS BASE				
		ALBANY, GEORGIA				
	920	RENOVATE VEHICLE STORAGE FACILITY	1,100	1,100	20	100
		Subtotal	1,100	1,100		
		Total - GEORGIA	**1,100**	**1,100**		
HAWAII						
		MARINE CORPS BASE				
		KANEOHE BAY, HAWAII				
	741	BACHELOR ENLISTED QUARTERS	18,400	18,400	30	115
	H-570	84 Replacement Homes	21,910	21,910	N/A	
		Subtotal	40,310	40,310		
		Total - HAWAII	**40,310**	**40,310**		

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State/Country	Proj No.	Location	Auth. Request ($000)	Appr. Request ($000)	% Design As Of Jan 00	Page No.
NORTH CAROLINA						
		MARINE CORPS BASE				
		CAMP LEJEUNE, NORTH CAROLINA				
	019	AMPHIBIOUS OPS/MAINT/STORAGE COMPLEX	9,500	9,500	35	170
	118	OPERATIONS/ MAINTENANCE/STORAGE FACILITY	3,650	3,650	35	174
	124	CHILD DEVELOPMENT CENTER	4,420	4,420	20	178
	150	ARMORIES	14,000	10,000	50	186
	159A	BACHELOR ENLISTED QUARTERS (COURTHOUSE)	14,300	14,300	60	182
		Subtotal	45,870	41,870		
		MARINE CORPS AIR STATION				
		CHERRY POINT, NORTH CAROLINA				
	568	AIRCRAFT HANGAR IMPROVEMENTS	8,480	8,480	35	191
		Subtotal	8,480	8,480		
		MARINE CORPS AIR STATION				
		NEW RIVER, NORTH CAROLINA				
	528	AIRCRAFT RINSE FACILITY	800	800	50	201
	629	AIR TRAFFIC CONTROL TOWER	2,600	2,600	15	204
		Subtotal	3,400	3,400		
		Total - NORTH CAROLINA	**57,750**	**53,750**		
SOUTH CAROLINA						
		MARINE CORPS AIR STATION				
		BEAUFORT, SOUTH CAROLINA				
	401	FLIGHTLINE FIRE SAFETY IMPROVEMENTS	3,140	3,140	20	216
		Subtotal	3,140	3,140		
		MARINE CORPS RECRUIT DEPOT				
		PARRIS ISLAND, SOUTH CAROLINA				
	327	FIELD TRAINING COMPLEX	2,660	2,660	20	222
		Subtotal	2,660	2,660		
		Total - SOUTH CAROLINA	**5,800**	**5,800**		
VIRGINIA						
		MARINE CORPS COMBAT DEV COMMAND				
		QUANTICO, VIRGINIA				
	058	PHYSICAL TRAINING FACILITY	8,590	8,590	60	271
		Subtotal	8,590	8,590		
		Total - VIRGINIA	**8,590**	**8,590**		
		Total - Inside The United States	**170,420**	**166,420**		

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Installation/Location	Proj No.	Project Title	Cost ($000)	Mission Status
		Inside The United States		
ARIZONA				
NAVY DETACHMENT CAMP NAVAJO, ARIZONA	114	MAGAZINE MODERNIZATION	2,940	New
MARINE CORPS AIR STATION YUMA, ARIZONA	482	COMBAT AIRCRAFT LOADING APRON (CALA)	8,200	Current
CALIFORNIA				
PT HUENEME DIV, NAV SURFACE WARFARE CTR PORT HUENEME, CALIFORNIA	016	WEAPON/COMBAT SYSTEMS INTEGRATION LAB	10,200	Current
NAVAL AIR WARFARE CENTER, WEAPONS DIV POINT MUGU, CALIFORNIA	031	RANGE OPERATIONS CENTER ADDITION/ALTS	11,400	Current
MARINE CORPS AIR STATION MIRAMAR, CALIFORNIA	050	GROUND COMBAT TRAINING RANGE	7,350	Current
NAVAL AIR STATION LEMOORE CALIFORNIA	201	BACHELOR ENLISTED QUARTERS	8,260	Current
NAVAL STATION SAN DIEGO, CALIFORNIA	326	BERTHING PIER (INCREMENT I)	35,700	Current
MARINE CORP AIR-GROUND COMBAT CTR TWENTYNINE PALMS, CALIFORNIA	542	URBAN ASSAULT COURSE	2,100	Current
NAVAL AIR STATION NORTH ISLAND, SAN DIEGO, CA	577	AIRCRAFT OPERATIONS BLDG (SAN CLEMENTE)	8,860	Current
MARINE CORPS BASE CAMP PENDLETON CALIFORNIA	633	INFANTRY SQUAD BATTLE COURSE	4,000	Current
MARINE CORPS BASE CAMP PENDLETON CALIFORNIA	634	ARMOR/ANTI-ARMOR TRACKING RANGE	4,100	Current
NAVAL AIR STATION NORTH ISLAND, SAN DIEGO, CA	700B	BERTHING WHARF (INCREMENT II)	12,800	New
NAVAL AVIATION DEPOT NORTH ISLAND, CALIFORNIA	728	COMPONENT REPAIR CLEAN ROOM FACILITY	4,340	Current
CONNECTICUT				
NAVAL SUBMARINE BASE NEW LONDON, CONNECTICUT	429	DRYDOCK SUPPORT FACILITY	3,100	Current
DIST OF COLUMBIA				
NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA	050	NANO-SCIENCE RESEARCH LABORATORY	0	Current
COMMANDANT NAVAL DISTRICT WASHINGTON WASHINGTON, D. C.	339	NAVY MUSEUM ANNEX	2,450	Current
WASHINGTON MARINE BARRACKS, 8TH & I ST WASHINGTON, DC	990	BACHELOR ENLISTED QUARTERS	17,197	Current

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Installation/Location	Proj No.	Project Title	Cost ($000)	Mission Status
FLORIDA				
NAVAL AIR STATION WHITING FIELD, FLORIDA	232	JPATS T-6A OPERATIONS/ MAINTENANCE FAC	1,230	New
NAVAL AIR STATION WHITING FIELD, FLORIDA	240	JPATS T-6A GSE SUPPORT/ PAINT FACILITY	3,900	New
NAVAL SURFACE WARFARE CENTER DETACHMENT FORT LAUDERDALE, FLORIDA	893	SEAWALL AND SHIP BERTHING FACILITY	3,570	Current
GEORGIA				
TRIDENT REFIT FACILITY KINGS BAY, GEORGIA	568	CONSOLIDATED SANDBLAST/PAINT FACILITY	5,200	Current
MARINE CORPS LOGISTICS BASE ALBANY, GEORGIA	920	RENOVATE VEHICLE STORAGE FACILITY	1,100	Current
HAWAII				
COMMANDER IN CHIEF, PACIFIC CAMP H.M. SMITH, HAWAII	112A	CINCPAC HEADQUARTERS (INCREMENT II)	35,600	Current
FLEET INDUSTRIAL SUPPLY CENTER PEARL HARBOR, HAWAII	138	WHARF UPGRADE	12,000	Current
NAVAL UNDERSEA WARFARE DETACHMENT LUALUALEI, HAWAII	313	CONSOLIDATED FLEET TEST SUPPORT FACILITY	2,100	Current
NAVAL STATION PEARL HARBOR, HAWAII	533	RELOCATE SEAL DELIVERY VEHICLE TEAM	14,200	Current
NAVAL STATION PEARL HARBOR, HAWAII	593	BACHELOR ENLISTED QUARTERS	16,500	Current
MARINE CORPS BASE KANEOHE BAY, HAWAII	741	BACHELOR ENLISTED QUARTERS	18,400	Current
ILLINOIS				
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS	640	RECRUIT TRAINING DRILL HALL	11,700	Current
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS	710	PHYSICAL TRAINING FACILITY	35,000	Current
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS	730	RECRUIT BARRACKS	37,000	Current
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS	731	RECRUIT BARRACKS	37,700	Current
MAINE				
NAVAL AIR STATION BRUNSWICK BRUNSWICK ME	115	AIRCRAFT DE-ICE/RINSE FACILITY	2,450	Current
MARYLAND				
NAV EXPLOSIVE ORDNANCE DISPOSAL TECH DIV INDIAN HEAD, MARYLAND	110	JOINT SERVICE, EOD EQUIPMENT SUPPORT FAC	6,430	Current

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Installation/Location	Proj No.	Project Title	Cost ($000)	Mission Status
MISSISSIPPI				
NAVAL AIR STATION MERIDIAN MISSISSIPPI	289	T-45 AIRCRAFT SUPPORT FACILITIES	4,700	Current
NEW JERSEY				
NAVAL WEAPONS STATION EARLE, NEW JERSEY	999	RECREATION CENTER	2,420	Current
NORTH CAROLINA				
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	019	AMPHIBIOUS OPS/MAINT/STORAGE COMPLEX	9,500	Current
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	118	OPERATIONS/ MAINTENANCE/STORAGE FACILITY	3,650	Current
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	124	CHILD DEVELOPMENT CENTER	4,420	Current
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	150	ARMORIES	10,000	Current
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	159A	BACHELOR ENLISTED QUARTERS (COURTHOUSE)	14,300	Current
MARINE CORPS AIR STATION NEW RIVER, NORTH CAROLINA	528	AIRCRAFT RINSE FACILITY	800	Current
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	568	AIRCRAFT HANGAR IMPROVEMENTS	8,480	Current
MARINE CORPS AIR STATION NEW RIVER, NORTH CAROLINA	629	AIR TRAFFIC CONTROL TOWER	2,600	Current
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	979	AIRCRAFT STRIPPING FACILITY ADDITION	7,540	Current
RHODE ISLAND				
NEWPORT DIV, NAVAL UNDERSEA WARFARE CTR NEWPORT, RHODE ISLAND	077	SHORE BASED LAUNCH FACILITY	4,150	Current
SOUTH CAROLINA				
MARINE CORPS RECRUIT DEPOT PARRIS ISLAND, SOUTH CAROLINA	327	FIELD TRAINING COMPLEX	2,660	Current
MARINE CORPS AIR STATION BEAUFORT, SOUTH CAROLINA	401	FLIGHTLINE FIRE SAFETY IMPROVEMENTS	3,140	Current
TEXAS				
NAVAL AIR STATION KINGSVILLE, TEXAS	238	AIRCRAFT PARKING APRON	0	Current
VIRGINIA				
AEGIS COMBAT SYSTEMS CENTER WALLOPS ISLAND, VIRGINIA	002	SPY-1D TEST AND EVALUATION FAC ADDITION	3,300	New
MARINE CORPS COMBAT DEV COMMAND QUANTICO, VIRGINIA	058	PHYSICAL TRAINING FACILITY	8,590	Current
NAVAL STATION	099A	PIER ENHANCEMENTS	4,700	Current

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Installation/Location	Proj No.	Project Title	Cost ($000)	Mission Status
NORFOLK, VIRGINIA				
NAVAL AIR STATION NORFOLK, VIRGINIA	113	TAXIWAY EXTENSION AND LIGHTS	6,350	Current
DAHLGREN DIV, NAVAL SURFACE WARFARE CTR DAHLGREN VIRGINIA	285	INNOVATION TECHNOLOGY AND INFRASTRUCTURE	11,300	New
NAVAL AMPHIBIOUS BASE LITTLE CREEK, VIRGINIA	371	WATERFRONT OPERATIONS BUILDING	2,830	Current
NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA	504	BACHELOR ENLISTED QUARTERS	16,100	Current
NAVAL AIR STATION NORFOLK, VIRGINIA	522	AIRCRAFT MAINTENANCE HANGAR	11,800	Current
NAVAL AIR STATION NORFOLK, VIRGINIA	524	AIRCRAFT MAINTENANCE HANGAR	13,300	Current
NAVAL AIR STATION OCEANA, VIRGINIA	758	AIRFIELD IMPROVEMENTS	5,250	Current
WASHINGTON				
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON	341	PIER REPLACEMENT (INCREMENT I)	38,000	Current
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON	343	OILY WASTEWATER COLLECTION	6,600	Current
STRATEGIC WEAPONS FACILITY PAC BREMERTON, WASHINGTON	945	EXPLOSIVES HANDLING WHARF MODIFICATIONS	1,400	Current
		Outside The United States		
ITALY				
NAVAL SUPPORT ACTIVITY NAPLES, ITALY	201	BACHELOR ENLISTED QUARTERS	15,000	Current
NAVAL AIR STATION SIGONELLA, ITALY	620	COMMUNITY FACILITIES	32,029	Current
SOUTH WEST ASIA				
NAVAL ADMIN SUPPORT UNIT SOUTHWEST ASIA	904	OPERATIONS CENTER	19,400	Current
		Various Locations		
Various Locations				
VARIOUS LOCATIONS	608	BACHELOR ENLISTED QUARTERS & DINING FAC	11,500	Current

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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, [$896,869,000] $753,422,000 to remain available until September 30, [2004] 2005. Provided, that of this amount, not to exceed [$72,298,000] $63,335,000 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.

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

Identification code 17-1205-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
	1999 actual	2000 est.	2001 est.	1999 actual	2000 est.	2001 est.
Program by activities:						
Direct program:						
00.0101 Major construction	538,613	849,183	682,428	584,714	614,646	657,147
00.0201 Minor construction	9,900	8,426	7,659	17,446	7,051	7,356
00.0301 Planning	59,836	72,390	63,335	55,679	61,152	60,490
00.9101 Total direct program	608,349	929,999	753,422	657,839	682,849	724,993
01.0101 Reimbursable program	219,699	354,000	354,000	364,338	354,000	354,000
10.0001 Total	828,048	1,283,999	1,107,422	1,022,177	1,036,849	1,078,993
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)	-219,699	-354,000	-354,000	-361,188	-354,000	-354,000
17.0001 Recovery of prior year obligations				-5,205		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-222,602	-148,262	-395,412
21.4009 Reprograming from/to prior year budget plan	-26,905					
22.2001 Unobligated balance transferred from other ac	-1,010	-33,130		-1,010	-33,130	
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				148,262	395,412	423,841
25.0001 Unobligated balance expiring	28,019			28,019		
39.0001 Budget authority	608,453	896,869	753,422	608,453	896,869	753,422
Budget authority:						
40.0001 Appropriation	604,593	901,531	753,422	604,593	901,531	753,422
40.1501 Appropriation (emergency)	5,860			5,860		
40.3501 Appropriation rescinded (-)	-2,000			-2,000		
40.7601 Reduction pursuant to P.L. 106-113(-), Titl		-4,662			-4,662	
43.0001 Appropriation (adjusted)	608,453	896,869	753,422	608,453	896,869	753,422
Relation of obligations to outlays:						
71.0001 Obligations incurred				660,989	682,849	724,993
72.1001 From Federal sources: Receivables and unpaid, unfilled orders, SOY				-419,249	-408,035	-408,035
72.4001 Obligated balance, start of year				1,274,848	1,234,854	1,279,097
74.1001 From Federal sources: Receivables and unpaid, unfilled orders, EOY				408,035	408,035	408,035
74.4001 Obligated balance, end of year				-1,234,854	-1,279,097	-1,216,633
77.0001 Adjustments in expired accounts (net)				-10,103		
78.0001 Adjustments in unexpired accounts				-5,205		
90.0001 Outlays (net)				674,461	638,606	787,457

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

Identification code 17-1205-0-1-051		1999 actual	2000 est.	2001 est.
	Direct obligations:			
	Personnel compensation:			
111.101	Full-time permanent	96,670	112,776	114,829
111.301	Other than full-time permanent	4,299	3,951	4,096
111.501	Other personnel compensation	3,895	4,478	3,849
111.801	Special personal services payments	254		
111.901	Total personnel compensation	105,118	121,205	122,774
112.101	Civilian personnel benefits	22,455	28,710	30,322
113.001	Benefits for former personnel	3,209	2,808	14,033
121.001	Travel and transportation of persons	5,714	7,005	7,520
122.001	Transportation of things	1,401	1,677	1,800
123.201	Rental payments to others	1,171	1,767	1,897
123.301	Communications, utilities, and miscellaneous charges	2,704	3,698	3,970
124.001	Printing and reproduction	1,334	2,006	2,153
	Purchases goods/services from Government accounts			
125.302	Payments to foreign national indirect hire personnel	344	352	405
125.701	Operation and maintenance of equipment	605	1,002	1,076
126.001	Supplies and materials	2,986	3,167	3,400
131.001	Equipment	6,045	3,147	3,378
132.001	Land and structures	504,753	506,305	531,865
199.001	Total Direct obligations	657,839	682,849	724,593
	Reimbursable obligations:			
	Personnel Compensation:			
211.101	Full-time permanent	35,037	42,626	26,658
211.301	Other than full-time permanent	4,503	1,789	1,328
211.501	Other personnel compensation	1,597	660	562
211.901	Total personnel compensation	41,137	45,075	28,548
212.101	Civilian personnel benefits	10,090	12,928	8,307
221.001	Travel and transportation of persons	4,666	5,576	5,810
222.001	Transportation of things	65	59	61
223.201	Rental payments to others	1,641	1,946	2,028
223.301	Communications, utilities, and miscellaneous charges	142	231	241
224.001	Printing and reproduction	594	723	753
225.701	Operation and maintenance of equipment	14	25	26
226.001	Supplies and materials	176	2	2
231.001	Equipment	787	191	199
232.001	Land and structures	305,026	287,244	308,025

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

Identification code 17-1205-0-1-051		1999 actual	2000 est.	2001 est.
299.001	Total Reimbursable obligations	364,338	354,000	354,000
	Allocation Accounts			
	Personnel compensation:			
311.101	Full-time permanent			10
311.301	Other than full-time permanent			5
311.501	Other personnel compensation			1
311.901	Total personnel compensation			16
312.101	Civilian personnel benefits			1
321.001	Travel and transportation of persons			9
322.001	Transportation of things			5
326.001	Supplies and materials			54
332.001	Land and structures			315
399.001	Total Allocation Accounts			400
999.901	Total obligations	1,022,177	1,036,849	1,078,993
	Obligations are distributed as follows:			
	Defense-Military:Navy		817,168	876,715
	Department of Transportation			400
	Total Obligations		817,168	877,115

DEPARTMENT OF THE NAVY
FY 2001 BIENNIAL MILITARY CONSTRUCTION PROGRAM

SPECIAL PROGRAM CONSIDERATIONS

POLLUTION ABATEMENT:

The military construction projects in this program will be designed to meet environmental standards. The Military construction projects proposed are primarily for the abatement of existing pollution problems at Naval and Marine Corps installations and 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 acquisition, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Numbers 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 Future Years Defense Program (FYDP). Construction projects within the District of Columbia, with the exception of the Bolling/Anacostia area, are submitted to the Commission for approval prior to the start of construction.

ENVIRONMENTAL PROTECTION:

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

ECONOMIC ANALYSIS:
Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives could be evaluated, a primary economic analysis was prepared.

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

CONGRESSIONAL REPORT REQUIREMENTS:

a. Headquarters, Commander-in-Chief, Pacific Fleet

- The HASC recommended deferral of this project. The committee noted the authority recommended in section 2802 of this Act to further the development of Ford Island, Hawaii, for the support of the military activities of the Department of the Navy and other military activities of the Department of Defense. The committee directed the Secretary of the Navy to study the viability of the relocation of the headquarters, Commander-in-Chief, Pacific Fleet, to Ford Island and to assess the adequacy of those authorities provided in section 2802 of this Act to support the development of appropriate headquarters facilities on Ford Island. The committee further directed the Secretary to complete the study and assessment, as part of the master plan for the development of Ford Island, Hawaii, required by that section.

- The CASC authorized the funding of $15,870,000 for this project..

- (HAC) The Committee originally denied $15,870,000 for this project. The Committee recommendation is based on authority recommended in section 2802 of the National Defense Authorization Act for fiscal year 2000 to further the development of Ford Island, Hawaii. The Secretary of the Navy is directed to report to the Committee by January 15, 2000 on the feasibility of using authorities granted for the development of Ford Island in relocating the CINCPLCFLT headquarters to that site.

b. Development of Ford Island, Hawaii (SASC Sec. 2862*)* (HASC Sec 2802)

- The CASC authorized a provision that authorizes a series of special authorities for the development of Ford Island, Hawaii, by the Secretary of the Navy. The authorities authorize the Secretary to convey or lease excess real or personal property in the State of Hawaii for the purpose of facilitating such development and authorize the Secretary to accept a lease of any facility constructed under this authority in lieu of cash payment for the sale or lease of real property under this authority. This provision requires the Secretary of the Navy to submit a master plan for the development of Ford

Island to the appropriate committees of Congress 30 days prior to exercising any of the authorities provided by this section. The provision also requires the Secretary, 30 days prior to the commencement of any lease, sale, or exchange of real property, to submit to the Congressional defense committees a report detailing the terms and conditions of any transaction. This section prohibits the Secretary from acquiring, constructing, or improving military family housing or unaccompanied personnel housing under this authority in lieu of the authority provided by subchapter IV, chapter 169 of title 10, United States Code. The provision authorizes the Secretary to transfer funds from the Ford Island Improvement Account to the Department of Defense Family Housing Improvement Fund and the Department of Defense Military Unaccompanied Housing fund for such purposes. The CASC language limits the property the Secretary may lease to any public or private sector entity to parcels not required for current operations.

c. Unspecified Minor Construction:

- The HASC recommended that, within authorized amounts for unspecified minor construction, the Secretary of the Navy execute the following project: $950,000 for an Aircraft Parts Staging Facility at Naval Aviation Depot, Jacksonville, Florida.

- The CASC did not have this language, they authorized appropriation in the amount of $7,342,000 requested in the budget as per Section 2805 of Title 10, United States Code.

- (SAC) Learning Resource Center, NAVSTA, Pascagoula, MS – The Committee directs that not less than $920,000 of the unspecified minor construction funds be made available to construct this project.

- Apron Modifications, NAS, Whiting Field, FL – The Committee directs that not less than $600,000 of the unspecified minor construction funds be made available to construct this project.

d. General Reduction:

- (HASC Sec 2204(c)) The total amount authorized to be appropriated is reduced by $19,300,000, which represents the combination of project savings in military construction resulting from favorable bids, reduced overhead charges, and cancellations due to force structure changes**.**

- (CASC Sec 2204(c)) The total amount authorized to be appropriated is reduced by $30,227,000, which represents the combination of project savings in military construction resulting from favorable bids, reduced overhead charges, and cancellations due to force structure changes. It is further reduced by $3,000,000 based on a re-estimation of inflation. Family Housing amount authorized was reduced by $4,600,000 due to reestimation of inflation ($1,000,000 for Family Housing Construction and $3,600,000 for Family Housing Support).

- (HAC) – The Committee believes the amount requested for construction contingencies (5% for new construction and 10% for alterations or additions) is excessive. The Committee has learned that contingency funds have been inappropriately used to upgrade projects that already met the basic requirement. Therefore, the Committee has included provision (Sec128) and eliminated contingency funds in the amount of $131,177,000.

- (SAC) The Committee believes the amount requested for construction contingencies (5% for new construction and 10% for alterations or additions) is excessive. The Committee has learned that contingency funds have been inappropriately used to upgrade projects that already met the basic requirement. Therefore, the Committee has included provision (Sec125) and eliminated the contingency funds in the amount of $278,051,000.

- (CAC) - The conferees agree that the amount requested for construction contingencies, 5 percent for new construction and 10 percent for alterations or additions, is excessive. Therefore, the conferees have included general reductions that reduce the funding available for contingency within the Department. The conferees direct that no project for which funds were previously appropriated, or for which funds are appropriated in this bill, may be canceled as a result of the reductions included in the conference agreement.

e. Re-estimation of Inflation - (CAC) The conference agreement includes reductions totaling $25,900,000 which result from re-estimation of inflation undertaken by the Office of Management and Budget as part of the mid-session review of the budget request. The conferees direct the Department to distribute these reductions proportionally against each project and activity in each account.

f. Acquisition of Prepositioned Equipment Maintenance Facilities, Blount Island, Jacksonville, Florida

- The HASC noted the recent approval by the Secretary of Defense of a waiver of the current moratorium on land acquisition for the purchase of the afloat prepositioning maintenance facilities at Blount Island, Jacksonville, Florida, currently operated under lease by the Marine Corps. The committee noted that these facilities are critical to the prepositioning support of the Marine Corps. The committee has noted previously that ownership of these facilities could save the Department of the Navy between six and seven million dollars annually. In an effort to ensure the continued readiness of the Marine Corps, the need for strategic placement of prepositioning facilities, and the desire to obtain the most cost-effective solution to prepositioning operations, the committee strongly urged the Secretary of the Navy to proceed with those actions necessary to bring this acquisition to completion at the earliest possible time.

- The CASC noted the recent approval by the Secretary of Defense of a waiver of the current moratorium on land acquisition for the purchase of the afloat prepositioning maintenance facility at Blount Island, Jacksonville, Florida currently operated under lease by the Marine Corps. The CASC acknowledged that these facilities are critical to the prepositioning support of the Marine Corps and further noted that ownership of these facilities would save the Department of the Navy

between six and seven million dollars annually. In an effort to ensure continued readiness of the Marine Corps, the need for strategic placement of prepositioning facilities, and the desire to obtain the most cost-effective solution to prepositioning operations, the CASC expects the Secretary of the Navy to proceed with those actions necessary to bring this acquisition to completion at the earliest possible time.

- (SAC) The Committee noted that the Secretary of Defense has approved a waiver of the moratorium on land acquisition for the purchase of the facilities at Blount Island. The Committee encourages the Secretary of the Navy to proceed with the acquisition of these facilities at the earliest possible date.

g. Correction in Authorized Use of Funds, Marine Corps Combat Development Command, Quantico, Virginia.

- The CASC noted that the sanitary landfill at the Marine Corps Combat Development Command, Quantico, Virginia authorized by the Military Construction Authorization Act for Fiscal Year 1997 (Division B of Public Law 104-201) is no longer required. The conferees agreed to extend the funds for the sanitary landfill and direct the Secretary of the Navy to submit a report detailing the need for the infrastructure improvements project with the fiscal year 2001 budget request.

- (CAC) Mission growth at Quantico over the past decade has put an enormous amount of stress on the basic infrastructure there. In fact, past efforts to program the construction of new facilities at the installation have failed due to the lack of basic infrastructure. The conferees are aware of plans to provide utilities and road structures at Quantico to correct current facility deficiencies. The project will also open approximately 500-800 acres for future development. The conferees agree this project is needed for continued growth and development of the base. Therefore, the Navy is directed to accelerate the design of this project and include the required funding in its fiscal year 2001 budget request.

h. Radio Transmitting Facility Towers at Naval Station, Annapolis, Maryland
The CASC authorized a provision that directs the Secretary of the Navy to delay for one year the demolition of radio transmission towers at Naval Station, Annapolis, Maryland, and authorize the conveyance of the towers, in an 'as is' condition, to the State of Maryland or Anne Arundel County, Maryland, if either agrees to accept the towers.

i. Child Development Centers – (HAC) The Committee recognizes the increased importance of child development centers and encourages the Department to maintain all efforts possible to meet 80 percent of the child care need.

j. Privatization of Utility Systems – (HAC) The Committee is concerned that sale of utility systems may result in a substantial increase in long-term utility costs to the Government and a concomitant

increase in O&M requirements. It urges the Department to study carefully the economic consequences of privatization before divesting the Government's interest in any military utility system. Additionally, the Committee encourages the Department to assure the military services are coordinating their utility privatization efforts in co-located areas.

k. European Construction –

- (HAC) The United States European Command is faced with a $4.7 billion backlog in maintenance and repair. This lack of funding and the numerous deployments and contingency operations over the past few years has put an enormous amount of stress on the infrastructure in the region. Through the inclusion of $475,000,000 in the 1999 Emergency Supplemental Appropriations Act, the Congress has recognized the severe need for facility upgrades in the European theatre. The Department is directed to appropriately budget to correct these deficiencies. Page 385 is in response to the Committee requirement contained on page 10 of the HAC report.

- (CAC) The conference agreement does not provide funding for European military construction projects. The conferees direct the Department to use funds that were appropriated in the Fiscal Year 1999 Emergency Supplemental Appropriations Act (Public Law 106-31) to provide full funding for these projects.

l. Metric Conversion – (HAC) The Committee directs the Comptroller of the Department of Defense to assure that any Form 1390/1391, which is presented as justification in metric measurement, shall include parenthetically the English measurement. The metric and equivalent English measurements are provided in Block 11 of each DD1391.

m. Concord Naval Weapons Station, California – (HAC) The significant downsizing planned at the station has raised the issue of potential use of the property by the surrounding community. The Committee directs the Secretary of the Navy to conduct a joint-use study examining the potential for joint use by civilians and military entities that is consistent with missions of the Navy and Army and the needs of the surrounding community. The study shall be conducted by the Navy in conjunction with the Army; the cities of Concord, Martinez, and Pittsburgh; Contra Costa County; the Communities of Clyde and Bay Point; and the East Bay Regional Parks District. The report is to be submitted to the Committee no later than January 15, 2000**.**

n. Lemoore Naval Air Station, California: Quality of Life Conditions – (HAC) The Committee has been informed that a recent survey at Lemoore confirmed that the living conditions diminish morale and may threaten pilot retention rates. Considering the cost of training these pilots, as well as the critical importance of the F/A-18's to the Navy's future, the Navy is directed to accelerate the design of quality of life projects at Lemoore NAS, and to include the required construction funding in its fiscal year 2001 budget request. Additionally, the Secretary of the Navy is directed to report to the Committee by January 15, 2000 on the plan and schedule for addressing the critical quality of life conditions at Lemoore NAS. Page 49 is in response to the Committee requirement contained on page 14 of the HAC report.

o. Design

- (HAC) Port Hueneme, California: Combat Systems Integration Lab –The Navy is directed to accelerate design of the Combat System Integration Lab at the Port Hueneme Division of the Naval Surface Warfare Center, and to include funding for this project in its fiscal year 2001 budget request. Page 83 is in response to the Committee requirement contained on page 15 of the HAC report.

- Earle Naval Weapons Station, New Jersey: Pier 2 –The Committee has learned that structural testing and engineering analyses of the pier have found major areas of deterioration. Accordingly, the Committee has concerns about the safety of conducting operations at Pier 2. Therefore, the Navy is directed to accelerate the design of this project and to include the required construction funding in its fiscal year 2001 budget request.

- (SAC) Naval Submarine Base, Bangor, WA – In the Senate report accompanying the fiscal year 1999 Military Construction Appropriation Bill, the Department was directed to make $1 million available from the "DoD dependent school" account for the design of a facility to serve the Bangor installation and to award a contract for the planning and design as early as practical in fiscal year 1999. Despite this language, the Department has not proceeded with this contract. The funds remain available, and the Committee directs the Navy and the Department of Defense to proceed immediately with the design, planning, and site preparation activities associated with this facility.

p. School Facilities Study – (SAC) The Committee is concerned about the adequacy of special education services available to the dependent children of uniformed personnel, particularly on those installations identified as compassionate assignment posts. Accordingly, the Committee has included a provision (Sec 126) which directs the Secretary to provide a report, by April 30, 2000, detailing the following: (1) a survey of schools on military installations in the U.S. that are operated by either the DoD or local school districts; (2) a survey of school districts in the continental U.S. that have experienced an increase in enrollment of 20% or more in the past five years resulting from base realignments or consolidations; and (3) an assessment of the impact of increased special education requirements on school districts in areas designated by the military departments as compassionate assignment posts. The Committee further directs the Secretary to assess the adequacy of special education services and to recommend corrective measures such as the renovation of existing schools or construction of new schools, a cost estimate of needed improvements, and a recommended source of funding within the Department of Defense.

q. Roosevelt Roads Naval Station, Puerto Rico – (HAC) The Committee is concerned that the land dispute with the City of Ceiba has not been resolved. The Committee is aware that the City of Ceiba has developed several cooperative use proposals and would like to reach an agreement with the Navy on a mutually beneficial plan for this land. The Secretary of the Navy is directed to report to the Committee by January 15, 2000 on a schedule for developing a plan agreeable to both the Navy and the City of Ceiba to resolve this land dispute.

r. Naval Reserve Unspecified Minor Construction –

- (HAC) The Committee directs the Naval Reserve to execute a project in the amount of $720,000 to provide a fire training facility at the Fort Worth Joint Reserve Base in Texas. [Note: P-018, Fire Fighting Training Facility, NAS Fort Worth]

- (SAC) Ground Support Equipment Holding Shed, NAS, Willow Grove, PA – The Committee directs that not less than $640,000 of the unspecified minor construction funds within the Naval Reserve account be made available to construct this project. [Note: This project was also added to the MCNR major construction program.]

- (SAC) Water Storage Tank, NAS, Memphis, TN – The Committee directs that not less than $1,050,000 of the unspecified minor construction funds within the Naval Reserve account be made available to construct this project. [Note: this is not a valid MCNR project. It needs to be funded from active Navy funding]

s. Reporting Threshold for General and Flag Quarters -

- (HAC) Furthermore, not more than $15,000 per unit can be spend annually for the maintenance and repair of any general or flag officer quarters without the prior notification of the appropriate committees of Congress. [Note: This is a decrease from the current threshold of $25,000.]

- (SAC) Naval Flag Officer Quarters – The Committee understands that the Navy has spent a total of $5,500,000 from the " Operation and Maintenance, Navy" appropriation to maintain, repair, and preserve three flag officer quarters from fiscal years 1992 through 1999. In addition, "Family Housing, Navy" appropriation funding was used to supplement these major renovation initiatives. The use of the Operation and Maintenance appropriation for family housing renovations is considered inappropriate, and the Navy's designation of senior flag officers' quarters as representational, appeared to be an attempt to circumvent the Congressional control regarding the limits on expenditures on flag and general officers' quarters. Further, the Navy has systematically failed to notify the Congress that these renovations and other family housing improvements were planned and ongoing and that some of these projects exceeded cost variation guidelines. Accordingly, the Committee has included a new provision (Sec 124) which requires congressional notification of any expenditure of $25,000 or more for repair and maintenance of flag and general officers' quarters.

- (CAC) The conferees were dismayed to learn the Air Force, in addition to the Navy, has in recent years supplemented family housing funds with regular operations and maintenance funds on general and flag officer quarters. Therefore, the conferees have no recourse but to include a general provision (Section 128) which statutorily prohibits the mixing of operations and maintenance and family housing funds on all family housing units, including general officer quarters.
- The conferees will continue the existing notification requirement to the appropriate committees of Congress when maintenance and repair costs will exceed $25,000, instead of $15,000 as proposed by the House, for a unit not requested in the budget justification. However, beginning January 15,

2000, the Under Secretary of Defense (Comptroller) is to report on an annual basis all operations and maintenance expenditures for each individual flag and general officer quarters.

t. General and Flag Officer Quarters: Change in Occupancy Work – (HAC) The Committee continues the notification requirement when maintenance and repair costs for change in occupancy work for a unit will exceed the amount submitted in the budget justification by 25 percent or $5,000, whichever is less.

u. Housing Privatization – (HAC) In view of the sluggish implementation of the Privatization Initiative to date, the Committee believes abandonment of traditional family housing construction is an inappropriate strategy for the military services to pursue. Further, the Committee is concerned that Office of Management and Budget scoring requirements are driving privatization transactions rather than good business practices. The Committee is also concerned that the Department is permitting the military services, in an apparent breach of fiduciary responsibility, to give away valuable Federal land and facilities without adequate consideration in order to facilitate privatization deals with developers. The Committee believes a "pilot project" approach is the best method to warrant success for each of the military services and urges the Department to reflect this approach in future budget requests.

v. Family Housing Master Plans - (HAC) Section 129 of the bill directs that the Army, Navy, Marine Corps and Air Force to submit to the appropriate committees of Congress by June 1, 2000, a Family Housing Master Plan demonstrating how they plan to meet the Department's goal to eliminate all inadequate housing by 2010 with traditional construction, demolition, operation and maintenance support, as well as privatization initiative proposals. The Committee commends the Air Force for recently completing its two year effort which involved installation visits to document the existing conditions of base housing units, initially assess the feasibility of housing privatization and to produce an installation plan. The Army, Navy and Marine Corps are directed to mirror the Air Force's efforts.

w. Hunters Point Naval Shipyard, California – (HAC) The Committee believes that the necessary funding to achieve the environmental cleanup goals should be allocated by the Navy to coincide with the implementation of the City's land re-use and redevelopment plans. The Committee directs the Secretary of the Navy to report to the Committee no later than January 15, 2000 on the progress being made to complete the timely transfer and redevelopment of Hunters Point Naval Shipyard**.**

x. Louisville Naval Ordnance Station, Kentucky - (HAC) Due to continued discussion between the State of Kentucky Department of Natural Resources and the Department of the Navy over the extent of the cleanup for external environmental remediation, the property has not been conveyed to the Louisville/Jefferson County Redevelopment Authority (LJCRA). The Committee directed the Navy to immediately begin Economic Development Conveyance (EDC) negotiations with the LJCRA. The Committee believes the EDC should provide an early transfer of the land and facilities, at no cost, to the LJCRA. The conveyance should be subject to the following conditions: the Navy will continue to address the cost of groundwater remediation and continue to be responsible for, and defend and indemnify the LJCRA against, any and all environmental concerns created by the Navy, as specified under the current lease, state, and federal regulations; and the LJCRA will assume responsibility for all remaining necessary repairs, code violations, and infrastructure modifications unrelated to environmental investigations or remediation at the Station. The Secretary of the Navy is directed to report to the Committee no later than September 15, 1999, on the status of negotiations and the estimated date for the early conveyance of the Station.

y. Dallas Naval Air Station, Texas – (HAC) The Dallas Naval Air Station was slated for closure by the 1993 Base Realignment and Closure Commission. The Secretary of the Navy is directed to report to the Committee by January 15, 2000 on the current status of ongoing efforts with emphasis on the following activities: building demolition, building fireproofing, and drinking water remediation. This report is to include the estimated dates for completion of all remediation activities.

z. Real Property Maintenance Reporting – (SAC) The Committee recommends a continuation of the current guidelines for repairing a facility. Components of the facility may be repaired by replacement, and such replacements may be up to current standards or code. Interior arrangements and restorations may be included as repairs but additions, new facilities, and functional conversions must be performed as military construction projects. Such projects may be done concurrent with repair projects, as long as the final project is a complete and usable facility. The appropriate Service Secretary shall submit a 21-day notification prior to carrying out any repair project with an estimated cost in excess of $10 million.

aa. Service Academy Military Construction Master Plan - (CAC) The conferees direct the Under Secretary of Defense (Comptroller) and the Under Secretary of Defense (Acquisition and Technology) to conduct a joint review of the Service Academies' military construction, family housing, and operations and maintenance requirements in this or any other Act. This review is to be completed in conjunction with the services and result in the development of a Service Academy Master Plan. Accordingly, the conferees direct the Secretary of Defense to submit the plan to the congressional defense committees no later than March 1, 2000. Any future requirements at an Academy must be included in the Master Plan. Furthermore, after the Service Academy Master Plan is submitted, any emergent requirements not included in the plan will require notification of the congressional defense committees.

bb. BRAC Construction Projects: Administrative Provision - (CAC) The conferees agree that any transfer of funds which exceeds reprogramming thresholds for any construction project financed by

any Base Realignment and Closure Account shall be subject to a 21-day notification to the Committees, and shall not be subject to reprogramming procedure.

cc. BRAC Construction Budget Data - (CAC) The conferees are concerned about the accuracy and reliability of the base realignment and closure (BRAC) construction budget data provided annually to the Congress. The Office of the Department of Defense Inspector General and the General Accounting Office recently found that the Services submitted BRAC military construction data in the fiscal years 1997 through 1999 military construction budgets based on overstated requirements and unsupported specifications and costs. They also found that the major commands of the Services did not effectively implement management control procedures established for the BRAC military construction planning, programming and budgeting process. This has resulted in overstated and invalid BRAC requirements and lack of supporting documentation. The conferees direct the Department to take the necessary corrective action to ensure that these deficiencies are corrected in the fiscal year 2001 budget submission.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N69035	4. Command	5. Area Constr Cost Index
NAVY DETACHMENT CAMP NAVAJO ARIZONA	STRATEGIC SYSTEMS PROGRAM OFFICE	0.98

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	0	0	0	0	0	0	0	0	0	0
b. End FY 2006	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	0.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	2,940.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	4,680.00
h.	**GRAND TOTAL.....**	**7,620.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
421.72	MAGAZINE MODERNIZATION	0 LS	2,940	12/98	05/01

	TOTAL		2,940		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 0

10. Mission Or Major Functions:

To provide permanent storage of Trident I C-4 missile motor components. No permanent party Navy personnel will be assigned at Camp Navajo. Temporary details will be provided from SWFTPAC at NSB Bangor during motor handling operations.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N69035	4. Project Title
NAVY DETACHMENT CAMP NAVAJO, ARIZONA	MAGAZINE MODERNIZATION

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0101228N	421.72	114	2,940

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
MAGAZINE MODERNIZATION	LS	-	-	2,620
SUPPORTING FACILITIES	LS	-	-	150
ELECTRICAL DISTRIBUTION SYSTEM MODIFICATIONS	LS	-	-	(150)
SUBTOTAL	-	-	-	2,770
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	2,770
Supervision Inspection & Overhead (6.0%)	-	-	-	170
TOTAL REQUEST	-	-	-	2,940
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Modification of eight earth covered, reinforced concrete magazines (1,712 m2) to provide new larger motorized blast door and new headwall; waterproofing and insulation; power and environmental control systems; a new mechanical room; and, extension of the electrical distribution system with new overhead power lines to the modified magazines.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:

Modifications to existing missile magazines and extension of the electrical distribution system for the storage of TRIDENT I (C4) missile magazines. (New mission)

REQUIREMENT:

Adequately sized and appropriately sited facilities are required to provide safe, environmentally controlled storage of TRIDENT I (C4) missile motors in support of the TRIDENT II (D5) Pacific Fleet deployment schedule at the Strategic Weapons Facility, Pacific (SWFPAC). The current schedule requires initial TRIDENT II (D5) weapons system capability in FY2002. The phased conversion of existing TRIDENT I (C4) facilities and missile magazines at SWFPAC is planned to commence in FY2000. To ensure that suitable storage facilities are available for the displaced TRIDENT (C4)

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N69035
NAVY DETACHMENT CAMP NAVAJO, ARIZONA

4. Project Title	7. Project Number
MAGAZINE MODERNIZATION	114

(...continued)

assets, 37 magazines at Camp Navajo require modification. The planned phasing of this effort is as follows: Phase I, FY2000 MILCON Project P-113 (19 magazines); Phase II, FY2001 MILCON Project P-114 (8 magazines); and, Phase III, FY2002 MILCON Project P-115 (10 Magazines).

CURRENT SITUATION:

SWFPAC currently supports the TRIDENT I (C4) weapon system and maintains this operational capability. SWFPAC has adequate storage facilities for this weapon system. However, the Department of Defense directed TRIDENT II D5 backfit program requires SWFPAC to provide proper environmental, safety, and security conditions to meet the transportation, operation and storage requirements of the larger TRIDENT II (D5) missile system. This is a new/expanded mission for the SWFPAC facility.

IMPACT IF NOT PROVIDED:

The Strategic Weapons Facility, Pacific will not be able to fulfill its mission as a TRIDENT II missile facility in support of the Pacific Fleet deployment schedule, nor will it have sufficient TRIDENT I(C4) missile storage capability.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 09/99
- (C) Date Design Complete..... 05/01
- (D) Percent Complete As Of September 1999..... 35%
- (E) Percent Complete As Of January 2000..... 65%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... No
- (H) Energy study/life-cycle analysis performed..... N/A

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N69035
NAVY DETACHMENT CAMP NAVAJO, ARIZONA

4. Project Title	7. Project Number
MAGAZINE MODERNIZATION	114

(...continued)

(3) Total Cost (C) = (A) + (B) Or (D) + (E):

(A) Production of Plans and Specifications..... 157
(B) All Other Design Costs..... 104
(C) Total..... 261
(D) Contract..... 248
(E) In-House..... 13

(4) Contract Award..... 08/01

(5) Construction Start..... 09/01

(6) Construction Completion..... 05/03

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: Col Triphahn Phone No: (520) 773-3205

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62974	4. Command	5. Area Constr Cost Index
MARINE CORPS AIR STATION YUMA ARIZONA	Commandant of the Marine Corps	1.12

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	61	553	316	87	67	0	430	3,431	724	5,669
b. End FY 2006	51	500	330	116	67	0	425	3,003	731	5,223

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (462,616.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	196,840.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	8,200.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	7,200.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	7,876.00
g.	REMAINING DEFICIENCY.....	124,270.00
h.	**GRAND TOTAL.....**	**344,386.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
116.35	COMBAT A/C LOADING APRON	92,710 m2	8,200	12/98	04/02
	TOTAL		8,200		

9. Future Projects:

a. Included In The Following Program (FY 2002):

911.10	LAND ACQUISITION	1,641 AC	7,200
	TOTAL		7,200

b. Major Planned Next Three Years:

740.43	FITNESS CENTER ADD	0 LS	830
421.22	STA ORDNANCE AREA (PH I)	0 LS	7,046
	TOTAL		7,876

c. Real Property Maintenance Backlog ($000): $ 29,200

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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62974	4. Project Title
MARINE CORPS AIR STATION YUMA, ARIZONA	COMBAT AIRCRAFT LOADING APRON (CALA)

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	116.35	482	8,200

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
COMBAT AIRCRAFT LOADING APRON (CALA)	m2	92,710	-	6,510
COMBAT AIRCRAFT LOADING APRON & TAXIWAYS	m2	90,880	67	(6,090)
CREW BUILDING	m2	214	1,458	(310)
STAGING AREA	m2	1,616	27	(40)
BUILT-IN EQUIPMENT	LS	-	-	(70)
SUPPORTING FACILITIES	LS	-	-	1,230
ELECTRICAL UTILITIES	LS	-	-	(420)
MECHANICAL UTILITIES	LS	-	-	(270)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(480)
DEMOLITION	LS	-	-	(60)

SUBTOTAL	-	-	-	7,740
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	7,740
Supervision Inspection & Overhead (6.0%)	-	-	-	460

TOTAL REQUEST	-	-	-	8,200
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Concrete combat aircraft loading apron, taxiways, ordnance crew building, ordnance staging area, connecting roadways, utilities, fencing, and communications systems. Loading apron and taxiways will be a concrete slab over compacted sub base course with aircraft tiedowns and grounding grid with contact points, perimeter taxiway lights, painted deck markings, aircraft and personnel signs, concrete entrance and exit ways with taxiway lighting and shoulder stabilization on the CALA and taxiways. Ordnance crew building will be two-stories with a concrete slab, exterior masonry walls, observation windows, metal roof, interior sheet rock walls, air conditioning, fluorescent lighting, bathroom facilities, paved parking area, and storage. Ordnance Staging Area will be a paved area, a concrete pad, and a steel shade. Utilities will extend water, electrical and telephone service to the newly relocated ordnance area, will be sized to accommodate utility ducts under entrance, exit, and exit ways, and will include fire hydrants for the ordnance operations building and vehicle pad. Demolition of two structures and utilities.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62974
MARINE CORPS AIR STATION YUMA, ARIZONA

4. Project Title	7. Project Number
COMBAT AIRCRAFT LOADING APRON (CALA)	482

(...continued)

11. Requirement: 92,710 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

Construct a Combat Aircraft Loading Apron (CALA), taxiways, an ordnance crew building, roadways, and an ordnance staging area at MCAS Yuma, AZ.

Combat Aircraft Loading Apron = 92,710 m2 = 997,922 Square Feet
Combat Aircraft Loading Apron & Taxiways = 90,880 m2 = 978,224 Square Feet
Crew Building = 214 m2 = 2,303 Square Feet
Staging Area = 1,616 m2 = 17,394 Square Feet (Current mission)

REQUIREMENT:

Provide an efficient, safe, and adequately sized aircraft ordnance loading and unloading operations area that conforms to all ordnance handling, storage and flightline regulations.

CURRENT SITUATION:

With 250,000 sorties annually, MCAS Yuma manages the highest flight operations tempo in the Marine Corps. MCAS Yuma hosts numerous units annually for live ordnance and tactical flight training. In 1997 alone, 410 aircraft and 10,240 personnel in 42 rotational units spent an average of two weeks at MCAS Yuma to participate in major training evolutions such as the Weapons Training Instructor (WTI) course. In addition to its hosting mission, MCAS Yuma is also the home-port of four AV-8B Harrier squadrons. During the six week long WTI courses, Yuma's permanent and transient units must share extremely limited hangar, flightline, and ordnance loading space. These high density operations force MCAS Yuma to use the small existing Combat Aircraft Loading Apron (CALA) for overflow parking and to alternatively load live ordnance on the flightline under Chief of Naval Operations (CNO) waiver. The existing CALA does not have adequate tiedowns and grounding points to efficiently load and unload ordnance, is too small to park large aircraft, and is located far from new ordnance storage magazines that will be built as a result of a FY 2000 land acquisition purchase. This additional acreage, added to MCAS Yuma's southern boundary was justified on the basis of eliminating waivers associated with current insufficient and unsafe ordnance storage and handling operations. Once the new CALA is built, ordnance loading will not have to be performed on the flightline, and the old CALA will continue to be used as overflow parking during major training evolutions.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62974
MARINE CORPS AIR STATION YUMA, ARIZONA

4. Project Title	7. Project Number
COMBAT AIRCRAFT LOADING APRON (CALA)	482

(...continued)

IMPACT IF NOT PROVIDED:

MCAS Yuma will have to continue to load and unload ordnance along the flightline under waiver (with the associated Explosive Safety Quantity Distance (ESQD) arcs extending into inhabited buildings) and the existing CALA will continue to be used for overflow parking putting valuable aviation assets at risk.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 07/99
- (C) Date Design Complete..... 04/02
- (D) Percent Complete As Of September 1999..... 45%
- (E) Percent Complete As Of January 2000..... 65%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... N/A

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 523
- (B) All Other Design Costs..... 261
- (C) Total..... 784
- (D) Contract..... 697
- (E) In-House..... 87

(4) Contract Award..... 08/01

(5) Construction Start..... 05/02

(6) Construction Completion..... 06/04

B. Equipment associated with this project which will be provided from

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62974
MARINE CORPS AIR STATION YUMA, ARIZONA

4. Project Title	7. Project Number
COMBAT AIRCRAFT LOADING APRON (CALA)	482

(...continued)

other appropriations: NONE.

Activity POC: Cdr William Gray Phone No: (520) 341-2051

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00681	4. Command	5. Area Constr Cost Index
MARINE CORPS BASE CAMP PENDLETON CALIFORNIA	Commandant of the Marine Corps	1.1

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	286	1,066	1,542	69	5,477	0	2,213	29,019	3,908	43,580
b. End FY 2006	162	1,090	1,566	147	6,678	0	2,481	30,467	3,867	46,458

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (186,061.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	1,018,070.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	199,180.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	8,100.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	36,003.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	81,865.00
g.	REMAINING DEFICIENCY.....	427,236.00
h.	**GRAND TOTAL.....**	**1,770,454.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
179.40	INFANTRY SQ BATTLE COURSE	427 m2	4,000	07/99	08/00
179.40	ARMOR/ANTI-ARMOR TRACKING	292 m2	4,100	07/99	08/00

	TOTAL		8,100		

9. Future Projects:

a. Included In The Following Program (FY 2002):

721.11	BEQ, PICO	0 LS	14,680
721.11	BEQ	0 LS	16,606
740.43	FITNESS CENTER	10,500 SF	4,717

	TOTAL		36,003

b. Major Planned Next Three Years:

721.11	BEQ, SAN MATEO	0 LS	17,303
721.11	BEQ	0 LS	14,458
721.11	BEQ	0 LS	10,625
721.11	BEQ	0 LS	11,437
721.11	BEQ	0 LS	11,153
740.43	FITNESS CENTER	24,600 SF	11,813
179.40	CLOSE COMBAT PISTOL COURSE	0 LS	1,026
179.40	INFANTRY SQ DEFENSE RANGE	0 LS	4,050

	TOTAL		81,865

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00681	4. Command	5. Area Constr Cost Index
MARINE CORPS BASE CAMP PENDLETON CALIFORNIA	Commandant of the Marine Corps	1.1

(...continued)

c. Real Property Maintenance Backlog ($000): $ 38,600

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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00681	4. Project Title
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	INFANTRY SQUAD BATTLE COURSE

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	179.40	633	4,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
INFANTRY SQUAD BATTLE COURSE	m2	427	-	1,140
RANGE CONTROL TOWER	m2	48	4,432	(210)
OPERATIONS STORAGE BUILDING	m2	74	1,004	(70)
AMMUNITION BREAKDOWN BUILDING	m2	11	2,409	(30)
GENERAL INSTRUCTION BUILDING (2)	m2	148	1,034	(150)
HEAD WITH AERATED VAULT	m2	44	2,689	(120)
BLEACHER ENCLOSURE (2)	m2	102	828	(80)
STATIONARY INFANTRY TARGET EMPLACEMENTS	LS	-	-	(160)
MOVING INFANTRY TARGET EMPLACEMENTS	LS	-	-	(50)
HOSTILE FIRE SIMULATOR EMPLACEMENTS	LS	-	-	(20)
TRENCHES W/ WOODEN RETAINING WALLS & BUNKER	LS	-	-	(190)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
SUPPORTING FACILITIES	LS	-	-	2,630
ELECTRICAL UTILITIES	LS	-	-	(1,430)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(1,200)
SUBTOTAL	-	-	-	3,770
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	3,770
Supervision Inspection & Overhead (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,000
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	580

10. Description of Proposed Construction

Infantry Squad Battle Course with two range control towers, an operations/storage building, an ammunition breakdown building, two general instruction buildings, two field restrooms, two bleacher enclosures, emplacement of stationary and moving infantry targets, emplacement of hostile fire simulators, and trenches with wood retaining walls and bunker. Project includes underground cabling for remoted target system (RETS) installation, target system wiring, lightening protection, electrical power and necessary utilities, controlled environments in buildings, telephone cabling, transformer, public address system, paving and site improvements (including site preparation, safety berms, Arizona

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00681
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA

4. Project Title	7. Project Number
INFANTRY SQUAD BATTLE COURSE	633

(...continued)
crossing for existing creek and erosion protection, concrete sidewalks), night training lights at initial position fire line, and security lighting and signs for range lateral limits.

11. Requirement: 427 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:
Constructs an Infantry Squad Battle Course for MCB Camp Pendleton, CA.

Infantry Squad Battle Course = 427 m2 = 4,596 Square Feet
Range Control Tower = 48 m2 = 517 Square Feet
Operations Storage Building = 74 m2 = 797 Square Feet
Ammunications Breakdown Building = 11 m2 = 118 Square Feet
General Instruction Building (2) = 148 m2 = 1,593 Square Feet
Head with Aerated Vault = 44 m2 = 474 Square Feet
Bleacher Enclosure (2) = 102 m2 = 1,098 Square Feet (Current mission)

REQUIREMENT:

Replace antiquated range with a state-of-the-art range that provides automated feedback and scoring to accommodate new weapons and training requirements employed by the Marine Corps. The range is required for infantry squad offensive training, basic marksmanship training, familiarization with various weapons and maintenance of proficiency in field firing techniques.

CURRENT SITUATION:

Currently, there is no existing range at MCB Camp Pendleton capable of supporting the required training provided on an Infantry Squad Battle Course. Per a 1989 report called the Land Training Area Requirements Study (LATAR), Pendleton rates 52 small arms ranges in order to effectively train Marines per Individual Marine Training Standards. With 46 existing ranges, of which only 28 are considered adequate, Pendleton needs upgrade or construction of 24 additional ranges. The existing 1950's vintage ranges are old, deteriorated, antiquated, and do not provide automated feedback or scoring. Too small in size, and outfitted with hard-wire pop-up target systems, most of the existing ranges are incapable of supporting the new, more powerful weapons in the Marine Corps inventory or of accommodating the moving targets of the standard modern training devices now used called Remoted Target Systems (RETS). A modern Infantry Squad Battle Course with RETS equipment and automated scoring feedback is needed for offensive fire and maneuver training, basic

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00681
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA

4. Project Title	7. Project Number
INFANTRY SQUAD BATTLE COURSE	633

(...continued)

marksmanship training, familiarization with various weapons, and to maintain proficiency in field firing techniques for entry level Marines who are being trained in their primary infantry MOS. Since no such range currently exists at Camp Pendleton, entry level Marines receive formal instruction on new weapons and techniques, but they can only partially and largely ineffectively simulate live-fire combat drills on the old ranges using stationary targets that provide no feedback or scoring to the student or instructor.

IMPACT IF NOT PROVIDED:

MCB Camp Pendleton units will continue to train on the inadequate local ranges which will erode their live-fire proficiency and ultimately affect their readiness to perform effectively in combat.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 07/99
- (B) Date Design 35% Complete..... 09/99
- (C) Date Design Complete..... 08/00
- (D) Percent Complete As Of September 1999..... 35%
- (E) Percent Complete As Of January 2000..... 65%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... N/A

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 223
- (B) All Other Design Costs..... 150
- (C) Total..... 373
- (D) Contract..... 354
- (E) In-House..... 19

(...continued)

(4) Contract Award..... 12/00

(5) Construction Start..... 01/01

(6) Construction Completion..... 01/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Remoted Target System (RETS)	PMC	2001	580

Activity POC: Cdr Mark Sarles Phone No: (619) 725-5641

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00681	4. Project Title
MARINE CORPS BASE CAMP PENDLETON CALIFORNIA	ARMOR/ANTI-ARMOR TRACKING RANGE

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	179.40	634	4,100

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
ARMOR/ANTI-ARMOR TRACKING RANGE	m2	292	-	2,140
CONTROL TOWER UPGRADE	m2	24	2,000	(50)
RELOCATE CONTROL TOWER & SUPPLY/MAINT BLDG	m2	172	807	(140)
OPERATIONS/STORAGE BUILDING	m2	74	987	(70)
FIELD HEAD WITH AERATED VAULT	m2	22	2,644	(60)
DEFILADES	LS	-	-	(120)
ARMOR MOVING TARGET EMPLACEMENT	LS	-	-	(1,260)
REORIENT EXISTING AMTC EMPLACEMENT	LS	-	-	(250)
STATIONARY ARMOR TARGET EMPLACEMENT	LS	-	-	(70)
REORIENT EXISTING STATIONARY ARMOR EMPL	LS	-	-	(60)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
SUPPORTING FACILITIES	LS	-	-	1,730
ELECTRICAL UTILITIES	LS	-	-	(600)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(1,130)

SUBTOTAL	-	-	-	3,870
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	3,870
Supervision Inspection & Overhead (6.0%)	-	-	-	230

TOTAL REQUEST	-	-	-	4,100
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	1,248

10. Description of Proposed Construction

Armor/Anti-Armor Tracking Range to include underground cabling for remoted target system (RETS) installation, upgrade control tower/equipment with environmental control, operations/storage facility, head facilities, stationary and moving tank targets, site preparation, tracking and access roads, drainage, lighting, electrical and utilities, telephone, and removal/demolition of existing range structures.

11. Requirement: 292 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

Construct an Armor/Anti-Armor Tracking Range for Marines training at MCB Camp Pendleton, CA.

Armor/Anti-Armor Tracking Range = 292 m2 = 3,143 Square Feet

(Continued On DD 1391C)

(...continued)

Control Tower Upgrade = 24 m2 = 258 Square Feet
Relocate Control Tower & Supply/Maint. Bldg = 172 m2 = 1,851Square Feet
Operations/Storage Building = 74 m2 = 797 Square Feet
Field Head with aerated Vault = 22 m2 = 237 Square Feet (Current mission)

REQUIREMENT:

Replace antiquated ranges and provide state-of-the-art RETS (Remoted Target System) range for the armor and anti-armor tracking weapons systems employed by the Marine Corps (including the Dragon, TOW, AT-4 shoulder launched anti-armor weapon, M2 .50 caliber machine gun, 25mm gun, and 120mm tank cannon). The range is required to train Marines in the techniques of engaging armored vehicle type targets with medium and heavy anti-armor weapons, for field tracking excercises, and for qualification excercises with tracking and launching trainers.

CURRENT SITUATION:

Currently, MCB Camp Pendleton has only 4 of 16 ranges upgraded to current standards for live fire training with the Remoted Target System (RETS). Specifically, Armor/Anti-armor live fire training is conducted on a deteriorating 1950's vintage range located at the northeast corner of Camp Pendleton. The range has only 3 moving targets (vice the 15 required), can handle only platoon sized formations (vice the required company-sized formations), and provides very primitive feedback to users (vice the sophisticated feedback a full RETS will provide). Training scenarios are extremely limited for the two Light Armored Vehicle (LAV) battalions and LAV school, the battalion of Assault Amphibious Vehicles (AAVs) and AAV school, the two reserve Tank Companies stationed at Camp Pendleton, and the 1st Tank Battalion from 29 Palms, CA who currently use the range. Additionally, the current range is oriented within 1 kilometer of the base boundary and often must be closed during the June-October fire season because of dangers to the off-base community posed from fires started in the impact area. The upgraded range would reorient the range to impact live rounds more than 2 km from the base boundary, thus reducing base liability and increasing community confidence in the safety of Camp Pendleton ranges.

IMPACT IF NOT PROVIDED:

The old range will continue to be used with its low pop-up target density, limited feedback, small unit size capability, lack of capability to handle

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00681
MARINE CORPS BASE CAMP PENDLETON CALIFORNIA

4. Project Title	7. Project Number
ARMOR/ANTI-ARMOR TRACKING RANGE	634

(...continued)

new armor/anti-armor weapons systems, and frequent check fires for fire protection to the local community. This will adversely affect live fire and anti-armor tracking proficiency and ultimately affect readiness because Marines will not be fully trained or prepared to perform their mission in combat.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 07/99
- (B) Date Design 35% Complete..... 09/99
- (C) Date Design Complete..... 08/00
- (D) Percent Complete As Of September 1999..... 35%
- (E) Percent Complete As Of January 2000..... 65%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... N/A

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 223
- (B) All Other Design Costs..... 150
- (C) Total..... 373
- (D) Contract..... 354
- (E) In-House..... 19

(4) Contract Award..... 03/01

(5) Construction Start..... 04/01

(6) Construction Completion..... 04/02

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

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00681
MARINE CORPS BASE CAMP PENDLETON CALIFORNIA

4. Project Title	7. Project Number
ARMOR/ANTI-ARMOR TRACKING RANGE	634

(...continued)

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Remoted Target System (RETS)	PMC	2002	1248

Activity POC: Cdr Mark Sarles Phone No: (619) 725-5641

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63042	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION LEMOORE CALIFORNIA	Commander in Chief Pacific Fleet	1.15

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	618	3,835	872	0	0	0	43	202	0	5,570
b. End FY 2006	837	4,731	1,078	0	0	0	43	202	0	6,891

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	(29,823.00)
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	433,709.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	1,580.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	8,260.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	5,472.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	21,758.00
g.	REMAINING DEFICIENCY.....	1,058,210.00
h.	**GRAND TOTAL.....**	**1,528,989.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
721.11	BEQ	3,230 m2	8,260	01/99	04/01
	TOTAL		8,260		

9. Future Projects:

a. Included In The Following Program (FY 2002):

211.03	CORROSION CNTL HANGAR	11,150 SF	5,472
	TOTAL		5,472

b. Major Planned Next Three Years:

721.11	BEQ	19,193 m2	21,758
	TOTAL		21,758

c. Real Property Maintenance Backlog ($000): $ 106,312

10. Mission Or Major Functions:

Maintain and operate facilities and provide services and materials to support the aviation assets and operations of the Pacific Fleet. This base is the homeport for all Pacific Fleet Light Attack (F/A-18) Squadrons and Replacement Training Squadrons.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63042	4. Project Title
NAVAL AIR STATION LEMOORE CALIFORNIA	BACHELOR ENLISTED QUARTERS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204696N	721.11	201	8,260

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
BACHELOR ENLISTED QUARTERS	M2	3,230	-	6,240
BUILDING	M2	3,230	1,891	(6,110)
TECHNICAL OPERATING MANUALS	LS	-	-	(30)
INFORMATION SYSTEMS	LS	-	-	(100)
SUPPORTING FACILITIES	LS	-	-	1,550
ELECTRICAL UTILITIES	LS	-	-	(330)
MECHANICAL UTILITIES	LS	-	-	(550)
PAVING & SITE IMPROVEMENTS	LS	-	-	(490)
DEMOLITION	LS	-	-	(180)

SUBTOTAL	-	-	-	7,790
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	7,790
Supervision Inspection & Overhead (6.0%)	-	-	-	470

TOTAL REQUEST	-	-	-	8,260
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Construct three three-story apartment-type structures and a core building of similar construction. Provide sidewalks, parking, landscaping, extension/realignment of roads, utility connections, and other on-site improvements. Design and Construction must comply with criteria for a Seismic Zone 4 location. Included is the demolition of an existing utility system.

Project will provide 38 "2+0" modules consisting of two 2-sailor rooms, each with a semi-private bath.

Intended grade mix: 152 E1-E4
Maximum utilization: 152 E1-E4.

11. Requirement: 1,150 PN Adequate: 997 PN Substandard: 0 PN

PROJECT:
Constructs a multi-story apartment-type facility with a central core building containing supporting facilities associated with the cluster of building apartments.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63042
NAVAL AIR STATION LEMOORE CALIFORNIA

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	201

(...continued)

Bachelor Enlisted Quarters = 3,230 m2 = Square Feet
Building = 3,230 Square Feet (Current mission)

REQUIREMENT:

Adequate berthing facilities are required for junior enlisted personnel.

CURRENT SITUATION:

Existing Bachelor Enlisted Quarters (BEQ) have been, or will be, renovated. This will result in a deficiency of 152 BEQ spaces. This project will satisfy these deficiencies.

IMPACT IF NOT PROVIDED:

If this project is not constructed, the activity will be unable to provide adequate and secure berthing for personnel assigned to the Air Station. Off-base housing is not available. Additionally, the E1-E4 PN require berthing that is accessible to their work stations.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
(A) Date Design Started..... 01/99
(B) Date Design 35% Complete..... 11/99
(C) Date Design Complete..... 04/01
(D) Percent Complete As Of September 1999..... 20%
(E) Percent Complete As Of January 2000..... 45%
(F) Type of Design Contract..... Design Build
(G) Parametric Estimate used to develop cost..... Yes
(H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
(A) Standard or Definitive Design: Yes
(B) Where Design Was Most Recently Used:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63042
NAVAL AIR STATION LEMOORE CALIFORNIA

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	201

(...continued)

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 150
(B) All Other Design Costs..... 150
(C) Total..... 300
(D) Contract..... 250
(E) In-House..... 50

(4) Contract Award..... 12/00

(5) Construction Start..... 05/01

(6) Construction Completion..... 06/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

C. FY 1999 Unacccompanied Housing Real Property Maint Conducted ($000)
7637
D. FY 2000 Unacccompanied Housing Real Property Maint Conducted ($000)
10990
E. Future Unacccompanied Housing Real Property Maint Requirements ($000)
30969
Activity POC: CDR PAUL GERNER Phone No: (559) 998-4091

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67865	4. Command	5. Area Constr Cost Index
MARINE CORPS AIR STATION MIRAMAR CALIFORNIA	Commandant of the Marine Corps	1.1

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	98	835	251	49	56	0	865	6,666	529	9,349
b. End FY 2006	104	683	625	72	61	0	1,026	7,214	1,314	11,099

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	23,606.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	7,350.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	4,227.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	4,144.00
g.	REMAINING DEFICIENCY.....	366,080.00
h.	**GRAND TOTAL.....**	**405,407.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
179.40	GROUND COMBAT TRAINING	399 m2	7,350	03/99	09/00
	TOTAL		7,350		

9. Future Projects:

a. Included In The Following Program (FY 2002):

* 441.30	HAZ/MAT STORAGE	0 LS	4,227		
	TOTAL		4,227		

b. Major Planned Next Three Years:

740.43	FITNESS CENTER	0 LS	4,144		
	TOTAL		4,144		

c. Real Property Maintenance Backlog ($000): $ 61,100

10. Mission Or Major Functions:

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

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 4,227

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67865	4. Project Title
MARINE CORPS AIR STATION MIRAMAR, CALIFORNIA	GROUND COMBAT TRAINING RANGE

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	179.40	050	7,350

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
GROUND COMBAT TRAINING RANGE	m2	399	-	5,040
RANGE CONTROL BUILDINGS	m2	48	3,750	(180)
GENERAL INSTRUCTION BUILDING	m2	148	1,017	(150)
OPERATIONS/STORAGE BUILDING	m2	74	987	(70)
FIELD SERVICE HEAD	m2	44	2,644	(120)
AMMO BREAKDOWN BUILDING	m2	11	2,389	(30)
SMALL ARMS REPAIR	m2	74	987	(70)
RIFLE RANGE FIRING LINE (FIRING POINTS)	LS	-	-	(880)
RIFLE TARGET LINE	LS	-	-	(570)
RIFLE BAFFLE	LS	-	-	(940)
RIFLE IMPACT BERM	LS	-	-	(260)
RIFLE LOMAH SYSTEM	LS	-	-	(1,250)
PISTOL RANGE	LS	-	-	(460)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
SUPPORTING FACILITIES	LS	-	-	1,890
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(1,450)
DEMOLITION	LS	-	-	(50)

SUBTOTAL	-	-	-	6,930
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	6,930
Supervision Inspection & Overhead (6.0%)	-	-	-	420

TOTAL REQUEST	-	-	-	7,350
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Rifle and Pistol Range construction which includes grading, berming, import fill, lime stabilization, erosion control, impact berms, Portland Cement Concrete (PCC) protection walls, backstops with bullet traps, firing line enclosures, baffles, and automatic targets with the Location of Miss And Hit (LOMAH) system. Range control building includes office and classroom space, an armory, a ready service locker, a target repair/storage area, sound attenuation, and restrooms. Supporting

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67865
MARINE CORPS AIR STATION MIRAMAR, CALIFORNIA

4. Project Title	7. Project Number
GROUND COMBAT TRAINING RANGE	050

(...continued)
facilities include repairing the existing access road, connecting to existing utility systems, developing a sanitary waste system, force protection features (such as fencing, intrusion detection system), a fire protection system, a telecommunication/information system, a heating, ventilation, and air conditioning (HVAC) system, paving and site improvements, construction to seismic zone 4 criteria, environmental mitigation, and technical operating manuals.

11. Requirement: 399 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

(1) Constructs a baffled 30 to 550 meter rifle range with fifty (50) firing lanes, an enclosed firing line, a minimum capability to fire 5.56 mm rifle (M-16), a capability of 7.62 rifle (M-14) ammunition, automatic targets, and the Location of Miss and Hit (LOMAH) system.

(2) Constructs a baffled 3 to 46 meter pistol range with twenty-five (25) firing lanes, an enclosed firing line that is capable of firing either 9mm or .45 caliber ammunition, automatic targets, and the LOMAH system.

(3) Constructs a range control building with office and classroom space, an armory, a ready service locker, a target repair/storage area, and restrooms.

Ground Training Range = 399 m2 = 4,295 Square Feet
Range Control Buildings = 48 m2 = 517 Square Feet
General Instruction Building = 148 m2 = 1,593 Square Feet
Operations/Storage Building = 74 m2 = 797 Square Feet
Field Service Head = 44 m2 = 474 Square Feet
Ammo Breakdown Building = 11 m2 = 117 Square Feet
Small Arms Repair = 74 m2 = 797 Square Feet (Current mission)

REQUIREMENT:

Adequate outdoor rifle and pistol ground combat training ranges and support facilities are required to qualify 12,500 MCAS Miramar Marines on the rifle and 5,750 Marines on the pistol, annually, per U.S. Marine Corps Individual Training Standards (ITS) and 3rd Marine Air Wing, Reserves, and military police training objectives.

CURRENT SITUATION:

MCAS Miramar's existing substandard rifle range was closed in 1997 due to

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67865
MARINE CORPS AIR STATION MIRAMAR, CALIFORNIA

4. Project Title	7. Project Number
GROUND COMBAT TRAINING RANGE	050

(...continued)

the unsafe proximity of new aircraft flight patterns over the impact berm, environmental and deterioration problems, and safety zones which extended outside the air station boundaries and over the explosive overhaul route. Currently, Miramar Marines must travel 5 hours round trip to MCB Camp Pendleton to conduct their annual week-long rifle qualification training. Marines must also travel similar distances to MCAS El Toro for their annual pistol qualifications. The use of these distant ranges places a severe constraint on MCAS Miramar units to effectively conduct aircraft flight and maintenance operations because large numbers of personnel are missing from the units at any given time 46 weeks of the year. Range availability to Miramar Marines will severely degrade by the end of 1999 when the Camp Pendleton rifle range closes for the construction on that site of a Helicopter Outlying Landing Field (HOLF) and the MCAS El Toro pistol range shuts down due to base closure actions. Miramar units will then have to compete with local MCB Camp Pendleton units for use of the remaining rifle ranges on the base and have little recourse for pistol qualifications.

IMPACT IF NOT PROVIDED:

MCAS Miramar Marines' combat readiness and live-fire proficiency, as well as the aircraft readiness of the air station, will continue to be seriously degraded by the loss of manpower associated with the transport of Marines to the distant MCB Camp Pendleton 46 weeks per year for rifle and pistol marksmanship training.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:

(A) Date Design Started	03/99
(B) Date Design 35% Complete	09/99
(C) Date Design Complete	09/00
(D) Percent Complete As Of September 1999	35%
(E) Percent Complete As Of January 2000	60%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/life-cycle analysis performed	Yes

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67865
MARINE CORPS AIR STATION MIRAMAR, CALIFORNIA

4. Project Title	7. Project Number
GROUND COMBAT TRAINING RANGE	050

(...continued)

(2) Basis:
(A) Standard or Definitive Design: No
(B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 400
(B) All Other Design Costs..... 295
(C) Total..... 695
(D) Contract..... 660
(E) In-House..... 35

(4) Contract Award..... 03/01

(5) Construction Start..... 03/01

(6) Construction Completion..... 09/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: Tony Ray Phone No: (714) 726-4341

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N65888	4. Command	5. Area Constr Cost Index
NAVAL AVIATION DEPOT NORTH ISLAND, CALIFORNIA	Naval Air Systems Command	1.1

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	2,009	13,313	7,594	0	0	0	214	837	0	23,967
b. End FY 2006	1,981	14,122	7,373	0	0	0	183	704	0	24,363

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	0.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	4,340.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	2,336.00
g.	REMAINING DEFICIENCY.....	6,000.00
h.	**GRAND TOTAL.....**	**12,676.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
211.35	COMPONENT REP CLEAN RM FAC	790 m2	4,340	03/99	06/01
	TOTAL		4,340		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

211.95	SUPPORT EQUIP MAT STAGING	1,860 m2	2,336
	TOTAL		2,336

c. Real Property Maintenance Backlog ($000): $ 15,897

10. Mission Or Major Functions:

Perform a complete range of depot level rework operations on designated weapons systems, accessories, and equipments; provide engineering services for development of changes of hardware design; furnish technical services on aircraft maintenance and logistics problems; and perform, upon specific request, other aircraft maintenance. Depot Rework of Aircraft: F-4, F/A-18, C-2, E-2, H-46, F-14 Depot Rework of Engines: J79, T58, T64, LM1500, LM2500, F404

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N65888	4. Project Title
NAVAL AVIATION DEPOT NORTH ISLAND, CALIFORNIA	COMPONENT REPAIR CLEAN ROOM FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0702096N	211.35	728	4,340

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
COMPONENT REPAIR CLEAN ROOM FACILITY	M2	790	4,071	3,220
SUPPORTING FACILITIES	LS	-	-	880
MECHANICAL UTILITIES	LS	-	-	(470)
ELECTRICAL UTILITIES	LS	-	-	(250)
DEMOLITION & SITE IMPROVEMENTS	LS	-	-	(160)
SUBTOTAL	-	-	-	4,100
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	4,100
Supervision Inspection & Overhead (6.0%)	-	-	-	240
TOTAL REQUEST	-	-	-	4,340
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Conversion of spaces within an existing building to construct a Clean Room with prefabricated insulated walls, floor and ceiling panels, air conditioning, heating, humidity and particulate control systems, entry air shower, restrooms, change area, fire protection system, mechanical and electrical utilities, site improvements, demolition of existing overhead electrical bus ducts and rails for hoists; abatement of asbestos and lead paint.

11. Requirement: 790 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:
Converts existing space at Naval Aviation Depot (NADEP) North Island to a Clean Room for hydraulic component repair.

Component Repair Clean Room Facility = 790 m2 = 8,503 Square Feet (Current mission)

REQUIREMENT:

Adequate and properly configured Classified Controlled Environment Facility is required to meet guidelines for repairing aircraft components in an environmentally controlled facility.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N65888
NAVAL AVIATION DEPOT NORTH ISLAND, CALIFORNIA

4. Project Title	7. Project Number
COMPONENT REPAIR CLEAN ROOM FACILITY	728

(...continued)

CURRENT SITUATION:

The existing components are not processed in a Classified Controlled Environment. There are twelve (12) separate areas that are used to process components. Only two (2) areas have any form of temperature control, and the areas do not meet any of the requirements for a Classified Controlled Environment. The remaining areas are general shop areas that have no temperature control.

IMPACT IF NOT PROVIDED:

Components requiring processing in a Classified Controlled Environment will continue to be processed in facilities that do not meet the requirements. Without the required temperature, humidity, and especially particulate control, components risk being contaminated during the repair process. Contamination can cause failure resulting in a potential for failure during flight, and ultimately loss of life and aircraft.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 03/99
- (B) Date Design 35% Complete..... 09/00
- (C) Date Design Complete..... 06/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 5%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 0
- (B) All Other Design Costs..... 220
- (C) Total..... 220

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N65888
NAVAL AVIATION DEPOT NORTH ISLAND, CALIFORNIA

4. Project Title	7. Project Number
COMPONENT REPAIR CLEAN ROOM FACILITY	728

(...continued)

(D) Contract..... 170
(E) In-House..... 50

(4) Contract Award..... 12/00

(5) Construction Start..... 09/01

(6) Construction Completion..... 08/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: CDR MICHAEL GIORGIONE Phone No: (619) 545-1113

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00246	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION, NORTH ISLAND SAN DIEGO CA	Commander in Chief Pacific Fleet	1.74

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	1,857	12,918	7,824	0	0	0	158	149	0	22,906
b. End FY 2006	1,898	13,348	5,847	0	0	0	158	149	0	21,400

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (48,719.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	628,610.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	21,660.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	3,680.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	42,175.00
g.	REMAINING DEFICIENCY.....	381,384.00
h.	**GRAND TOTAL.....**	**1,077,509.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
141.40	AIRCRAFT OPS BLDG	1,740 m2	8,860	03/99	08/01
152.20	BERTHING WHARF (PH II)	13,681 m2	12,800	05/98	06/99
	TOTAL		21,660		

9. Future Projects:

a. Included In The Following Program (FY 2002):

112.10	REPAIR TAXIWAY 2 EAST	0 LS	3,680
	TOTAL		3,680

b. Major Planned Next Three Years:

151.50	REPLACE NOTS PIER	0 LS	4,455
721.11	BACHELOR ENLISTED QUARTERS	0 LS	37,720
	TOTAL		42,175

c. Real Property Maintenance Backlog ($000): $ 152,805

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. Helicopter Airlift Squadrons, Reserve Squadrons, ASW Helicopter Squadrons (SH-2, SH-60), Submarine Development Group, Carrier-Based ASW Squadrons (S-3), Deep Submergence Vehicles, Carrier-Based ASW Helicopter Squadrons, Commander, Naval Air Forces, (SH-3), Pacific Naval Aviation Depot,

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00246	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION, NORTH ISLAND SAN DIEGO CA	Commander in Chief Pacific Fleet	1.74

(...continued)

Marine Barracks Helicopter Training Squadrons, S-3 ASW Training Squadron, Carrier On-Board Delivery. Squadron Aircraft Carrier Homeport Fleet Flag Ship

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00246	4. Project Title
NAVAL AIR LANDING FIELD SAN CLEMENTE ISLAND, CA	AIRCRAFT OPERATIONS BLDG (SAN CLEMENTE)

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204696N	141.40	577	8,860

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
AIRCRAFT OPERATIONS BLDG (SAN CLEMENTE)	M2	1,740	-	6,160
BUILDING	M2	776	2,880	(2,230)
CONTROL TOWER	M2	366	4,442	(1,630)
RADAR TRAFFIC CENTER	M2	598	3,847	(2,300)
SUPPORTING FACILITIES	LS	-	-	2,200
ELECTRICAL UTILITIES	LS	-	-	(740)
MECHANICAL UTILITIES	LS	-	-	(360)
PAVING & SITE IMPROVEMENTS	LS	-	-	(630)
DEMOLITION	LS	-	-	(470)

SUBTOTAL	-	-	-	8,360
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	8,360
Supervision Inspection & Overhead (6.0%)	-	-	-	500

TOTAL REQUEST	-	-	-	8,860
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Construct a two story Aircraft Operations Building, a seven story Control Tower with observation deck, and a one story Radar Traffic Control Center, (RATCC). Buildings will have steel frame, concrete walls, concrete foundation and floor, concrete topping over metal deck for structural roof systems. Aircraft Operations Building will house the administration of flight operational activities with supporting functions including, but not limited to airfield management, flight support, flight planning, flight scheduling, communications, weather services, and all supporting functions. RATCC includes Instrument Flight Rules (IFR) Control Room, equipment rack storage for communications terminal equipment, ground electronics maintenance shop and storage, training room, ready room, office space, unrestricted power source (UPS), emergency generator, and all supporting functions (storage, bathrooms, showers, etc.). Construction of supporting facilities includes electrical and mechanical utilities, paving, site improvements and demolition of five existing air operations facilities.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00246
NAVAL AIR LANDING FIELD SAN CLEMENTE ISLAND, CA

4. Project Title	7. Project Number
AIRCRAFT OPERATIONS BLDG (SAN CLEMENTE)	577

(...continued)

11. Requirement: 1,740 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Constructs an Aircraft Operations Building, Control Tower, Radar Air Traffic Control Center facility at the Naval Auxiliary Landing Field (NALF), San Clemente Island.

Aircraft Operations Building = 1,740 m2 = 18,729 Square Feet
Building = 776 m2 = 8,353 Square Feet
Control Tower = 366 m2 = 3,939 Square Feet
Radar Traffic Center = 598 m2 = 6,437 Square Feet (Current mission)

REQUIREMENT:

Adequate and efficiently configured Air Operations Building, Control Tower, and RATCC facility are required to replace the existing deteriorated, corroded and undersized temporary airfield facilities with new construction in order to provide adequate facilities to support installation of new air traffic control (ATC) systems. Replacement of the existing, deteriorated, inadequate Control Tower with a properly sited facility is required in order to provide visibility for the entire runway and apron, and also eliminate an Airfield Safety Waiver. In addition, replacement of the existing undersized, temporary, deteriorated metal facility housing Air Operations is required to provide adequate space for flight control (flight support, flight planning, flight scheduling, air operations administration), communications and weather services.

CURRENT SITUATION:

Air Traffic Control (ATC) is comprised of three 8 foot by 40 foot trailers - self contained/powered with environmental and grounding systems which are out-of-date, lack current safety precautions and are not reliable. There is a lack of adequate space to allow installation of additional and future ATC equipment and systems.

The Control Tower is in poor condition and suffers from excessive deterioration and corrosion throughout. The metal structure has deteriorated due to the harsh marine environment at NALF San Clemente Island. Additionally, the location of the existing Control Tower is 62 feet within the Primary Surface (1,500 feet wide air field safety surface level within and centered on the runway centerline) of the airfield. Airfield Safety Waiver SC-2 permits the Tower to obstruct the Primary

(...continued)

Surface of Runway 5/23.

Air Operations is located in an undersized, temporary, deteriorated metal facility which negatively impacts operational readiness. Air operations lacks adequate space for flight control (flight support, flight planning, flight scheduling, air operations administration, etc.), communications and weather services functions.

IMPACT IF NOT PROVIDED:

Without the construction of this project, NALF San Clemente Island will not receive the National Air Space System Modernization (NASMOD) ATC equipment upgrades that are scheduled for FY02 installation.

The Control Tower will continue to deteriorate further in the harsh marine environment, and will remain in violation of airfield safety criteria.

Air Operations will continue to be housed in an undersized, deteriorating, metal facility which negatively impacts operational readiness. Air operations will continue to lack adequate space for flight control, communications and weather services functions.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 03/99
- (B) Date Design 35% Complete..... 09/00
- (C) Date Design Complete..... 08/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 5%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00246
NAVAL AIR LANDING FIELD SAN CLEMENTE ISLAND, CA

4. Project Title	7. Project Number
AIRCRAFT OPERATIONS BLDG (SAN CLEMENTE)	577

(...continued)

(3) Total Cost (C) = (A) + (B) Or (D) + (E):

(A) Production of Plans and Specifications	0
(B) All Other Design Costs	760
(C) Total	760
(D) Contract	570
(E) In-House	190

(4) Contract Award..... 12/00

(5) Construction Start..... 09/01

(6) Construction Completion..... 08/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: CDR MICHAEL GIORGIONE Phone No: (619) 545-1113

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00246	4. Project Title
NAVAL AIR STATION NORTH ISLAND, SAN DIEGO, CA	BERTHING WHARF (INCREMENT II)

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204696N	152.20	700B	Auth 0 Appr 12,800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
BERTHING WHARF (INCREMENT II)	M2	13,681	-	29,580
WHARF	M2	10,874	2,354	(25,600)
INTEGRATED LOGISTICS OVERHAUL BUILDING	M2	2,110	965	(2,040)
FLEET RECREATION CENTER	M2	465	1,144	(530)
EQUIPMENT LAYDOWN BUILDING	M2	232	1,013	(240)
PORTAL CRANE SYSTEM	LS	-	-	(1,120)
TECHNICAL OPERATING MANUALS	LS	-	-	(50)
SUPPORTING FACILITIES	LS	-	-	20,830
MECHANICAL UTILITIES	LS	-	-	(4,200)
ELECTRICAL UTILITIES	LS	-	-	(5,000)
SITE IMPROVEMENTS	LS	-	-	(2,540)
DEMOLITION	LS	-	-	(3,300)
DREDGING	LS	-	-	(2,500)
ENVIRONMENTAL MITIGATION	LS	-	-	(3,290)

SUBTOTAL	-	-	-	50,410
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	50,410
Supervision Inspection & Overhead (6.0%)	-	-	-	3,020

SUBTOTAL	-	-	-	53,430
LESS INCREMENT I (FY00)	LS	-	-	-40,630

TOTAL REQUEST	-	-	-	12,800
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	3,200

10. Description of Proposed Construction

27.4 M by 396.3 M concrete wharf and laydown area with dike and fill area behind the wharf; integrated logistics support building, fleet recreation center, and enclosed equipment laydown building; extension of existing portal crane rail system; mechanical systems include steam, condensate, low pressure compressed air, fresh water, pure water, salt water (for fire protection, cooling, and flushing), sanitary sewer, oily water, jet fuel and diesel marine fuel, and mechanical utilities; electrical systems include installation of a new underground 15KV primary underground distribution to the pier, 4160V secondary pier power and 480V industrial

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00246
NAVAL AIR STATION NORTH ISLAND, SAN DIEGO, CA

4. Project Title	7. Project Number
BERTHING WHARF (INCREMENT II)	700B

(...continued)
power distribution system, a new double-ended substation, pier fire alarm, utility control system, lighting and communications (fiber optics lines for telephones, television, local area networks), and electrical utilities; site improvements include security fence, relocation of ferry landing, access roads, parking area restoration, landscaping, and sitework; demolition of existing Pier J/K; dredging of 190,400 m3 (249,034 cubic yards) and disposal of dredge spoils; environmental mitigation (water column replacement, eelgrass, kelp, terns, herons and pelicans); and, technical operating manuals.

11. Requirement: 13,681 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:
Provides berthing for a nuclear carrier (CVN) in the berthing basin at Naval Air Station (NAS) North Island.

Berthing Wharf = 13,681 m2 = 147,261 Square Feet
Wharf = 10,874 m2 = 117,047 Square Feet
Integrated Logistics Overhaul Building = 2,110 m2 = 22,712 Square Feet
Equipment Laydown Building = 465 m2 = 5,005 Square Feet
Portal Crane System = 232 m2 = 2,497 Square Feet (New mission)

REQUIREMENT:

Adequate berthing structures are required to accommodate deep draft CVNs, including operational storage space and necessary utilities and mooring hardware. Three CVN berths are required at North Island; two berths to accommodate homeported CVNs and a third berth to support transient CVNs. The transient berth already exists, and one berth for a homeported CVN is currently under construction. This project provides berthing for a second homeported CVN.

CURRENT SITUATION:

Berth L-M is the only NAS North Island berth available for use by a nuclear-powered warship. Currently, this berth supports transient CVNs and other visiting Navy ships. This berth provides direct land access from the ship berth to an airfield for essential air wing logistics support, including aircraft onloads and offloads. In addition, PACNORWEST CVNs conduct their operational training in the Southern California Fleet Operating Areas. The only carrier accessible airfield is at NAS North Island. Therefore, this berth must be retained primarily for use as a transient berth to provide essential logistics support to PACNORWEST CVNs.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00246
NAVAL AIR STATION NORTH ISLAND, SAN DIEGO, CA

4. Project Title	7. Project Number
BERTHING WHARF (INCREMENT II)	700B

(...continued)

In addition, Berth L-M is not intended or designed to support the level of depot maintenance that must be accomplished at the new CVN homeporting/ maintenance wharfs.

IMPACT IF NOT PROVIDED:

NAS North Island will not be able to provide a homeport/maintenance berth for additional homeported CVNs and still maintain transient CVN support capability for PACNORWEST CVNs. Three CVNs, which conduct operational training in the Southern California (SOCAL) Fleet Operating Areas, are scheduled to be homeported in the PACNORWEST. Without this project, a transient berth will not be available to provide logistics support for PACNORWEST CVNs; this would severely impact the Pacific Fleet's ability to provide maintenance support for PACNORWEST CVNs operating and training in the SOCAL area.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 05/98
- (B) Date Design 35% Complete..... 01/98
- (C) Date Design Complete..... 06/99
- (D) Percent Complete As Of September 1999..... 100%
- (E) Percent Complete As Of January 2000..... 100%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... No
- (H) Energy study/life-cycle analysis performed..... Yes

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 3310
- (B) All Other Design Costs..... 1660
- (C) Total..... 4970
- (D) Contract..... 4420
- (E) In-House..... 550

(...continued)

(4) Contract Award..... 10/00

(5) Construction Start..... 10/00

(6) Construction Completion..... 01/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
CRANE RAIL EQUIPMENT	APN	2001	3200

Activity POC: CDR MICHAEL GIORGIONE Phone No: (619) 545-1113

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N68936	4. Command	5. Area Constr Cost Index
NAVAL AIR WARFARE CENTER POINT MUGU	Naval Air Systems Command	1.07

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	236	1,460	2,830	0	0	0	67	79	0	4,672
b. End FY 2006	293	1,615	3,040	0	0	0	67	79	0	5,094

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	0.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	11,400.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	17,898.00
g.	REMAINING DEFICIENCY.....	74,228.00
h.	**GRAND TOTAL.....**	**103,526.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
319.40	RANGE OPS CTR ADDN & ALTER	12,785 m2	11,400	12/98	04/01

	TOTAL		11,400		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

151.60	SURFACE TRANS FAC SNI	103,306 m2	17,898		

	TOTAL		17,898		

c. Real Property Maintenance Backlog ($000): $ 7,177

10. Mission Or Major Functions:

Provides research, development, test, evaluation, and in-service engineering for weapons systems associated with air warfare, including missiles and missile subsystems, airborne electronic warfare systems, and aircraft weapons integration. Also operates and maintains station facilities and provides support services for assigned tenants and activities.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N68936	4. Project Title
NAVAL AIR WARFARE CENTER, WEAPONS DIV POINT MUGU, CALIFORNIA	RANGE OPERATIONS CENTER ADDITION/ALTS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0605001N	319.40	031	11,400

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
RANGE OPERATIONS CENTER ADDITION/ALTS	m2	12,785	-	8,590
BUILDING ADDITION	m2	2,763	1,683	(4,650)
BUILDING ALTERATIONS	m2	10,022	270	(2,710)
SPECIAL FEATURES	LS	-	-	(1,140)
TECHNICAL OPERATING MANUALS	LS	-	-	(90)
SUPPORTING FACILITIES	LS	-	-	2,170
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(500)
ELECTRICAL UTILITIES	LS	-	-	(440)
MECHANICAL UTILITIES	LS	-	-	(520)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(580)
DEMOLITION	LS	-	-	(130)

SUBTOTAL	-	-	-	10,760
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	10,760
Supervision Inspection & Overhead (6.0%)	-	-	-	640

TOTAL REQUEST	-	-	-	11,400
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Two-story concrete masonry structure with pile foundation, built-up roof, raised computer floor, laboratory/technical areas, service elevator; special features, including: radio frequency emission controls, electromagnetic shielding, telephone system, vault, sound transmission coefficient (STC) 45 requirements, seismic upgrade; intrusion detection systems, physical security, ducting for communication and data cable, fire protection and sprinkler system, energy management and control system, air conditioning, utilities, parking and site improvements, control center renovation, and demolition of existing trailers.

11. Requirement: 12,785 m2 Adequate: 0 m2 Substandard: 10,022 m2

PROJECT:

Constructs an addition and provides alterations to an existing range operations center.

Range Operations Ctr Addition & Alterations = 12,785 m2 = 137,617 Square

(Continued On DD 1391C)

(...continued)

Feet
Building Addition = 2,763 m2 = 29,741 Square Feet
Building Alterations = 10,022 m2 = 107,876 Square Feet (Current mission)

REQUIREMENT:

Adequate range operations facilities are required to safely and efficiently support the current mission of the Sea Range. The Range Operations Center (ROC) needs to be expanded and the existing buildings need to be renovated and remodeled. The new addition to the existing Range Operations Center will accommodate some of the major operational functions necessary to support the ROC's mission. The existing structures will be modified and upgraded to correct architectural and engineering problems.

CURRENT SITUATION:

The existing facility was originally constructed to accommodate the equipment designs that existed in the 1940s and 1950s. Modern equipment is designed and built with a different architectural concept. Range systems are continually upgraded and expanded to keep pace with the testing needs of modern weapons. The existing facility has severe quality of life problems associated with handicapped access and restroom facilities. Because of a lack of sufficient and appropriate space in the building, some engineering work, operations planning efforts, and parts of the maintenance efforts have been accomplished in trailers located adjacent to the complex. Range customers have no space to prepare for an operation or discuss last minute details and have to rent operational spaces to meet these needs. Because of the need to be near their stations, range operators cannot leave the building to attend pre and post-operation discussions.

IMPACT IF NOT PROVIDED:

Continued impact on operational efficiencies and workplace quality of life. Due to lack of adequate space in the existing range operations building; all operational planning and engineering, and portions of the maintenance requirement will continue to be housed in separate trailers. Also, due to lack of space in the existing building to conduct pre- and post-operation discussions, range operators still will not be able to participate in these critical discussions. Failure to support the implementation of the requirements defined herein will delay the

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N68936
NAVAL AIR WARFARE CENTER, WEAPONS DIV POINT MUGU, CALIFORNIA

4. Project Title	7. Project Number
RANGE OPERATIONS CENTER ADDITION/ALTS	031

(...continued)

integration of the West Coast Ranges and test facilities on a year-for-year basis. Delay in fully implementing support for new programs and systems such as Cooperative Engagement Capability, Ballistic Missile Defense projects, and missile update programs will result.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 09/99
- (C) Date Design Complete..... 04/01
- (D) Percent Complete As Of September 1999..... 35%
- (E) Percent Complete As Of January 2000..... 65%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 598
- (B) All Other Design Costs..... 398
- (C) Total..... 996
- (D) Contract..... 946
- (E) In-House..... 50

(4) Contract Award..... 12/00

(5) Construction Start..... 05/01

(6) Construction Completion..... 10/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: CDR CHRISTOPHER ROTH Phone No: 805-989-8501

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63394	4. Command	5. Area Constr Cost Index
NAVAL SURFACE WARFARE CENTER PORT HUENEME CALIFORNIA	Naval Sea Systems Command	1.07

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	230	3,258	3,310	0	98	0	96	132	0	7,124
b. End FY 2006	220	3,202	4,025	0	211	0	96	132	0	7,886

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	71,129.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	10,200.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	19,800.00
h.	**GRAND TOTAL.....**	**101,129.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
315.30	WEAPN COMBAT SYS INTEG LAB	6,730 m2	10,200	12/98	05/01
	TOTAL		10,200		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 8,115

10. Mission Or Major Functions:

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

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63394	4. Project Title
PT HUENEME DIV, NAV SURFACE WARFARE CTR PORT HUENEME, CALIFORNIA	WEAPON/COMBAT SYSTEMS INTEGRATION LAB

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0702096N	315.30	016	10,200

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
WEAPON/COMBAT SYSTEMS INTEGRATION LAB	M2	6,730	-	8,070
WEAPON/COMBAT INTEGRATION LABORATORY	M2	6,730	1,153	(7,760)
INFORMATION SYSTEMS	LS	-	-	(130)
BUILT-IN EQUIPMENT	LS	-	-	(90)
TECHNICAL OPERATING MANUALS	LS	-	-	(90)
SUPPORTING FACILITIES	LS	-	-	1,550
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(240)
EARTHWORK	LS	-	-	(300)
DEMOLITION	LS	-	-	(790)

SUBTOTAL	-	-	-	9,620
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	9,620
Supervision Inspection & Overhead (6.0%)	-	-	-	580

TOTAL REQUEST	-	-	-	10,200
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	2,350

10. Description of Proposed Construction

Two story structural steel building with: masonry and precast concrete exterior; built up roof on insulated metal decking; spread-footing concrete foundation on engineered fill; gas fired space and hot water heating; fire protection and alarm systems; security vaults; elevators; air conditioning to support a large amount of computers and electronic equipment; structural reinforcement for seismic zone four; technical operating manuals (dual language); site utilities; paving and site improvements. Project includes demolition of 16 buildings and termination of a commercial lease.

11. Requirement: 6,730 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Project provides a consolidated engineering and computer center for direct, real-time fleet support to trouble shoot and resolve problems detected in fleet weapon/combat systems on ships deployed worldwide.

(Continued On DD 1391C)

(...continued)

Weapon/Combat Systems Integration Lab = 6,730 m2 = 72,441 Square Feet (Current mission)

REQUIREMENT:

Consolidated adequate and properly configured electronic laboratory facilities are required to support integrated work teams that provide real-time fleet support. As the In-Service Engineering Agent, the activity is responsible for total maintenance, testing, and logistic support of combat/weapon systems throughout the systems service life. Support includes integrated testing to verify and validate computer programs that control operational performance and safety of the combat systems before release to the fleet as well as real time problem solving and enhancements during the life of the system. Combat/weapon systems supported include: the newly introduced Integrated Ship Self Defense; Target Acquisition; NATO Evolved Sea Sparrow Missile; Rolling Airframe Missile; Rapid Anti-ship Integrated Defense; Standard Missile; Battle Force Tactical Trainer; and Cooperative Engagement Capability Systems.

CURRENT SITUATION:

Engineers, technicians and logisticians are working in inadequate and substandard facilities dispersed in multiple locations. Inadequate power systems and limited communications interconnectivity cannot support required team integration. Communication connectivity with the fleet is extremely limited. Computer program testing, trouble shooting and maintenance are inefficiently performed due to space, power, structural and location shortcomings of the existing multiple facilities. Power outages result in lost productivity, and power shortcomings prohibit establishing vital electronic links. These 30 to 50-year old structures do not comply with current building codes and seismic standards, have deteriorated beyond economical repair, and contain many violations of the Americans with Disabilities Act (ADA). Additionally, training is conducted in leased facilities and some combat/weapon system engineering work is being performed in private sector facilities (i.e., contractor facilities). The hardware in these facilities is not always in suitable control configuration to enable Navy independent verification and validation of system fixes and new capabilities to counter evolving global threat to U.S. and allied interests.

IMPACT IF NOT PROVIDED:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63394
PT HUENEME DIV, NAV SURFACE WARFARE CTR PORT HUENEME, CALIFORNIA

4. Project Title	7. Project Number
WEAPON/COMBAT SYSTEMS INTEGRATION LAB	016

(...continued)

The Integrated Ship Self Defense System, Battle Force Tactical Trainer, and Cooperative Engagement Capability will not be effectively supported. Rapid and accurate assessment of system upgrades and new elements, particularly computer programs, and isolation of the root cause of fleet reported system problems/malfunctions will be hindered. Accessibility, safety and electrical deficiencies in at least 13 buildings will remain uncorrected.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 07/99
- (C) Date Design Complete..... 05/01
- (D) Percent Complete As Of September 1999..... 45%
- (E) Percent Complete As Of January 2000..... 65%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used: DSGN BUILD

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 25
- (B) All Other Design Costs..... 110
- (C) Total..... 135
- (D) Contract..... 50
- (E) In-House..... 85

(4) Contract Award..... 12/00

(5) Construction Start..... 06/01

(6) Construction Completion..... 06/02

B. Equipment associated with this project which will be provided from

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63394
PT HUENEME DIV, NAV SURFACE WARFARE CTR PORT HUENEME, CALIFORNIA

4. Project Title	7. Project Number
WEAPON/COMBAT SYSTEMS INTEGRATION LAB	016

(...continued)

other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
LAN Router Equipment	OPN	2001	410
Systems Furniture	NIF	2001	1820
Telephones	NIF	2001	120

Activity POC: CDR THOMAS BERSSON Phone No: 805-982-4741

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00245	4. Command	5. Area Constr Cost Index
NAVAL STATION SAN DIEGO CALIFORNIA	Commander in Chief Pacific Fleet	1.1

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	1,906	19,824	5,813	0	0	0	72	866	0	28,481
b. End FY 2006	1,773	20,583	5,351	0	0	0	178	2,589	0	30,474

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (1,518.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	412,460.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	35,700.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	14,813.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	91,706.00
g.	REMAINING DEFICIENCY.....	314,690.00
h.	**GRAND TOTAL.....**	**869,369.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
151.50	PIER REPLACEMENT (PH I)	0 LS	35,700	03/99	11/01
	TOTAL		35,700		

9. Future Projects:

a. Included In The Following Program (FY 2002):

151.50	PIER REPLACEMRENT (PH II)	750,000 SF	14,813
	TOTAL		14,813

b. Major Planned Next Three Years:

721.12	BEQ	29,100 m2	37,074
151.50	REPLACE BERTHING PIER	16,254 m2	48,038
165.10	UPGRADE PIER 6	0 LS	6,594
	TOTAL		91,706

c. Real Property Maintenance Backlog ($000): $ 46,910

10. Mission Or Major Functions:

Provide homeport facilities for approximately 54 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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00245	4. Project Title
NAVAL STATION SAN DIEGO, CALIFORNIA	BERTHING PIER (INCREMENT I)

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204796N	151.50	326	Auth 53,200 Appr 35,700

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
BERTHING PIER (INCREMENT I)	LS	-	-	45,550
PIER STRUCTURE	M2	16,731	1,111	(18,590)
PIER UTILITIES	LS	-	-	(9,800)
FENDER SYSTEM	m	922	3,959	(3,650)
DREDGING - (OCEAN DISPOSAL)	M3	211,000	16	(3,380)
DREDGING - (UPLAND DISPOSAL)	m3	211,000	48	(10,130)
SUPPORTING FACILITIES	LS	-	-	4,650
SHORE UTILITIES	LS	-	-	(2,100)
DEMOLITION AND REMOVAL	LS	-	-	(2,550)

SUBTOTAL	-	-	-	50,200
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	50,200
Supervision Inspection & Overhead (6.0%)	-	-	-	3,000

SUBTOTAL	-	-	-	53,200
LESS INCREMENT II (FY02)	LS	-	-	-17,500

TOTAL REQUEST	-	-	-	35,700
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	1,170

10. Description of Proposed Construction

Permanent concrete pier of 36.6 M (120 ft) wide by 444.4 M (1,458 ft) long to support 90 ton truck crane operation; concrete and plastic fendering system with foam-filled fenders and plastic log camels; utilities: freshwater, wastewater, compressed air, oily waste, electrical, mechanical utilities including telephone and fire alarm; cable television and energy savings systems, fiber optics cable for a computer network, pier lighting, guard house, and vending/telephone infra-structure; information systems; dredging to -11.3 M (-37 ft) mean lower low water (MLLW); provide for ocean disposal of suitable dredge materials and disposal of unsuitable dredge materials by use of a Confined Disposal Facility (CDF); supporting facilities include shore utilities and the demolition and removal of two existing piers.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00245
NAVAL STATION SAN DIEGO, CALIFORNIA

4. Project Title	7. Project Number
BERTHING PIER (INCREMENT I)	326

(...continued)

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:
Constructs a new, concrete pier with complete shore utilities support.

Pier Structure = 16,731 m2 = 180,091 Square Feet
Fender System = 922 m = 3,025 Linear Feet
Dredging - = 211,000 m3 = 275,978 Cubic Yards (Current mission)

REQUIREMENT:

Adequate berthing is required to support the Naval Station San Diego, which is the Pacific Fleet's homeport for many large deck ships (such as Amphibious Assault - LHA/LHDs) and surface combatant classes including the newest guided missile cruisers and destroyers. These ships are categorized as deep draft/power intensive (DDPI) ships due to the requirement for electrical power to operate the communications suites and other electronic equipment. As of FY 1997, 19 DDPIs and 4 PI ships are assigned to the Naval Station. There are 17 DDPI berths which are in adequate condition. A 67% in-port loading factor is normally assumed to determine the required number of DDPI berths. However, operational tasking historically results in the loss of entire piers for ships repairs and training (single nesting), visiting ships and foreign ships berthing, ship decommissioning (single berth), and repairs/upgrades. The LHA/LHDs are not as power intensive as combatants, and their lengths take over entire piers, thereby eliminating berths that could be used to deliver the necessary power to truly DDPI combatants. This situation further complicates the berthing configuration and makes this project more necessary.

CURRENT SITUATION:

Existing Piers 10 and 11 are 1940s construction with insufficient power capabilities; are structurally deteriorated beyond economical repair; are structurally unsound; have inadequate utilities; have insufficient space for loading and unloading operations; have insufficient water depth for load out; and in general, are incapable of operationally supporting the Fleet.

IMPACT IF NOT PROVIDED:

The Naval Station will be unable to adequately support the waterfront

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00245
NAVAL STATION SAN DIEGO, CALIFORNIA

4. Project Title	7. Project Number
BERTHING PIER (INCREMENT I)	326

(...continued)
requirements of the Pacific Fleet, especially homeported ships that require DDPI berths.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 03/99
- (B) Date Design 35% Complete..... 04/00
- (C) Date Design Complete..... 11/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 25%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 750
- (B) All Other Design Costs..... 2270
- (C) Total..... 3020
- (D) Contract..... 2570
- (E) In-House..... 450

(4) Contract Award..... 04/01

(5) Construction Start..... 12/01

(6) Construction Completion..... 04/03

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

(...continued)

HOSES, BROWS, PLATFORMS	O&MN	1999	500
POWER ASSEMBLY, WINCH, FLOATS,	OPN	1999	670

Activity POC: CDR FRANCIS WIEGAND, JR Phone No: (619) 556-1308

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67399	4. Command	5. Area Constr Cost Index
MARINE CORPS AIR GROUND COMBAT CENTER TWENTYNINE PALMS, CALIFORNIA	Commandant of the Marine Corps	1.29

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	102	663	706	55	2,093	0	527	6,842	689	11,677
b. End FY 2006	106	654	629	45	2,920	0	696	7,547	1,177	13,774

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (605,616.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	452,070.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	2,100.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	42,826.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	42,888.00
g.	REMAINING DEFICIENCY.....	752,490.00
h.	**GRAND TOTAL.....**	**1,292,374.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
179.40	URBAN ASSAULT COURSE	568 m2	2,100	01/99	11/00
	TOTAL		2,100		

9. Future Projects:

a. Included In The Following Program (FY 2002):

171.35	MULTI-PURPOSE TANK COURSE	0 LS	10,464
721.11	BEQ	0 LS	16,181
721.11	BEQ	0 LS	16,181
	TOTAL		42,826

b. Major Planned Next Three Years:

722.10	ENLISTED DINING FAC	2,044 m2	8,251
722.10	ENLISTED DINING FAC	0 LS	8,374
171.10	STUDENT INDEPENDENT STUDY	0 LS	1,441
721.11	BEQ	0 LS	15,655
214.55	VEHICLE WASH STATION	0 LS	3,364
171.10	ACADEMIC INST BLDG	0 LS	5,803
	TOTAL		42,888

c. Real Property Maintenance Backlog ($000): $ 49,800

10. Mission Or Major Functions:

Provide housing, training facilities, logistical, and administrative support

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67399	4. Command	5. Area Constr Cost Index
MARINE CORPS AIR GROUND COMBAT CENTER TWENTYNINE PALMS, CALIFORNIA	Commandant of the Marine Corps	1.29

(...continued)

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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67399	4. Project Title
MARINE CORP AIR-GROUND COMBAT CTR TWENTYNINE PALMS, CALIFORNIA	URBAN ASSAULT COURSE

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	179.40	542	2,100

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
URBAN ASSAULT COURSE	m2	568	-	560
RANGE CONTROL TOWER	m2	24	4,550	(110)
OPERATION/STORAGE BUILDING	m2	74	1,083	(80)
FIELD SERVICE HEAD WITH FIELD LINES	m2	22	4,741	(100)
COVERED MESS	m2	71	399	(30)
VAULT AND FIGHT	LS	-	-	(10)
CLEARING TECHNIQUES BUILDING	LS	-	-	(10)
GRENADIER GUNNARY	LS	-	-	(10)
DESTINY DOORWAY	LS	-	-	(10)
DODGE CITY	LS	-	-	(20)
SHOOTING HOUSE	m2	377	431	(160)
TECHNICAL OPERATING MANUALS	LS	-	-	(20)
SUPPORTING FACILITIES	LS	-	-	1,420
ELECTRICAL UTILITIES	LS	-	-	(80)
MECHANICAL UTILITIES	LS	-	-	(20)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(1,320)
SUBTOTAL	-	-	-	1,980
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	1,980
Supervision Inspection & Overhead (6.0%)	-	-	-	120
TOTAL REQUEST	-	-	-	2,100
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	450

10. Description of Proposed Construction

Military Operations on Urban Terrain (MOUT) Training Complex will be constructed of heavy wooden timbers capable of withstanding 80 mph wind gusts, treated for weather protection and preservation. Earth berms with wooden barriers will be provided for safety protection between the various facilities and the two other ranges located in the vicinity of the MOUT. Electrical power and conduit for computer cables will be included. Facilities will include a range control observation tower, an operation/storage building, a field service head with field lines, a covered mess, a vault and fight, a clearing techniques building, a grenadier gunnery, a destiny doorway, a Dodge City, and a shooting house.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67399
MARINE CORP AIR-GROUND COMBAT CTR TWENTYNINE PALMS, CALIFORNIA

4. Project Title	7. Project Number
URBAN ASSAULT COURSE	542

(...continued)
Buildings will be of one and two story construction with and without stairways and capable of having remotely engaged targets appear in windows, doorways, and rooms. The target storage will be a pre-engineered metal building on a concrete floor slab.

11. Requirement: 568 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:
Constructs a live firing range for urban assault training consisting of the following scenarios: Vault and Fight, Clearing Techniques, Grenadier Gunnery, Destiny Doorway, Dodge City, and an indoor shooting house.

Urban Assault Course = 568 m2 = 6,114 Square Feet
Range Control Tower = 24 m2 = 258 Square Feet
Operation/Storage Building = 74 m2 = 797 Square Feet
Field Service Head with Field Lines = 22 m2 = 237 Square Feet
Covered Mess = 71 m2 = 765 Square Feet
Shooting House = 377 m2 = 4,058 Square Feet (Current mission)

REQUIREMENT:

An adequate live fire range is required for urban assault training at the Marine Corps Air Ground Combat Center (MCAGCC), Twentynine Palms, CA. The Marine Corps training philosophy revolves around the combined use of simulation and live fire events to prepare Marines for combat operations. Simulation allows Marines to initially learn techniques while saving ammunition. Live fire allows Marines to realize the effects and dangers of various weapons systems in a controlled environment before experiencing them in real combat.

CURRENT SITUATION:

Annually, over 33,000 Marines train during 10 Combined Arms Exercises (CAX) at the Marine Corps Air Ground Combat Center (MCAGCC) Twentynine Palms, CA in a multitude of live-fire training scenarios. The MCAGCC's large, open expanse allows the Marine Corps to conduct live fire operations up to the battalion and regimental level without endangering anyone. Currently, the MCAGCC has only open-air live fire desert training ranges on the Center and thus cannot conduct live fire indoor or urban warfare training. Although Marine Corps Bases Camp Pendleton, CA and Camp Lejeune, NC, and several Army bases, have urban assault courses (called "Military Operations in Urban Terrain" or "MOUT" facilities), they are simulation facilities that can only be used with blank ammunition and

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67399
MARINE CORP AIR-GROUND COMBAT CTR TWENTYNINE PALMS, CALIFORNIA

4. Project Title	7. Project Number
URBAN ASSAULT COURSE	542

(...continued)

cannot be upgraded to handle live-fire training due to safety fan and material design constraints. Because of their proximity to the local communities, the relatively small size of their home bases, and the fact that these simulation MOUTs were not built to withstand the constant damage that would result from the use of live ammunition, these existing ranges cannot be upgraded for live fire use. Consequently, Twentynine Palms, as the Marine Corps' only live-fire combined arms training center, is the ideal location for a live-fire urban trainer. In the desert, far from encroaching civilian populations, an urban assault course capable of withstanding the destructive impact of real ammunition will meet explosive safety fan and spacial criteria and adequately provide CAX units basic instruction in live-fire urban assault techniques.

IMPACT IF NOT PROVIDED:

Marine units training at MCAGCC Twentynine Palms will not receive required basic training in live-fire urban assault techniques, will have to rely on simulated urban assault training, and will ultimately be less prepared for combat operations in urban environments. Marines participating in annual combined arms exercises (CAXs) at the MCAGCC will be limited to open-air desert environment scenarios.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 01/99
- (B) Date Design 35% Complete..... 09/99
- (C) Date Design Complete..... 11/00
- (D) Percent Complete As Of September 1999..... 35%
- (E) Percent Complete As Of January 2000..... 65%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... N/A

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used: CAMP PENDL

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67399
MARINE CORP AIR-GROUND COMBAT CTR TWENTYNINE PALMS, CALIFORNIA

4. Project Title	7. Project Number
URBAN ASSAULT COURSE	542

(...continued)

(3) Total Cost (C) = (A) + (B) Or (D) + (E):

(A) Production of Plans and Specifications..... 106
(B) All Other Design Costs..... 70
(C) Total..... 176
(D) Contract..... 167
(E) In-House..... 9

(4) Contract Award..... 03/01

(5) Construction Start..... 04/01

(6) Construction Completion..... 11/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Targeting	PMC	2002	450

Activity POC: LCdr R.W. Siegfried Phone No: (619) 830-6654

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00129	4. Command	5. Area Constr Cost Index
NAVAL SUBMARINE BASE NEW LONDON, CONNECTICUT	Commander in Chief Atlantic Fleet	1.04

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	702	5,393	1,115	0	598	0	17	11	0	7,836
b. End FY 2006	695	5,515	1,192	0	671	0	17	11	0	8,101

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (1,258.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	791,578.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	3,100.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	406,004.00
h.	**GRAND TOTAL.....**	**1,200,682.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
159.64	DRYDOCK SUPPORT FACILITY	0 LS	3,100	03/99	05/00
	TOTAL		3,100		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 109,492

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 Fleet Ballistic Missile submarine off-crews. Submarine Support Facility Submarine Squadron Two Submarine Medical Center (Hospital) Naval Undersea Medical Institute Submarine School Submarine Development Squadron 12 Submarine Medical Research Laboratory

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00129	4. Project Title
NAVAL SUBMARINE BASE NEW LONDON, CONNECTICUT	DRYDOCK SUPPORT FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204896N	159.64	429	3,100

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
DRYDOCK SUPPORT FACILITY	LS	-	-	2,680
DRYDOCK SUPPORT FACILITY	M2	676	1,709	(1,160)
FENDER SYSTEM	M	123	3,075	(380)
TRANSFER BRIDGE	LS	-	-	(1,110)
BUILT IN EQUIPMENT	LS	-	-	(30)
SUPPORTING FACILITIES	LS	-	-	240
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(20)
SITE IMPROVEMENTS	LS	-	-	(40)
DEMOLITION	LS	-	-	(20)

SUBTOTAL	-	-	-	2,920
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	2,920
Supervision Inspection & Overhead (6.0%)	-	-	-	180

TOTAL REQUEST	-	-	-	3,100
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Provides a 676m2 (55m x 12m) finger pier east of Mooring Platform "A" with steel transfer bridge to the existing floating drydock (ARDM-4). Pier construction consists of epoxy coated steel pipe piles with concrete bents and deck with fender system and cathodic protection. Selected demolition at quaywall along with electrical, mechanical, fencing, and cathodic protection upgrades at Pier 15. Miscellaneous fixtures including: bollards, cleats, and additional utility outlets.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:
Provides a finger pier for improved access to the existing floating drydock (ARDM-4) to allow more efficient and safe Submarine Selected Restricted Availabilities (SRA) and Submarine Intermediate Maintenance Availabilities (IMA).

Drydock Support Facility = 676 m2 = 7,276 Square Feet
Fender System = 123 M = 123 Linear Feet (Current mission)

(Continued On DD 1391C)

(...continued)

REQUIREMENT:

An adequate finger pier is required for improved access to floating drydock ARDM-4 to insure fleet readiness through efficient and safe drydock operations at SUBASE New London. The FY00 decommissioning of the ARDM-4 will shift the operational demands to the remaining drydock. SRA's are expected to increase for the ARDM 4 from four per year, average 45 days each, to five, and from four emergency events per year, average 23 days each, to an average of six per year requiring drydock services. Total days needed to satisfy these requirements, including approximately 16 days to cut and place the support block cradle (1.5 days per docking for eleven dockings), with current ARDM-4 berthing configuration is 379 working days, which exceeds the current capacity of 356 working days per year. ARDM-4 operations must become more efficient to satisfy these requirements.

CURRENT SITUATION:

Pier 15 currently supports berthing of floating dry-dock ARDM-4 on its north side; the southern side is used for submarine berthing. The unusual configuration of Pier 15, which features a large "cut out" in the north side deck, severely constrains vehicular and pedestrian access to ARDM-4 and provides little more than a 30' wide "catwalk" for work area and staging of equipment and supplies. Due to the tight turning radii required to navigate around the cut out, and the inadequate width of the surrounding deck, direct vehicular access to the ARDM is very limited. Conflicting requirements for access by sludge trucks, pure water trucks, personnel trailers and cranes constantly interfere with effective pier operations for the ARDM as well as for the submarine berths.

The only access from Pier 15 to the interior of the drydock is a 12 ft opening with a 5 ft wide pedestrian ramp in the drydock wall. During an SRA, this opening is used for running cables, sludge hoses and water hoses, as well as for movement of equipment and supplies, and for personnel access to and from the dry-dock basin. This congestion results in personnel tripping hazards, limited ability to use forklifts and frequent blocking of the 12 FT fire lane. Any items that cannot be moved through this opening must be hoisted by crane over the top of the 60 ft. bulkhead. Because most trailer trucks cannot back onto the pier, supplies must first be unloaded from delivery trucks by hand or forklift, and transferred to a point on the pier where the drydock crane can lift them

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00129
NAVAL SUBMARINE BASE NEW LONDON, CONNECTICUT

4. Project Title	7. Project Number
DRYDOCK SUPPORT FACILITY	429

(...continued)

over the wall. For any lift exceeding 12 tons, a floating crane must be used. During start-up, an average of 300 drydock crane lifts are made per week by the starboard side crane, which has the only access to the pier. The port crane cannot reach the pier in its current configuration.

IMPACT IF NOT PROVIDED:

If not provided, SUBASE New London will be unable to adequately reduce the duration of SRA's performed by ARDM-4 to allow for the additional SRA without losing the capability to perform six emergency events per year. Estimated annual cost savings of $544K will not be realized. Safety of Navy personnel and submarine assets will continue to be jeopardized due to the inaccessibility of the pier areas in emergencies. The cost to perform one emergent repair at a local commercial drydock is approximately $1,100,000. ($50,000 docking fees and $350,000 per week times three weeks).

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 03/99
- (B) Date Design 35% Complete..... 10/99
- (C) Date Design Complete..... 05/00
- (D) Percent Complete As Of September 1999..... 30%
- (E) Percent Complete As Of January 2000..... 60%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... N/A

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 198
- (B) All Other Design Costs..... 97
- (C) Total..... 295
- (D) Contract..... 250

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00129
NAVAL SUBMARINE BASE NEW LONDON, CONNECTICUT

4. Project Title	7. Project Number
DRYDOCK SUPPORT FACILITY	429

(...continued)

(E) In-House..... 45

(4) Contract Award..... 11/00

(5) Construction Start..... 01/00

(6) Construction Completion..... 06/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: Cdr Merritt Pedrick Phone No: 860-694-3541

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00171	4. Command	5. Area Constr Cost Index
COMMANDANT NAVAL DISTRICT WASHINGTON WASHINGTON DISTRICT OF COLUMBIA	Chief of Naval Operations	0.95

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	5,875	6,247	16,956	861	255	0	35	116	0	30,345
b. End FY 2006	6,061	6,147	19,824	454	275	0	35	116	0	32,912

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (704.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	865,615.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	3,700.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	2,450.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	7,566.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	4,964.00
g.	REMAINING DEFICIENCY.....	49,146.00
h.	**GRAND TOTAL.....**	**933,441.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
760.10	NAVY MUSEUM ANNEX	3,004 m2	2,450	03/99	05/01
	TOTAL		2,450		

9. Future Projects:

a. Included In The Following Program (FY 2002):

721.11	BEQ REPLACEMENT	5,520 m2	7,566
	TOTAL		7,566

b. Major Planned Next Three Years:

610.10	CONSOLIDATED SUP OP CTR	2,540 m2	4,964
	TOTAL		4,964

c. Real Property Maintenance Backlog ($000): $ 282,300

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 Support Activity Naval Data Automation Command

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00171	4. Project Title
COMMANDANT NAVAL DISTRICT WASHINGTON WASHINGTON, D. C.	NAVY MUSEUM ANNEX

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0901296N	760.10	339	2,450

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
NAVY MUSEUM ANNEX	m2	3,004	759	2,280
SUPPORTING FACILITIES	LS	-	-	30
PAVING AND SITE IMPROVEMENTS	LS	-	-	(30)
SUBTOTAL	-	-	-	2,310
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	2,310
Supervision Inspection & Overhead (6.0%)	-	-	-	140
TOTAL REQUEST	-	-	-	2,450
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Repair and renovate Building 70 at the Washington Navy Yard. Upgrade mechanical and electrical systems to provide a shell for the Navy Museum Annex. Provide gypsum wallboard partitions with insulation, new wall coverings for interior masonry walls, ceiling and insulation, floor slab, new fire safety doors, new doors and windows. Repair existing structure, including roof and clerestory, masonry walls, foundations and steel structure. Meet museum standards for climate control and lighting. Demolish interior partitions and obstructions. Provide site improvements and handicap accessibility. Museum displays and exhibits will be developed with other funds.

11. Requirement: 3,004 m2 Adequate: 0 m2 Substandard: 3,004 m2

PROJECT:

This project provides permanent Navy Museum exhibit space for scholarly research and public viewing, and expands the Navy Museum to accommodate permanent exhibits from the Cold War era, including the Korean War, Vietnam, and regional conflicts.

Navy Museum Annex = 3,004 m2 = 32,335 Square Feet (Current mission)

REQUIREMENT:

Adequate exhibit facilities are required to meet the needs of the Navy

(Continued On DD 1391C)

(...continued)

Museum and tell the story of the Cold War era. The Naval Historical Center recognizes that the role of the Navy Department in the conduct of the Cold War was extensive and vital to the protection of American interests on the seas and ashore. The conclusion of the Cold War shaped current international relations and altered the mission and composition of the military. For these reasons, the involvement of the Navy in the major conflicts, daily operations, and conclusion of war is studied by policy makers, scholars, and the public. It is also important to officially recognize the sacrifices and contributions of the sailors who served during this dramatic period. Therefore, there is a need to extend the museum's coverage of this era of history to tell the Navy's story and exhibit artifacts of the era.

CURRENT SITUATION:

The Navy Museum occupies Buildings 76 and 67 in the Navy Yard Historic District. Museum exhibit space is not now available, in existing facilities, to house Cold War exhibits, artifacts and conduct related activities. Building 70 is a contributing element of the Navy Yard historic district and is adjacent to the Navy Museum, the Navy Art Gallery, and the display ship Barry. It currently houses a submarine exhibit and curator storage; however, access to the exhibit space is restricted because the building does not meet life safety codes for public use. Environmental controls are insufficient to safely display and preserve sensitive artifacts. As a result, the building is not routinely open, and exhibits are not available for public view. The Navy Museum is authorized by Secretary of the Navy Instruction 5755.1A to be the official Navy service museum.

IMPACT IF NOT PROVIDED:

Without this renovated facility the Navy Museum will be unable to completely fulfill its mission of stewardship, mandated by public law, to display and preserve the Navy's heritage for posterity. If this facility is not renovated this important era of our nation's and navy's history will not be readily available for scholars and public display. Artifacts currently in Building 70 will continue to be exposed to an adverse preservation environment.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00171
COMMANDANT NAVAL DISTRICT WASHINGTON WASHINGTON, D. C.

4. Project Title	7. Project Number
NAVY MUSEUM ANNEX	339

(...continued)

project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 03/99
- (B) Date Design 35% Complete..... 09/99
- (C) Date Design Complete..... 05/01
- (D) Percent Complete As Of September 1999..... 35%
- (E) Percent Complete As Of January 2000..... 75%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 155
- (B) All Other Design Costs..... 75
- (C) Total..... 230
- (D) Contract..... 200
- (E) In-House..... 30

(4) Contract Award..... 02/01

(5) Construction Start..... 04/01

(6) Construction Completion..... 12/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LTJG MARK STEIN Phone No: (202) 433-2233

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M65049	4. Command	5. Area Constr Cost Index
MARINE BARRACKS, 8TH & I WASHINGTON, DISTRICT OF COLUMBIA	COMMANDANT OF THE MARINE CORPS	0.95

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	53	1,084	59	0	0	0	0	0	0	1,196
b. End FY 2006	53	962	59	0	0	0	0	0	0	1,074

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (5.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	5.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	17,197.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	6,000.00
g.	REMAINING DEFICIENCY.....	0.00
h.	**GRAND TOTAL.....**	**23,202.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
721.11	BEQ	17,848 m2	17,197	10/99	11/00
	TOTAL		17,197		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

932.20	SITE IMPROVEMENTS	0 LS	6,000
	TOTAL		6,000

c. Real Property Maintenance Backlog ($000): $ 200

10. Mission Or Major Functions:

To provide troops for ceremonial and special security purposes as directed; to maintain quarters for the Commandant of the Marine Corps and other senior officers; to operate the Marine Corps Institute; to provide administrative and logistical control for the United States Marine Band; to provide Presidential security; and to maintain one trained civil disturbance company for deployment as directed by the Commandant of the Marine Corps.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M65049	4. Project Title
WASHINGTON MARINE BARRACKS, 8TH & I ST WASHINGTON, DC	BACHELOR ENLISTED QUARTERS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0901296M	721.24	990	17,197

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
BACHELOR ENLISTED QUARTERS	m2	17,848	-	14,980
BUILDING	m2	7,055	1,423	(10,040)
BEQ SUPPORT AREA	m2	1,763	1,233	(2,170)
PARKING STRUCTURE	m2	9,030	276	(2,490)
BUILT-IN EQUIPMENT	LS	-	-	(200)
TECHNICAL OPERATING MANUALS	LS	-	-	(50)
INFORMATION SYSTEMS	LS	-	-	(30)
SUPPORTING FACILITIES	LS	-	-	1,250
SPECIAL ARCHITECTURAL FEATURES	LS	-	-	(500)
ELECTRICAL UTILITIES	LS	-	-	(50)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(490)
FORCE PROTECTION	LS	-	-	(160)

SUBTOTAL	-	-	-	16,230
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	16,230
Supervision Inspection & Overhead (6.0%)	-	-	-	967

TOTAL REQUEST	-	-	-	17,197
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	1,002

10. Description of Proposed Construction

Multi-story, brick-faced, cast stone detailed, masonry bachelor enlisted quarters (BEQ) that matches Georgian style, red-brick architecture of current 8th & I facilities and incorporates special architectural features to include hip-style roof, arcade, and slate shingles. BEQ will include 166 "2x0" configured rooms with semi-private bathrooms and walk-in closets, air-conditioning, fire protection, elevators, all utilities (including CATV cabling/telephones), mechanical equipment, laundry rooms, force protection features (such as building hardening, glass treatment, barriers), recreation areas, supply storage, janitor closets, guest restrooms, and service areas. First floor of BEQ will include supporting physical fitness area, administrative space, and Marine Corps Exchange components (convenience store, uniform shop, tailor/dry cleaner, barber shop), library/computer lounge, post office, technical operating manuals,

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M65049
WASHINGTON MARINE BARRACKS, 8TH & I ST WASHINGTON, DC

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	990

(...continued)
and paving and site improvements (to include ornate perimeter fencing and generous landscaping for architectural compatibility per National Capital Planning Commission (NCPC) requirements, sidewalks, electric substation and switchgear, water/sewer/storm drain utility tie-ins, flagpole, paving, and site lighting and signage). Parking structure will be a multi-story structure with 273 parking spaces constructed to match the architectural features of the existing 8th & I facilities and will include fire protection, utilities, and force protection features (such as sentry booths and mechanical barriers for the street entrance).

11. Requirement: 786 PN Adequate: 239 PN Substandard: 0 PN

PROJECT:
Constructs a "2x0" bachelor enlisted quarters with 166 rooms, a Support Area in the BEQ with physical fitness, recreation, and Exchange components, and a parking garage for junior enlisted personnel at Marine Barracks, 8th & I Streets, Washington D.C.

Bachelor Enlisted Quarters = 17,848 m2 = 192,114 Square Feet
Building = 7,055 m2 = 75,939 Square Feet
BEQ Support Area = l,763 m2 = 18,977 Square Feet
Parking Structure = 9,030m2 = 97,198 Square Feet (Current mission)

REQUIREMENT:

Adequate and modern bachelor housing with physical fitness, recreation, and Exchange spaces, and a parking garage for junior enlisted Marines assigned to the Marine Barracks at 8th & I. The Marine Barracks at 8th & I is situated on 4.74 acres of land in the urbanized core of southeast Washington DC. There are 12 buildings, including 5 general officer/Commanding Officer family housing quarters, on the Post. Due to site constraints, two major Marine Barracks functions are located off-site at the Washington Navy Yard (Marine Corps Institute non-resident education) and Anacostia (Motor transport). The Marine Barracks consists of over 871 Marines who provide a light infantry battalion for White House and civil disturbance security missions, formal ceremonies (parades, funerals, silent drill team, color guards), nonresident instruction management, and musical support to the President and the Commandant of the Marine Corps. Operations tempo is extremely high. Barracks Marines participate in and support over 3500 commitments annually nationwide. Over 63% of 8th&I Marines are junior enlisted personnel, and 76% of them are bachelors on their first tour.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M65049
WASHINGTON MARINE BARRACKS, 8TH & I ST WASHINGTON, DC

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	990

(...continued)

CURRENT SITUATION:

LAND ACQUISITION: Under a Memorandum of Understanding with the Washington D.C. Housing Authority, the Marine Corps has acquired 7.5 acres of land 2 blocks southwest of the current Marine Barracks. Both sites are part of the urbanized core of Southeast Washington D.C. and are surrounded by a mixture of moderate density residential, light industrial, and retail uses as well as the Washington Navy Yard. As part of the agreement with the D.C. Housing Authority, and in exchange for demolition of the condemned apartment buildings on site, the Marine Corps must construct architecturally enhancing and aesthetic "role model" facilities for economic revitalization of the urban core and also improve existing recreational areas on the new site by FY 2001. Given the Marine Barracks' significant bachelor housing and support facilities deficiencies, the DC Housing Authority's offer was accepted by the Marine Corps.

BEQ: While the Marine Barracks has a 646 junior enlisted bachelor housing manspace requirement, the existing 1970's vintage bachelor housing facility has only 274 adequate manspaces. Of these, 26 manspaces are utilized for company administrative areas due to serious admin space deficiencies on the Post. The existing BEQ space, which is undergoing extensive renovation, is also diminished by the requirement to provide locker space for the ceremonial uniforms of the 647 Barracks Marines who must commute to work. The over 250 single junior enlisted Marines who cannot be housed on the Post, plus half the population of the existing BEQ due to renovation displacement, are currently living off-base either in the Anacostia Navy or Henderson Hall Marine BEQs or on the economy receiving Basic Allowances for Housing (BAH). Those that live in area BEQs do so on temporary lease arrangements with the host units (both leases expire in Oct 2000) and live in a "foster-care" environment. For those young Marines who must rent or buy homes, quality of life is seriously degraded because, to find affordable housing, they must commute 20-100 miles round trip daily and then struggle when they get to work to find legal parking. None of the young Marines living off-Post experience the unit connectivity or benefit from the supervision provided in a parent-unit BEQ living environment. These off-base living conditions seriously compromise the readiness, rapid response capability, team bonds, and logistics efficiencies vital to the successful conduct of the Marine Barracks' mission.

SUPPORT AREA: Because their missions are always high visibility events, Barracks Marines must pay extraordinary attention to their military appearance and physical fitness and require exceptional flexibility in

(...continued)

logistical support. These Marines work long and varied hours with commitments that often require arriving at work before 0400 and departing after midnight. Barracks Marines, who support 1 to 5 events daily and change their uniforms 2 to 3 times a day, often with only 30 minutes between commitments, require immediate access to fitness areas and Exchange services (including barber shop, uniform shop, drycleaning, convenience store, and post office). Traveling to other local bases for basic exchange services cannot be accomplished within the limited time available. With the addition of over 250 Marines living on site, the need to enhance current services and to satisfy long-term deficiencies is even more critical to maintaining the high standards of readiness required of Barracks Marines. Currently, the Marine Barracks' 1975-vintage gymnasium, weight room, aerobic room, and support areas, at 11,119 square feet, provide less than half the indoor fitness area required (24,500 ft2) and have, over the years, become extremely crowded and inadequate. Consequently, many Barracks Marines choose to risk running outside through the inner city streets of Washington DC rather than to endure the crammed conditions of the indoor facilities. The existing BEQ currently has an Exchange Complex and a dining facility. However, with the construction of the new BEQ, the dining facility will have to be expanded to feed the additional 259 Marines. This expansion will extend into the spaces currently occupied by the Exchange and will require relocation of the Exchange Complex to the new BEQ.

PARKING: With a parking requirement of 574 spaces, the Barracks only has enough parking for about half the Marines who need it. Current available parking consists of a 215 space parking garage on-Post, 8 spaces in the General Officer's garages, 33 on-Post staff / visitor spaces, 53 leased spaces underneath the I-295 freeway (lease expires in FY 2000 due to construction), and approximately 38 first-come/first-serve spaces aboard the Washington Navy Yard. For the remaining approximately 300 Marines who cannot get any of the above spaces, finding parking every day is a monumental challenge. Because the National Capitol Planning Commission (NCPC) stipulates a one to three parking ratio for the National Capitol Region to decrease automobile density and promote use of mass-transit in the District, available parking in Washington DC is at a premium. Thus, to park legally in Southeast DC, Barracks Marines must park 4-5 blocks away from the Post. Given their early and late working hours, these Marines are constantly exposed to personal danger and to burglary of their vehicles. Thus, many Marines choose to risk parking illegally near the Post and to pay hundreds and often thousands of dollars in parking fines. Also, because of their unusual working hours, these junior Marines must generally own their own vehicles and cannot rely on the subway, buses, or

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M65049
WASHINGTON MARINE BARRACKS, 8TH & I ST WASHINGTON, DC

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	990

(...continued)

car-pooling to eliminate their parking problems. Finally, a parking garage is required because of force protection criteria, space constraints, and NCPC requirements.

IMPACT IF NOT PROVIDED:

Junior enlisted single Marines will continue to live off-base on the expensive economy and to commute long distances from affordable housing. Marines will also continue to have great difficulty finding parking in the dense urban area surrounding the current Marine Barracks site and expose themselves to danger and damage to their vehicles from parking far away or continue to incur large fines from parking illegally close to the Barracks. These situations will adversely affect Marines' abilities to effectively respond to their high visibility commitments, impair their quality of life by adding arduous living conditions to an already complex and challenging work schedule, and degrade the readiness of the Marine Barracks to perform its mission.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 10/99
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 11/00
- (D) Percent Complete As Of September 1999..... 0%
- (E) Percent Complete As Of January 2000..... 15%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... No
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 1095
- (B) All Other Design Costs..... 548
- (C) Total..... 1643

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M65049
WASHINGTON MARINE BARRACKS, 8TH & I ST WASHINGTON, DC

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	990

(...continued)

(D) Contract..... 1460
(E) In-House..... 183

(4) Contract Award..... 01/01

(5) Construction Start..... 04/01

(6) Construction Completion..... 05/03

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Collateral Equipment	O&M,MC	2002	1002

Activity POC: MAJ FRANK QUIGLEY Phone No: 202-433-6269

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00173	4. Command	5. Area Constr Cost Index
NAVAL RESEARCH LABORATORY WASHINGTON DISTRICT OF COLUMBIA	Chief of Naval Operations	0.95

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	20	2	2,532	0	0	0	19	128	216	2,917
b. End FY 2006	22	2	2,472	0	0	0	19	128	216	2,859

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (562.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	735,831.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	0.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	9,891.00
g.	REMAINING DEFICIENCY.....	44,900.00
h.	**GRAND TOTAL.....**	**790,622.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
310.15	NANO SCIENCE RES LAB	3,083 m2	0	10/98	07/01

None

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

310.33	CENTRAL COMPUTING FACILITY	4,561 m2	9,891
	TOTAL		9,891

c. Real Property Maintenance Backlog ($000): $ 200

10. Mission Or Major Functions:

To conduct a broadly-based multi-disciplined program of scientific research and advanced technological development directed toward new and improved materials, equipment, techniques, systems, and related operational procedures for the Navy.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00173	4. Project Title
NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA	NANO-SCIENCE RESEARCH LABORATORY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0605001N	310.15	050	Auth 12,390 Appr 0

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
NANO-SCIENCE RESEARCH LABORATORY	M2	3,083	-	9,960
BUILDING	M2	3,083	1,906	(5,880)
BUILT-IN EQUIPMENT	LS	-	-	(3,850)
INFORMATION SYSTEMS	LS	-	-	(60)
TECHNICAL OPERATING MANUALS	LS	-	-	(170)
SUPPORTING FACILITIES	LS	-	-	1,730
SPECIAL FOUNDATION FEATURES	LS	-	-	(310)
MECHANICAL UTILITIES	LS	-	-	(350)
ELECTRICAL UTILITIES	LS	-	-	(370)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(330)
DEMOLITION	LS	-	-	(370)

SUBTOTAL	-	-	-	11,690
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	11,690
Supervision Inspection & Overhead (6.0%)	-	-	-	700

SUBTOTAL	-	-	-	12,390
AMT FUNDED W/ PRIOR YR UNOBLIGATED BALANCE	LS	-	-	-12,390

TOTAL REQUEST	-	-	-	-
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Three-story, concrete frame building, with pile foundation, floating (vibration free) concrete floor, pre-cast walls, elevator, strict temperature and humidity controls, air conditioners, central deionized water distribution, central liquid nitrogen distribution, laboratory utilities, elevated walkway to existing lab building 207. Built-in equipment includes clean room, laboratory equipment, electromagnetic shielding, laboratory hoods/scrubbers, raised access flooring, slab vibration isolation, magnetic isolation, and emergency power systems. Special foundation features include piles. Technical operating manuals. Demolition of six buildings.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00173
NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA

4. Project Title	7. Project Number
NANO-SCIENCE RESEARCH LABORATORY	050

(...continued)

11. Requirement: 3,083 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Constructs a laboratory facility, with state-of-the-art clean rooms, to permit the Navy to conduct basic and exploratory research and advanced development of materials and devices in the nanometer scale (nanoscience is the emerging field of man-made materials synthesized and fabricated at the atomic and molecular levels) and technology.

Atomically Engineered Materials Facility = 3,083 m2 = 33,185 Square Feet (Current mission)

REQUIREMENT:

The Office of the Director of Defense Research and Engineering (DDR&E) has specifically requested timely construction of a nanoscience facility at the Naval Research Laboratory (NRL). DoD has made nanoscience one of the six Strategic Research Objectives in the DoD Basic Research Plan. The Office of Management and Budget and the President's Office of Science and Technology have recommended doubling nanoscience funding in the FY2001 budget.

Adequate and properly configured laboratory facilities are required to conduct basic and exploratory research, and advanced technology development for materials synthesis, processing, integration and analysis at the atomic and molecular levels. This facility will enable the development of man-made materials with future fleet readiness applications for all Naval systems and platforms. Unprecedented potential technology advancements to meet tomorrow's Naval requirements are available in nanometric electronics, superconductivity, low observables (i.e. stealth), biomolecular engineering, magneto electronics, high performance sensors, high strength/low weight structural materials, and electromagnetic propulsion systems.

Significant applications to the Fleets include: high frequency (wide bandwidth) communications for fire control, computers, electronic warfare jammers and communications that utilize one common antenna array; enhanced array detectors for guidance systems for Tomahawk missiles and other smart munitions; miniaturized sensors and actuators for reduced ship manning for damage control; low power personal communication devices; and materials for power electronic components including superconducting and magnetic materials for high efficiency propulsion systems for surface and

(...continued)

subsurface units.

This facility is the Navy's only laboratory for this type of work. NRL is the best possible location for this facility because of its superior, qualified labor pool. There is no larger single concentration of scientists and engineers in the United States working on nanoscience than is found at NRL. The NRL research effort is pushing the state of the art. Accessible facilities in academic and/or commercial sectors are not state of the art. There are only a few state of the art facilities like the proposed facility in existence in the country. In the commercial sector they are fully utilized for development and production operations and not on research, synthesis, processing, and characterization of novel nano structured materials and devices. NRL teams with academic scientists; NRL has 14 active Cooperative Research and Development Agreements with academia and industry in nanoscience. All are based on NRL developed Navy patents. NRL has licensed 9 Navy patents related to nanoscience research to industry since 1992, and has submitted 19 Navy patents in the last year resulting from nanoscience research. Private industry cannot be relied upon for this research, because it is too expensive for private industry to make initial advances.

CURRENT SITUATION:

The existing facilities, constructed between 1923 and 1945, are inadequate to support the current generation of research, due to vibration, electromagnetic and acoustic noise, inadequate utilities, and lack of high grade clean rooms. The existing facilities cannot be adapted to accommodate the vibration isolation, and clean room requirements necessary to adequately support research at the atomic and molecular levels.

IMPACT IF NOT PROVIDED:

The Department of the Navy warfighting strategy is predicated on the continued rapid advancement of electronics and sensor technology. This advancement cannot continue unless fundamental impediments at the atomic and nanometer scale are resolved. This project is critically needed to solve those issues. Current electronic technology cannot meet the Navy's need and can not be extrapolated to the nanometer scale which is required in order to meet the need. Vibration, electromagnetic noise and particulate contamination currently negatively impact the ability to develop nanometer scale materials with future fleet readiness applications, particularly improved command, control, and communications for all Naval systems and platforms.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00173
NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA

4. Project Title	7. Project Number
NANO-SCIENCE RESEARCH LABORATORY	050

(...continued)

Lack of this facility increasingly hinders or prevents the development of applications that would be of benefit to the Fleets, including: high frequency (wide bandwidth) communications for fire control, computers, electronic warfare jammers and communications that utilize one common antenna array, enhanced array detectors for guidance systems for Tomahawk missiles and other smart munitions, miniaturized sensors and actuators for reduced ship manning for damage control, low power personal communication devices, and materials for high efficiency propulsion systems for surface and subsurface units. Especially at risk is the attempt to transition the following existing efforts to the fleet in the near term (within approximately five years): missile guidance components, navigation sensors, chemical and biological sensors, radiation hardened memory, nanoelectric components, optical memory and light emitting polymers for flat panel displays. Also at risk is the attempt to transition the following existing efforts to the fleet, in the intermediate term (approximately five to ten years): surveillance, electronic warfare, and munitions delivery with autonomous decision making capability, improved turbine components, and optical computers. Materials loss due to corrosion/erosion/wear is a major expense for the Navy, estimated at one billion dollars per year. Inability to work at nanoscale prevents potential solutions to this problem. Advances in magnetoelectronics will provide a quantum jump in Naval information acquisition, processing and recording within the next two decades. NRL research leads this scientific area, but further progress is dependent upon the ability to manipulate individual atoms and clusters into the required relationships for maximum performance of the materials. The present inadequate facilities inhibit the ability to perform the necessary atomic manipulation and therefore severely limit the progress in this critical area. Advances in molecular biology will be revolutionary in the next twenty years, in large part because nanoscience enables the measurement and manipulation of single molecules. NRL is attempting to exploit this revolution to develop new technologies for casualty care and personnel monitors. Progress has been very slow, with inadequate facilities as the major cause.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:

(...continued)

(A) Date Design Started..... 10/98
(B) Date Design 35% Complete..... 09/99
(C) Date Design Complete..... 07/01
(D) Percent Complete As Of September 1999..... 35%
(E) Percent Complete As Of January 2000..... 60%
(F) Type of Design Contract..... Design Build
(G) Parametric Estimate used to develop cost..... Yes
(H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
(A) Standard or Definitive Design: No
(B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 750
(B) All Other Design Costs..... 365
(C) Total..... 1115
(D) Contract..... 1000
(E) In-House..... 115

(4) Contract Award..... 01/01

(5) Construction Start..... 03/01

(6) Construction Completion..... 03/03

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: ROBERT WALTER Phone No: 202-767-1384

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62701	4. Command	5. Area Constr Cost Index
NAVAL SURFACE WARFARE CTR DET FORT LAUDERDALE FLORIDA	Naval Sea Systems Command	0.91

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	0	0	22	0	0	0	0	0	0	22
b. End FY 2006	0	0	22	0	0	0	0	0	0	22

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	0.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	3,570.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	5,200.00
h.	**GRAND TOTAL.....**	**8,770.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
152.20	SEAWALL/SHIP BERTH FAC	0 LS	3,570	12/98	06/01
	TOTAL		3,570		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 2,160

10. Mission Or Major Functions:

Provide a littoral test and evaluation facility in a unique open water enviroment for basic research and system development for: ships', signature measurements, mine deployment and activation, oceanographic system development, and marine biology and coastal zone management.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62701	4. Project Title
NAVAL SURFACE WARFARE CENTER DETACHMENT FORT LAUDERDALE, FLORIDA	SEAWALL AND SHIP BERTHING FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0605896N	152.20	893	3,570

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
SEAWALL AND SHIP BERTHING FACILITY	LS	-	-	2,450
SHEET STEEL PILE SEAWALL	MB	61	4,941	(300)
MOORING PLATFORMS AND FENDERING SYSTEM	LS	-	-	(290)
MOORING DOLPHIN WITH CATWALK	LS	-	-	(80)
DREDGING	M3	32,000	37	(1,180)
GENERAL PURPOSE WAREHOUSE	m2	650	646	(420)
HAZMAT/HAZWASTE FACILITY	m2	111	1,648	(180)
SUPPORTING FACILITIES	LS	-	-	920
RETAINING WALL	LS	-	-	(490)
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(250)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(20)

SUBTOTAL	-	-	-	3,370
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	3,370
Supervision Inspection & Overhead (6.0%)	-	-	-	200

TOTAL REQUEST	-	-	-	3,570
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Dredge the existing wharf area over a length of 91.5 meters, from a present depth of 5.2 meters to 9.1 meters, and build two 15.2 meter concrete breasting platforms to accommodate the USNS HAYES. Install 440V/1200 amp shore power. Construct a masonry concrete warehouse to accommodate cables, electronics, arrays, and auxiliary equipment. Construct a concrete building for holding hazardous material and hazardous waste associated with ship operations. Repair sheet-piling seawall to hold back the fill material from the dredging, reclaiming approximately 1.5 acres (.61 hectares) of land.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:

The project provides permanent berthing for the USNS Hayes and consolidates personnel into a single location at the Naval Surface Warfare Center (NSWC), Carderock Division, South Florida Testing Facility (SFTF)

(Continued On DD 1391C)

(...continued)

in Fort Lauderdale, Florida.

Sheet Steel Pile Seawall = 61 MB = 200 Feet
Dredging = 32,000 M3 = 303,444 Cubic Yards
General Purpose Warehouse = 650 m2 = 6,997 Square Feet
Hazmat/Hazwaste Facility = 111 m2 = 1,195 Square Feet (Current mission)

REQUIREMENT:

Adequate wharf and operational support facilities are required to accommodate the USNS HAYES and associated project equipment and materials as part of the new South Florida Ocean Measurement Center to allow relocation of the USNS HAYES from Cape Canaveral to Ft. Lauderdale and closure of the Cape Canaveral facility.

The USNS HAYES is a 250 ft. modified twin-hull vessel operated by Military Sealift Command for the Navy. The ship has been extensively quieted for special operations and to handle a number of large, one-of-a kind systems associated with maintaining the stealth of our submarine fleet. The programs supported by HAYES are ongoing, with most work taking place in the Bahamas area. The ship has a large instrumented laboratory used to support these missions. The laboratory is operated and maintained by fifteen Navy civil servant engineers and technicians.

There are several clear advantages associated with consolidating NSWCCD's Ft. Lauderdale and Cape Canaveral sites (i.e. MILCON). Money savings accrue by eliminating the cost of renting pier, office, laboratory, and warehouse spaces. Fuel is saved by the shortened transit to the Bahamas area. Additional savings are realized by eliminating the fuel, labor, and generator maintenance associated with self-generating dockside power. There is also considerable manpower saved by collocating office/laboratory and dock spaces, thus saving the transit time associated with the continuous movement between locations. In addition, there is substantial technical benefit and savings of scale accrued by bringing the personnel associated with the two operations together.

CURRENT SITUATION:

The USNS Hayes is currently berthed at leased pier space at Port Canaveral with personnel located in a leased office/warehouse on the other side of the Port. To conduct ship acoustic signature measurements and analysis, and underwater weapons research and development testing, the Hayes

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62701
NAVAL SURFACE WARFARE CENTER DETACHMENT FORT LAUDERDALE, FLORIDA

4. Project Title	7. Project Number
SEAWALL AND SHIP BERTHING FACILITY	893

(...continued)

transits to the Fort Lauderdale/Bermuda test areas. On-site research time is lost due to the need for the extra transit time and inefficiencies of supporting personnel at two separate locations approximately 160 miles apart. The annual cost for operating out of Port Canaveral is $2,264,000. The existing wharf and concrete apron at the SFTF site require significant reconstruction to provide adequate ship's berthing. The existing seawall/bulkhead has been undermined by storms and surface erosion has occurred in the area behind the bulkhead. The 16 feet deep berthing slip requires dredging to a 30 feet depth to support the Hayes. A new bulkhead is required to support the increased dredge depth required by the USNS Hayes and to prevent undermining of the existing bulkhead.

IMPACT IF NOT PROVIDED:

The Navy will continue to inefficiently operate at two remote, separate sites with high costs, foregoing an approximate $1.4M annual savings. Ship transit between Port Canaveral and the deep water test area in the Bahamas will continue to contribute to the loss of valuable test range time. The Flag level commitment to the community to merge USNS HAYES with the new oceanographic center (South Florida Ocean Measurement Center) will not be met.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 06/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 20%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62701
NAVAL SURFACE WARFARE CENTER DETACHMENT FORT LAUDERDALE, FLORIDA

4. Project Title	7. Project Number
SEAWALL AND SHIP BERTHING FACILITY	893

(...continued)

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 0
(B) All Other Design Costs..... 150
(C) Total..... 150
(D) Contract..... 50
(E) In-House..... 100

(4) Contract Award..... 11/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 02/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LT SHARON OBY Phone No: 301-227-3830

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60508	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION WHITING FIELD MILTON FLORIDA	Chief of Naval Education and Training	0.84

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	376	559	1,255	833	0	0	40	73	0	3,136
b. End FY 2006	373	334	1,258	892	0	0	40	73	0	2,970

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (9,794.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	197,364.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	5,130.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	1,774.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	5,746.00
g.	REMAINING DEFICIENCY.....	29,470.00
h.	**GRAND TOTAL.....**	**239,484.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
211.05	JPATS OPS MAINT FAC	6,523 m2	1,230	12/98	04/01
211.63	JPATS GSE SUP/PAINT FAC	2,108 m2	3,900	12/98	04/01

	TOTAL		5,130		

9. Future Projects:

a. Included In The Following Program (FY 2002):

136.10	APPROACH LIGHTING	914 m2	1,774

	TOTAL		1,774

b. Major Planned Next Three Years:

211.03	CORROSION CTRL HANGER	1,523 m2	5,746

	TOTAL		5,746

c. Real Property Maintenance Backlog ($000): $ 50,369

10. Mission Or Major Functions:

To maintain and operate facilities and provide services and material to support opertaions of aviation activities and units of the Naval Air Training Command and other activities and units as designated by the Chief of Naval Operations. The Joint Primary Aircraft Training System (JPATS) T-6A Texas II aircraft will begin replacing the T-34C as the primary and intermediate trainer aircraft in 2002.

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60508	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION WHITING FIELD MILTON FLORIDA	Chief of Naval Education and Training	0.84

(...continued)

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60508	4. Project Title
NAVAL AIR STATION WHITING FIELD, FLORIDA	JPATS T-6A OPERATIONS/ MAINTENANCE FAC

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0805796N	211.05	232	1,230

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
JPATS T-6A OPERATIONS/ MAINTENANCE FAC	M2	6,523	-	1,000
HANGAR RENOVATION	M2	5,940	144	(860)
BUILDING RENOVATION	M2	559	107	(60)
SPECIAL SERVICE MAGAZINE	M2	24	3,250	(80)
SUPPORTING FACILITIES	LS	-	-	160
ELECTRICAL AND MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(80)
SUBTOTAL	-	-	-	1,160
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	1,160
Supervision Inspection & Overhead (6.0%)	-	-	-	70
TOTAL REQUEST	-	-	-	1,230
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Renovates Hangar 2941 and Building 2997 to accommodate aircraft maintenance support functions for the T-6A trainer; replace deluge system with aqueous film forming foam (AFFF) fire suppression system in Hangar 2941; constructs special service magazine, electrical and mechanical utilities, and paving and site improvements.

11. Requirement: 6,523 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Renovates Hangar 2941 and Building 2997 to accommodate the delivery of the T-6A training aircraft, which will replace the current T-34 aircraft.

JPATS T-6A Operations/Maintenance Facility = 6,523 m2 = 70,213 Square Feet
Hangar Renovation = 5,940 m2 = 63,938 Square Feet
Building Renovation = 559 m2 = 6,017 Square Feet
Special Service Magazine = 24 m2 = 258 Square Feet (New mission)

REQUIREMENT:

Adequate operations and maintenance facilities are required to support the

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60508
NAVAL AIR STATION WHITING FIELD, FLORIDA

4. Project Title	7. Project Number
JPATS T-6A OPERATIONS/ MAINTENANCE FAC	232

(...continued)

T-6A scheduled for delivery to this activity in early FY 03. To accommodate the new trainer, Hangar 2941 and Building 2997 require modernization. In addition, construction of a magazine is required to house ordnance associated with the ejection seats. Space is required to house a Contractor Operated & Maintained Base Supply (COMBS), Aviation Life Support Shop (ALSS), Ejection Seat maintenance, Nondestructive Inspection, Wheel and Tire Shop, and various support functions. The Special Service Magazine will provide storage for rocket motors (Class 1.3C explosives) and cartridge activated devices (Class 1.4S explosives).

CURRENT SITUATION:

The T-6A is scheduled to begin arriving in early FY 03, and Whiting Field does not have the maintenance facilities to support the new aircraft. A site evaluation report prepared by the manufacturer of the T-6A identified alterations to the existing maintenance facilities that would be required to accommodate the new aircraft. A COMBS facility, an ejection seat maintenance area, and an ordance storage area are not currently available; alterations are required for the existing Wheel Tire Shop as well as the Aviation Life Support Shop and various maintenance and administrative spaces.

IMPACT IF NOT PROVIDED:

If this project is not provided, the ability of this activity to provide maintenance for the new trainer will be severely restricted.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:

(A) Date Design Started	12/98
(B) Date Design 35% Complete	03/00
(C) Date Design Complete	04/01
(D) Percent Complete As Of September 1999	5%
(E) Percent Complete As Of January 2000	20%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/life-cycle analysis performed	No

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60508
NAVAL AIR STATION WHITING FIELD, FLORIDA

4. Project Title	7. Project Number
JPATS T-6A OPERATIONS/ MAINTENANCE FAC	232

(...continued)

(2) Basis:
(A) Standard or Definitive Design: No
(B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 0
(B) All Other Design Costs..... 120
(C) Total..... 120
(D) Contract..... 25
(E) In-House..... 95

(4) Contract Award..... 11/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 11/01

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: MARTY MARTIN Phone No: 850-623-7196

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60508	4. Project Title
NAVAL AIR STATION WHITING FIELD, FLORIDA	JPATS T-6A GSE SUPPORT/ PAINT FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0805796N	211.63	240	3,900

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
JPATS T-6A GSE SUPPORT/ PAINT FACILITY	M2	2,108	-	2,960
GSE BUILDING	M2	881	1,140	(1,000)
PAINT BOOTH	M2	497	3,380	(1,680)
WASH RACK/CONTROL BUILDING	M2	730	300	(220)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
SUPPORTING FACILITIES	LS	-	-	720
PRE-TREATMENT SYSTEM	LS	-	-	(250)
ELECTRICAL & MECHANICAL UTILITIES	LS	-	-	(320)
SITE IMPROVEMENTS	LS	-	-	(150)

SUBTOTAL	-	-	-	3,680
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	3,680
Supervision Inspection & Overhead (6.0%)	-	-	-	220

TOTAL REQUEST	-	-	-	3,900
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Masonry and steel frame building, concrete and steel grate floor, paint booth and functions, aircraft apron and access apron, wash rack, mechanical and electrical utilities, pollution treatment systems, fire suppression, technical support manuals, parking, and site improvements.

11. Requirement: 2,108 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Constructs facilities to accommodate the new T-6A training aircraft scheduled for delivery in early FY 03 to replace the T-34 aircraft.

GSE/Support Paint Facility = 2,108 m2 = 22,691 Square Feet
GSE Building = 881 m2 = 9,483 Square Feet
Paint Booth = 497 m2 = 5,350 Square Feet
Wash Rack/Control Building = 730 m2 = 7,858 Square Feet (New mission)

REQUIREMENT:

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60508
NAVAL AIR STATION WHITING FIELD, FLORIDA

4. Project Title	7. Project Number
JPATS T-6A GSE SUPPORT/ PAINT FACILITY	240

(...continued)

The ground support equipment (GSE) shop is required to provide space for the maintenance of ground equipment which supports aircraft operations. The paint booth is required for paint touch-up of aircraft. The wash rack is required for cleaning of aircraft in conjunction with periodic maintenance and corrosion prevention. The T-6A is scheduled to begin arriving at Naval Air Station (NAS) Whiting Field in early FY 03. A site evaluation report prepared by the manufacturer of the T-6A has identified the work described in this project as being necessary to accommodate the new aircraft.

CURRENT SITUATION:

The existing GSE shop is too small to support the equipment for the new aircraft. In addition, the existing GSE shop will continue to be required to support the Rotary Wing GSE. Paint touch-up is currently accomplished in hangar maintenance spaces. Due to the increased number of assigned aircraft during the seven year transition from T-34 to the T-6A, these spaces will be required for normal aircraft maintenance. The existing wash rack does not provide the necessary pre-treatment for metals (cadmium and chromium) that are introduced into the sanitary sewer system by wash rack operations. A new washrack located adjacent to the facility used for touch-up painting would be more efficient compared to the location of the existing wash rack.

IMPACT IF NOT PROVIDED:

The ability of this activity to provide maintenance for the new trainer will be severely restricted, impacting trainer availability and longevity.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:

(A) Date Design Started..... 12/98
(B) Date Design 35% Complete..... 03/00
(C) Date Design Complete..... 04/01
(D) Percent Complete As Of September 1999..... 5%
(E) Percent Complete As Of January 2000..... 20%
(F) Type of Design Contract..... Design Build

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60508
NAVAL AIR STATION WHITING FIELD, FLORIDA

4. Project Title	7. Project Number
JPATS T-6A GSE SUPPORT/ PAINT FACILITY	240

(...continued)

(G) Parametric Estimate used to develop cost..... Yes
(H) Energy study/life-cycle analysis performed..... No

(2) Basis:
(A) Standard or Definitive Design: No
(B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 0
(B) All Other Design Costs..... 130
(C) Total..... 130
(D) Contract..... 30
(E) In-House..... 100

(4) Contract Award..... 11/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 11/01

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: MARTY MARTIN Phone No: 850-623-7196

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67004	4. Command	5. Area Constr Cost Index
MARINE CORPS LOGISTICS BASE ALBANY GEORGIA	Commandant of the Marine Corps	0.79

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	100	557	2,035	0	0	0	13	58	472	3,235
b. End FY 2006	109	548	2,145	0	0	0	12	82	551	3,447

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (3,841.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	146,380.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	1,100.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	28,000.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	4,700.00
h.	**GRAND TOTAL.....**	**180,180.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
441.20	RENOVATE VEHICLE STG FAC	9,300 m2	1,100	05/99	12/00
	TOTAL		1,100		

9. Future Projects:

a. Included In The Following Program (FY 2002):

911.30	LAND ACQ (PH II)	0 LS	28,000
	TOTAL		28,000

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 11,000

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

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67004	4. Command	5. Area Constr Cost Index
MARINE CORPS LOGISTICS BASE ALBANY GEORGIA	Commandant of the Marine Corps	0.79

(...continued)

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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67004	4. Project Title
MARINE CORPS LOGISTICS BASE ALBANY, GEORGIA	RENOVATE VEHICLE STORAGE FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0702896M	124.50	920	1,100

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
RENOVATE VEHICLE STORAGE FACILITY	m2	9,300	-	870
CONTROLLED HUMIDITY WAREHOUSE	m2	9,300	92	(860)
TECHNICAL OPERATING MANUALS	LS	-	-	(10)
SUPPORTING FACILITIES	LS	-	-	170
ELECTRICAL UTILITIES	LS	-	-	(30)
MECHANICAL UTILITIES	LS	-	-	(30)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(70)
FORCE PROTECTION	LS	-	-	(20)
DEMOLITION	LS	-	-	(20)

SUBTOTAL	-	-	-	1,040
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	1,040
Supervision Inspection & Overhead (6.0%)	-	-	-	60

TOTAL REQUEST	-	-	-	1,100
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Modification and renovation of a pre-engineered structure into a permanent, closed-in facility to include renovated concrete floor, storm-water diversion, restrooms, insulation, electrical power, a controlled humidity system, closure of the open-air gaps between the walls and the roof and deck, electrically operated doors, force protection features, and site improvements.

11. Requirement: 9,300 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

Modifies and renovates an existing combat vehicle storage facility at MCLB Albany to provide humidity control, utilities, and restrooms.

Renovate Vehicle Storage Facility = 9,300 m2 = 100,104 Square Feet (Current mission)

REQUIREMENT:

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67004
MARINE CORPS LOGISTICS BASE ALBANY, GEORGIA

4. Project Title	7. Project Number
RENOVATE VEHICLE STORAGE FACILITY	920

(...continued)

An adequate and efficiently controlled humidity storage facility to protect and store combat vehicles for MCLB Albany in order to prevent accelerated corrosion on combat essential equipment.

CURRENT SITUATION:

The existing 9,300 m2 pre-engineered shell structure was erected in 1993 for long-term, indoor storage of combat and combat support vehicles and equipment. While the structure does protect items from sun and wind, it provides no environmental protection from the humid Georgia climate for the extremely sensitive and expensive mechanical, electrical, and weapons systems equipment parts on the vehicles and equipment. The structure is not permanently affixed, not insulated, has no restrooms, has minimal electrical power, and is relatively insecure due to open-air gaps between the concrete hardstand and the walls and ceiling. The 6-12 inch wall gaps allow outside air, moisture, stormwater, and humidity inside the structure, creating a corrosive environment. Currently, the Logistics Base must perform extensive care of supplies in storage (COSIS) cycles to protect the vehicles and equipment in storage. These COSIS cycles demand a high number of manhours to inspect, unpack, depreserve, operate, represerve, repackage, transport, handle, and return the equipment to storage. By placing vehicles and equipment into a controlled humidity environment, the number of COSIS cycles required, maintenance costs, repair parts, and hazardous material usage will be significantly reduced.

IMPACT IF NOT PROVIDED:

Combat vehicles and equipment will continue to be stored in a high humidity environment which will require frequent and costly COSIS cycles and reduce availability of combat vehicles to the active forces.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
(A) Date Design Started..... 05/99
(B) Date Design 35% Complete..... 03/00
(C) Date Design Complete..... 12/00
(D) Percent Complete As Of September 1999..... 5%

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67004
MARINE CORPS LOGISTICS BASE ALBANY, GEORGIA

4. Project Title	7. Project Number
RENOVATE VEHICLE STORAGE FACILITY	920

(...continued)

(E) Percent Complete As Of January 2000..... 20%
(F) Type of Design Contract..... Design Build
(G) Parametric Estimate used to develop cost..... Yes
(H) Energy study/life-cycle analysis performed..... No

(2) Basis:
(A) Standard or Definitive Design: No
(B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 68
(B) All Other Design Costs..... 34
(C) Total..... 102
(D) Contract..... 90
(E) In-House..... 12

(4) Contract Award..... 11/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 02/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LT CHRISTOPHER LACARIA Phone No: 912-439-5652

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N44466	4. Command	5. Area Constr Cost Index
TRIDENT REFIT FACILITY KINGS BAY, GEORGIA	Commander in Chief Atlantic Fleet	0.96

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	458	4,994	2,240	0	0	0	67	108	0	7,867
b. End FY 2006	434	4,004	2,351	0	0	0	67	108	0	6,964

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (16,666.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	532,840.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	5,200.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	5,740.00
h.	**GRAND TOTAL.....**	**543,780.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
213.60	SAND BLASTING/PAINT FAC	3,352 m2	5,200	12/98	06/01
	TOTAL		5,200		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 44,134

10. Mission Or Major Functions:

Provide facilities for refit of POSIEDON and TRIDENT submarines and TRIDENT II (D-5) missile production.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N44466	4. Project Title
TRIDENT REFIT FACILITY KINGS BAY, GEORGIA	CONSOLIDATED SANDBLAST/PAINT FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0101896N	213.60	568	5,200

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
CONSOLIDATED SANDBLAST/PAINT FACILITY	M2	3,352	-	3,700
METAL BUILDING (LARGE BOOTHS)	M2	2,133	700	(1,490)
METAL BUILDING (MEDIUM AND SMALL BOOTHS)	M2	552	592	(330)
ADMIN/SUPPORT SPACE	M2	216	1,293	(280)
COVERED AREA (@ 50%)	M2	451	376	(170)
BUILT IN EQUIPMENT AND CRANES	LS	-	-	(1,200)
BRIDGE CRANE & MISC ITEMS	LS	-	-	(230)
SUPPORTING FACILITIES	LS	-	-	1,210
EARTHWORK, UTILITIES, PAVEMENT AND SITE IM	LS	-	-	(1,210)

SUBTOTAL	-	-	-	4,910
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	4,910
Supervision Inspection & Overhead (6.0%)	-	-	-	290

TOTAL REQUEST	-	-	-	5,200
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

The new facility will be a series of structural steel buildings with insulated metal wall and roof panels. Buildings include facilities and built-in equipment for blasting, painting and powder coating, air wash filtered exhaust system with dust collectors and blast media (steel grit) reclaiming equipment, breathing and low pressure air, and electrical service for portable painting and blasting equipment. Personnel support areas will include an air conditioned break room, support offices, rest rooms with shower and locker facilities.

11. Requirement: 3,352 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:
This project consolidates four existing, inadequate painting and stand blast operations into one permanent, environmentally compliant, accessible, and efficient facility.

Consolidated Sandblast/Paint Facility = 3,352 m2 = 36,081 Square Feet
Metal Building (Large Booths) = 2,133 m2 = 22,959 Square Feet
Metal Building (Medium and Small Booths) = 552 m2 = 5,942 Square Feet

(Continued On DD 1391C)

(...continued)

Admin/Support Space = 216 m2 = 2,325 Square Feet
Covered Area (@ 50%) = 451 m2 = 4,855 Square Feet (Current mission)

REQUIREMENT:

An adequate and environmentally compliant facility is needed to provide a permanent corrosion control / prevention center. This center will provide corrosion control for numerous submarine components and base support equipment. These components range in size from hand held items to large oversized (tractor trailer sized) items such as gangways, stacking stands, tractor trailers, submarine camels, etc. The project addresses the environmental issues raised by the Georgia Department of Natural Resources, who recently issued a writted Notice of Violation (NOV), a written warning citing the presence of unacceptable release of spent blast media from existing painting and blast operations. Open air blasting and painting is no longer acceptable due to current environmental regulations.

CURRENT SITUATION:

The Naval Submarine Base at Kings Bay, Georgia currently has no permanent corrosion control facility to handle large submarine components and heavy equipment. Blasting and painting of components are currently performed by Trident Refit Facility (TRF) and the Base Operating Services Contract (BOSC) at several different sites onbase. TRF performs the majority of their painting and blasting at the waterfront; however, some minor tasks are performed at TRIDENT Refit Industrial Facility (Bldg. 4026). BOSC blasting and painting operations are performed at an outdoor facility, the "Monroe Hardstand," near Port Services (Bldg. 5041).

TRF waterfront blasting and painting operations occur at the dry-dock. A 595 m2 galvanized steel frame and pvc coated polyester tent structure was purchased in 1992 to provide some degree of containment. The temporary tent offers poor lighting, poor ventilation, ineffective control of air borne contaminants and a life expectancy of less than six years.

Under certain circumstances the current blasting process may be in violation of environmental and federal regulations due to fugitive emissions, unconfined spent media entering the soil and stormwater system with the potential of entering the bay. In August 1996, the Georgia Department of Natural Resources issued an NOV for improper labeling of hazardous waste. Included in the notice was a written warning citing the presence of spent blast media from the TRF temporary tent structure.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N44466
TRIDENT REFIT FACILITY KINGS BAY, GEORGIA

4. Project Title	7. Project Number
CONSOLIDATED SANDBLAST/PAINT FACILITY	568

(...continued)

SUBASE took corrective action to clean the blast media in the fall of 1996. Approximately 60 cubic yards of soil and blast media were removed.

In addition to posing a potential environmental hazard, the current process was considered inefficient because simultaneous blasting and painting operations could not be accommodated in the tent structure. Consequently, components are often staged onsite while waiting to be serviced. This backlog has prevented TRF from accepting Regional Maintenance type work.

IMPACT IF NOT PROVIDED:

The existing working conditions continue to pose a significant environmental hazard, promote inefficiencies, and represent an uneconomical process. The current facilities and working environment do not meet the present or future requirements found in the TRF and BOSC user groups. TRF and BOSC will not meet their mission requirements and therefore material conditions of high cost submarine components and facility support equipment will be compromised. In addition, current operations or remain exposed to hazardous substance releases, fines, and installation restoration of cost.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 06/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 20%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N44466
TRIDENT REFIT FACILITY KINGS BAY, GEORGIA

4. Project Title	7. Project Number
CONSOLIDATED SANDBLAST/PAINT FACILITY	568

(...continued)

(3) Total Cost (C) = (A) + (B) Or (D) + (E):

(A) Production of Plans and Specifications..... 0
(B) All Other Design Costs..... 180
(C) Total..... 180
(D) Contract..... 100
(E) In-House..... 80

(4) Contract Award..... 11/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 02/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: CAPT STEPHEN DUBA Phone No: 912-673-4600

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00038	4. Command	5. Area Constr Cost Index
COMMANDER IN CHIEF, PACIFIC CAMP H.M. SMITH, HAWAII	Commander in Chief Pacific Fleet	1.47

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	383	241	126	0	0	0	95	168	158	1,171
b. End FY 2006	379	225	123	0	0	0	95	168	158	1,148

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 30 Dec 1899.....	0.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	35,600.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	30,664.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	30,400.00
h.	**GRAND TOTAL.....**	**96,664.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
610.10	CINCPAC HDQTRS (INCR II)	25,269 m2	35,600	12/97	06/99
	TOTAL		35,600		

9. Future Projects:

a. Included In The Following Program (FY 2002):

610.10	CINCPAC HDQTRS (INCR III)	22,949 m2	30,664
	TOTAL		30,664

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 0

10. Mission Or Major Functions:

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00038	4. Project Title
COMMANDER IN CHIEF, PACIFIC CAMP H.M. SMITH, HAWAII	CINCPAC HEADQUARTERS (INCREMENT II)

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0201498N	610.10	112A	Auth 0 Appr 35,600

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
CINCPAC HEADQUARTERS (INCREMENT II)	M2	25,269	-	65,420
ADMIN OFFICE	M2	18,850	1,671	(31,500)
OPCON CENTER	M2	2,824	2,814	(7,950)
TELECOM CENTER	M2	1,598	5,294	(8,460)
STORAGE	M2	836	1,219	(1,020)
OFFICERS' MESS	M2	334	3,830	(1,280)
ELECTRONICS/COMM MAINTENANCE SHOP	M2	279	2,167	(600)
TRAINING ROOM	M2	46	2,131	(100)
CAFETERIA	M2	502	1,667	(840)
BUILT-IN EQUIPMENT	LS	-	-	(3,090)
INFORMATION SYSTEMS	LS	-	-	(3,680)
FORCE PROTECTION	LS	-	-	(3,870)
ANTENNA RELOCATION	LS	-	-	(1,290)
HEMP PROTECTION	LS	-	-	(850)
TECHNICAL OPERATING MANUALS	LS	-	-	(890)
SUPPORTING FACILITIES	LS	-	-	11,480
SPECIAL FOUNDATION FEATURES	LS	-	-	(1,510)
ELECTRICAL UTILITIES	LS	-	-	(2,210)
MECHANICAL UTILITIES	LS	-	-	(640)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(6,700)
DEMOLITION	LS	-	-	(420)

SUBTOTAL	-	-	-	76,900
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	76,900
Supervision Inspection & Overhead (6.5%)	-	-	-	5,000

SUBTOTAL	-	-	-	81,900
LESS INCR I FY00 FUNDING	LS	-	-	-15,820
LESS INCR III FY02 FUNDING	LS	-	-	-30,480

TOTAL REQUEST	-	-	-	35,600
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	25,000

10. Description of Proposed Construction

Six-story, reinforced concrete and structural steel building on concrete

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00038
COMMANDER IN CHIEF, PACIFIC CAMP H.M. SMITH, HAWAII

4. Project Title	7. Project Number
CINCPAC HEADQUARTERS (INCREMENT II)	112A

(...continued)

spread footing and prestressed concrete pile foundation (special foundation features); entrance canopy; administrative area (office/reception areas, file rooms, conference/briefing rooms, vaults, technical libraries, administrative storage areas); special administrative areas within Sensitive Compartmented Information Facilities (SCIFs) and Telecommunications Center; Operational Control Center (Command Center, Operations/Intelligence Briefing Room, Intelligence/Mission Planning areas); Telecommunications Center; training room; bulk storage areas; private dining room and food preparation area for hosting dignitaries and for use by officers O-6 and above; electronics and communications maintenance area; cafeteria; modifications to adjacent buildings to support relocated antennas; preaction, wet-pipe sprinkler, underfloor carbon dioxide fire suppression, and fire alarm systems; classified and unclassified local area network systems; elevators; built-in equipment includes raised flooring, special fire protection system, and security provisions; Uninterruptible Power Supply (UPS) system, emergency generators; telephone, electrical and civil (water/sewer) utilities; upgrade substation; technical operating manuals; Force Protection Requirements (constructed to Seismic Zone 3 standards, security glazing, vehicle gates, relocate staff parking, relocate supply and receipt function, relocate mail room); and, mechanical heating, ventilation and air conditioning (HVAC). The building will be designed and constructed to meet the Uniform Federal Accessibility Standards. Demolish Building 41 which is currently on the proposed site. Provide an access road to the new Headquarters building.

11. Requirement: 25,269 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:
Constructs a new headquarters building for the Pacific Command.

CINCPAC Headquarters = 25,269 m2 = 271,993 Square Feet
Admin Office = 18,850 m2 = 202,900 Square Feet
OPCON Center = 2,824 m2 = 30,397 Square Feet
TELECOM Center = 1,598 m2 = 17,201 Square Feet
Storage = 836 m2 = 8,999 Square Feet
Officers' Mess = 334 m2 = 3,595 Square Feet
Electronics/Comm Maintenance Shop = 279 m2 = 3,003 Square Feet
Training Room = 46 m2 = 495 Square Feet
Cafeteria = 502 m2 = 5,403 Square Feet (Current mission)

REQUIREMENT:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00038
COMMANDER IN CHIEF, PACIFIC CAMP H.M. SMITH, HAWAII

4. Project Title	7. Project Number
CINCPAC HEADQUARTERS (INCREMENT II)	112A

(...continued)

Adequate, consolidated, and efficiently configured facility is required for the Pacific Command Headquarters, consisting of U.S. Commander in Chief Pacific (USCINCPAC) and Special Operations Command Pacific (SOCPAC). To accomplish their missions, USCINCPAC and SOCPAC require a consolidated facility which provides administrative office space for approximately 950 personnel, as well as operational control spaces, where the rest of headquarters personnel gather and assess combat intelligence, perform tactical and strategic activities, and control tactical forces. In addition, communications and telecommunications centers supporting USCINCPAC/SOCPAC operations and other miscellaneous support areas (storage, automated data processing, electronics/communications maintenance shop, training) are required in the same facility to increase productivity and efficiency of operations. Most of the existing spaces currently occupied by USCINPAC and SOCPAC will be returned to the host activity, Marine Corps Base Hawaii (MCBH) Camp Smith, upon completion of this project.

CURRENT SITUATION:

USCINCPAC and SOCPAC currently occupy portions of 25 different buildings at Camp H.M. Smith. Of the 25 buildings, four are rated adequate for their present use, fourteen substandard, and seven inadequate. The buildings, rated inadequate and substandard, do not have adequate fire protection and air-conditioning systems, do not meet current seismic design criteria, and have poorly configured administrative and operational control spaces as well as deteriorated ceilings, walls and floors. The existing headquarters complex is a converted World War II hospital with many narrow, interconnecting multi-story wings. Functional staff elements cannot be logically located with respect to interactions with other elements within the same Command or with other Commands, resulting in operational/production inefficiencies. In addition, the Complex is characterized by wide, non-air-conditioned corridors; exposed electrical wiring & plumbing lines; bare ceilings in many areas; asbestos-laden floor tiles and lead based paint; an inefficient mix of window and package air conditioning systems that service various portions of the Complex; a lack of insulation in air-conditioned areas; termite infestation of the various wooden components; and generally poorly maintained working spaces.

IMPACT IF NOT PROVIDED:

The Pacific Command will continue to operate inefficiently in converted World War II vintage hospital buildings which are in various degrees of disrepair. Furthermore, the Commander in Chief of the U.S. Pacific

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00038
COMMANDER IN CHIEF, PACIFIC CAMP H.M. SMITH, HAWAII

4. Project Title	7. Project Number
CINCPAC HEADQUARTERS (INCREMENT II)	112A

(...continued)

forces, representing the President and the United States, will continue to host dignitaries, foreign diplomats, and other distinguished visitors in facilities unbefitting of a command headquarters.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/97
- (B) Date Design 35% Complete..... 01/99
- (C) Date Design Complete..... 06/99
- (D) Percent Complete As Of September 1999..... 100%
- (E) Percent Complete As Of January 2000..... 100%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used: PHASE I

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 5240
- (B) All Other Design Costs..... 2620
- (C) Total..... 7860
- (D) Contract..... 6990
- (E) In-House..... 870

(4) Contract Award..... 05/00

(5) Construction Start..... 10/00

(6) Construction Completion..... 06/03

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

Equipment	Procuring	Fiscal Year Appropriated	Cost

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00038
COMMANDER IN CHIEF, PACIFIC CAMP H.M. SMITH, HAWAII

4. Project Title	7. Project Number
CINCPAC HEADQUARTERS (INCREMENT II)	112A

(...continued)

Nomenclature	Appropriation	Or Requested	($000)
C4I SYSTEMS	00	OPN	2000
C4I SYSTEMS	01	OPN	13500
C4I SYSTEMS	02	OPN	9500

Activity POC: BRIAN KELM Phone No: 808-471-4642

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00318	4. Command	5. Area Constr Cost Index
MARINE CORPS BASE KANEOHE BAY HAWAII	Commandant of the Marine Corps	1.52

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	74	519	522	29	50	0	806	5,577	1,564	9,141
b. End FY 2006	67	546	545	16	52	0	1,719	8,831	2,251	14,027

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (34,110.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	234,730.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	18,400.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	17,426.00
g.	REMAINING DEFICIENCY.....	266,787.00
h.	**GRAND TOTAL.....**	**537,343.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
721.11	BEQ	6,375 m2	18,400	12/98	04/01

	TOTAL		18,400		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

730.85	POST OFFICE	0 LS	1,771
721.11	BACHELOR ENLISTED QUARTERS	0 LS	15,655

	TOTAL		17,426

c. Real Property Maintenance Backlog ($000): $ 65,300

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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00318	4. Project Title
MARINE CORPS BASE KANEOHE BAY, HAWAII	BACHELOR ENLISTED QUARTERS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	721.11	741	18,400

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
BACHELOR ENLISTED QUARTERS	m2	6,375	-	14,850
BUILDING	m2	6,375	2,303	(14,680)
INFORMATION SYSTEMS	LS	-	-	(170)
SUPPORTING FACILITIES	LS	-	-	2,430
ELECTRICAL UTILITIES	LS	-	-	(1,200)
MECHANICAL UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(500)
FORCE PROTECTION	LS	-	-	(170)
DEMOLITION	LS	-	-	(450)

SUBTOTAL	-	-	-	17,280
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	17,280
Supervision Inspection & Overhead (6.5%)	-	-	-	1,120

TOTAL REQUEST	-	-	-	18,400
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	820

10. Description of Proposed Construction

Multi-story, reinforced concrete or masonry facility with 150 "2x0" rooms with semi-private bathrooms, walk-in bulk storage closets, areas for microwave/refrigerator units. Recreation, community, and service core areas consist of laundry facilities, lounges, indoor and outdoor recreation areas, administrative offices, housekeeping areas, and public restrooms. Electrical systems include fire alarms and information systems. Mechanical systems include fire sprinklers and air conditioning. Supporting facilities work includes site and building utility connections (water, sanitary, and storm sewers, electrical, telephone, local area network (LAN), and cable television). Paving and site improvments include paved parking, sidewalks, outdoor recreation area, and landscaping. Demolishes an equal number of inadequate BEQs.
Intended Grade Mix: 170 E1-E3; 65 E4-E5. Total: 235. Maximum Utilization: 300 E1-E3.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00318
MARINE CORPS BASE KANEOHE BAY, HAWAII

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	741

(...continued)

11. Requirement: 4,783 PN Adequate: 1,132 PN Substandard: 1,110 PN

PROJECT:

Constructs "2x0" bachelor enlisted quarters (BEQ) with 150 rooms for permanent party enlisted personnel.

Bachelor Enlisted Quarters = 6,375 m2 = 68,620 Square Feet
Building = 6,375 m2 = 68,620 Square Feet (Current mission)

REQUIREMENT:

Adequate and modern bachelor quarters which meet quality of life standards for permanent party enlisted personnel.

CURRENT SITUATION:

Currently, Marine Corps Base (MCB) Hawaii, with 48% of its BEQs listed as inadequate, has the worst barracks situation in the Marine Corps. Over 60% of the BEQs on MCB Hawaii are more than 45 years old. Built in the 1940's and early 1950's as open squad bay facilities, these barracks were later renovated to three-man configured rooms in the 1970s. With almost 50 years of aging and degradation, these inadequate buildings require constant repair, maintenance and refurbishment to maintain minimum habitability. Deteriorating foundations, plumbing that is practically irreparable, and electrical systems that verge on the unsafe are the norm. Unable to meet DoD or Marine Corps "2x0" standards of design, these over-crowded and decayed facilities seriously impact the quality of life, morale, and retention rates of the junior enlisted Marines and Sailors. In a recent retention survey conducted by Marine Corps Community Services (MCCS), eight of the top ten reasons that first-term Marines leave the Corps were barracks related. Additionally, because of the high cost of living in Hawaii, many junior Marines, who might otherwise be given the opportunity in less expensive areas to live off-base, have no other alternative than to endure the poor quality of life the existing barracks provide. Economically, these barracks are also a severe drain on a limited base operating support budget. Representing only 6% of the facilities on base, the inadequate BEQs consume 22% of the maintenance funding and contribute to a $10 million backlog for maintenance and repair.

IMPACT IF NOT PROVIDED:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00318
MARINE CORPS BASE KANEOHE BAY, HAWAII

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	741

(...continued)

Junior enlisted personnel will continue to be housed in deteriorated, over-crowded, and inadequate barracks to the detriment of their morale, retention, and readiness. Training time will continue to be diverted for large scale self-help projects to maintain minimum livability standards. An inequitable amount of maintenance dollars will continue to be diverted from training facilities to barracks, which will exacerbate growing readiness problems and increase exponentially over time as existing buildings deteriorate further.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 04/01
- (D) Percent Complete As Of September 1999..... 30%
- (E) Percent Complete As Of January 2000..... 30%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 150
- (B) All Other Design Costs..... 150
- (C) Total..... 300
- (D) Contract..... 50
- (E) In-House..... 250

(4) Contract Award..... 01/01

(5) Construction Start..... 04/01

(6) Construction Completion..... 04/03

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00318
MARINE CORPS BASE KANEOHE BAY, HAWAII

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	741

(...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)
Collateral Equipment	O&M,MC	2001	820

C. FY 1999 Unacccompanied Housing Real Property Maint Conducted ($000)
6700

D. FY 2000 Unacccompanied Housing Real Property Maint Conducted ($000)
1000

E. Future Unacccompanied Housing Real Property Maint Requirements ($000)
1100

Activity POC: LCdr J. Landis Phone No: (808) 257-2171

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N35266	4. Command	5. Area Constr Cost Index
NAVAL UNDERSEA WARFARE ENG CTR LUALUALEI HAWAII	Naval Sea Systems Command	1.52

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	17	283	115	0	0	0	0	0	0	415
b. End FY 2006	16	287	206	0	0	0	0	0	0	509

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	0.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	2,100.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	0.00
h.	**GRAND TOTAL.....**	**2,100.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
143.15	CONSOL FLEET TEST SUP FAC	260 m2	2,100	12/98	03/00
	TOTAL		2,100		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 250

10. Mission Or Major Functions:

To operate and maintain FORACS III range including over-the-horizon targeting sensors, surface ship radiated noise measurement and submarine pre-deployment acoustic trials.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N35266	4. Project Title
NAVAL UNDERSEA WARFARE DETACHMENT LUALUALEI, HAWAII	CONSOLIDATED FLEET TEST SUPPORT FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0702031N	143.15	313	2,100

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
CONSOLIDATED FLEET TEST SUPPORT FACILITY	M2	260	-	1,260
CFTS FACILITY	M2	260	4,506	(1,170)
BUILT-IN EQUIPMENT	LS	-	-	(70)
INFORMATION SYSTEMS	LS	-	-	(10)
TECHNICAL OPERATING MANUALS	LS	-	-	(10)
SUPPORTING FACILITIES	LS	-	-	710
ELECTRICAL UTILITIES	LS	-	-	(20)
MECHANICAL UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(400)
DEMOLITION	LS	-	-	(90)

SUBTOTAL	-	-	-	1,970
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	1,970
Supervision Inspection & Overhead (6.5%)	-	-	-	130

TOTAL REQUEST	-	-	-	2,100
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Two-story concrete masonry structure with raised concrete foundation, fire protection system, information systems, raised floor in computer area, and comfort and equipment air conditioning; 30.5 meter tracking tower; utilities; paving and site improvements; and, demolition of one building and two towers at Special Area Nanakuli.

11. Requirement: 260 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Constructs Consolidated Fleet Test Support facilities for concurrent testing and evaluation of ship-board Electronics and Combat Systems Readiness.

Consolidated Fleet Test Support Facility = 260 m2 = 2,799 Square Feet (Current mission)

REQUIREMENT:

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N35266
NAVAL UNDERSEA WARFARE DETACHMENT LUALUALEI, HAWAII

4. Project Title	7. Project Number
CONSOLIDATED FLEET TEST SUPPORT FACILITY	313

(...continued)

Adequate and efficiently configured facilities are required to consolidate the equipment and personnel at Nanakuli with the existing Shipboard Electronics Systems Evaluation Facility (SESEF) at Barbers Point for the operational evaluation of combat and navigational systems on surface ships and submarines. The new facility will allow concurrent Fleet operational testing and evaluation for multiple systems and programs. The new facility also provides support for Radio Direction Finding, Combined Surface/Submarine Radiated Noise Measurement, and 3-D tracking range equipment packages.

CURRENT SITUATION:

The mission is currently accomplished in two remotely located facilities, one on Navy property and one on leased State-owned property. The existing facilities are fully utilized and cannot accommodate the additional equipment necessary to support the mission. Valuable new systems test equipment is now stored in temporary shelters until the completion of this project.

IMPACT IF NOT PROVIDED:

Additional increased Fleet sailing time will continue to be required due to the multiple system tests now done at two different locations and the inability to accomplish multiple tests at the same site. Test site operational inefficiencies and associated increased costs will continue due to multiple equipment changes for successive system tests. Lost time occurs because detachment personnel cannot conduct simultaneous testing and additional ships' transits to accomplish the multiple tests. An additional possible impact is the increased risk that ships' personnel errors and equipment faults will go undetected.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:

(A) Date Design Started..... 12/98
(B) Date Design 35% Complete..... 08/99
(C) Date Design Complete..... 03/00
(D) Percent Complete As Of September 1999..... 35%

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N35266
NAVAL UNDERSEA WARFARE DETACHMENT LUALUALEI, HAWAII

4. Project Title	7. Project Number
CONSOLIDATED FLEET TEST SUPPORT FACILITY	313

(...continued)

(E) Percent Complete As Of January 2000..... 95%
(F) Type of Design Contract..... Design/Bid/Build
(G) Parametric Estimate used to develop cost..... Yes
(H) Energy study/life-cycle analysis performed..... Yes

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 114
(B) All Other Design Costs..... 110
(C) Total..... 224
(D) Contract..... 200
(E) In-House..... 24

(4) Contract Award..... 12/00

(5) Construction Start..... 01/01

(6) Construction Completion..... 02/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LT MATTHEW MASTERSON Phone No: 808-668-3251

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00604	4. Command	5. Area Constr Cost Index
FLEET INDUSTRIAL SUPPLY CENTER PEARL HARBOR, HAWAII	Naval Supply Systems Command	1.47

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	20	56	626	0	0	0	0	0	0	702
b. End FY 2006	18	83	621	0	0	0	0	0	0	722

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (675.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	136,689.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	12,000.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	33,815.00
g.	REMAINING DEFICIENCY.....	19,010.00
h.	**GRAND TOTAL.....**	**201,514.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
152.60	WHARF UPGRADE	152 MB	12,000	12/98	06/00
	TOTAL		12,000		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

152.60	SUPPLY WHARF EXTENSION	190 MB	3,014
431.10	WATERFR0NT TRANSIT SHED	4,505 m2	7,724
441.10	WAREHOUSE CONSOLIDATION	5,110 m2	14,600
441.10	BULK STORAGE WAREHOUSE	4,181 m2	8,477
	TOTAL		33,815

c. Real Property Maintenance Backlog ($000): $ 74,225

10. Mission Or Major Functions:

Provides a wide variety of supply and support services to Navy activities in the geographic area and provides supply, POL, and support services to Pacific Fleet units.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00604	4. Project Title
FLEET INDUSTRIAL SUPPLY CENTER PEARL HARBOR, HAWAII	WHARF UPGRADE

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0702896N	152.60	138	12,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
WHARF UPGRADE	LS	-	-	7,330
WHARF UPGRADE	LS	-	-	(7,330)
SUPPORTING FACILITIES	LS	-	-	3,940
SHEET PILE BULKHEAD	LS	-	-	(1,940)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(610)
DEMOLITION	LS	-	-	(1,390)

SUBTOTAL	-	-	-	11,270
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	11,270
Supervision Inspection & Overhead (6.5%)	-	-	-	730

TOTAL REQUEST	-	-	-	12,000
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	500

10. Description of Proposed Construction

Demolish 152 meter (500 foot) section of existing Supply Wharves K10 and K11 and construct a new reinforced concrete wharf on concrete piles with capacity to support supply loading and unloading operations. A new sheetpile bulkhead will be installed just beyond the existing bulkhead at the reconstructed section of the wharf. A new fender system at the reconstructed section will consist of precast concrete piles and foam-filled fenders at 60 feet on center, along the outboard edge of the wharf. Other work includes cathodic corrosion protection for the new sheetpile, earthwork and repaving at the new sheetpile deadman, and the demolition, temporary capping and replacing of the existing utility lines beneath the existing wharf.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 152 LS

PROJECT:
This project upgrades wharf load capacity and fender system at Wharves K10 and K11 to provide adequate waterfront berthing facilities for supply ships.

Wharf Upgrade = 152 MB = 499 Feet of Berthing (Current mission)

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00604
FLEET INDUSTRIAL SUPPLY CENTER PEARL HARBOR, HAWAII

4. Project Title	7. Project Number
WHARF UPGRADE	138

(...continued)

REQUIREMENT:

Adequate waterfront facilities are required for the safe berthing of supply ships. Supply Center, Pearl Harbor is tasked with performing the Water Terminal Clearance Authority functions for all DOD water shipments consigned through Hawaiian Island ports, and also providing traffic management and terminal services for the movement of DOD components through the military ocean terminals and must be responsive to the operational requirement of a DOD component. To perform this mission, Supply Center, Pearl Harbor requires adequate waterfront facilities for the safe berthing of supply ships.

CURRENT SITUATION:

Wharves K10 and K11 are Supply Center's primary berthing facilities for breakbulk/container supply ships. Approximately three supply ships and five to six surface/miscellaneous Navy ships berth at Wharves K10 and K11 per month. Additionally, K10 and K11 are the only wharves that have adequate length to berth the large supply ships. The Navy changed their parts pre-position strategy resulting from an increase in the number of large, heavy, long-lead items (such as nose cones for submarines) for easier access and quicker availability for the repair of ships and submarines in the Pacific. Wharves K10 and K11 were constructed in 1942. Because of their lengths, Wharves K10 and K11 can accommodate large ships and are heavily used. However, full use of heavy equipment is restricted in movement, positioning, and lifting capacity because of structural weakness in the wharves. As a result of engineering studies the load capacity on Kilo Docks has been limited for safe equipment operations. Allowable lifting load limits are therefore, less than full capacity of these machines. Very heavy lifting equipment cannot be used on the wharves at all. The existing timber pile fender system does not have adequate capacity to absorb the berthing energy of docking ships.

IMPACT IF NOT PROVIDED:

If this project is deferred, full use of existing lifting/loading equipment will be limited. A judgement error in normal use of the equipment could result in damages to the structure and loss of lives. Normal docking and undocking operations will continue to damage the hulls of ships and/or the wharf structure. Consequently, Supply Center's ability to sustain the readiness of the fleet and shore activities could be compromised.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00604
FLEET INDUSTRIAL SUPPLY CENTER PEARL HARBOR, HAWAII

4. Project Title	7. Project Number
WHARF UPGRADE	138

(...continued)

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 08/99
- (C) Date Design Complete..... 06/00
- (D) Percent Complete As Of September 1999..... 35%
- (E) Percent Complete As Of January 2000..... 65%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 350
- (B) All Other Design Costs..... 300
- (C) Total..... 650
- (D) Contract..... 1200
- (E) In-House..... 120

(4) Contract Award..... 01/01

(5) Construction Start..... 02/01

(6) Construction Completion..... 04/03

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
FOAM FILLED FENDERS	OPN	01	500

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00604
FLEET INDUSTRIAL SUPPLY CENTER PEARL HARBOR, HAWAII

4. Project Title	7. Project Number
WHARF UPGRADE	138

(...continued)

Activity POC: LTJG ALEXANDER KOHNEN Phone No: (808) 471-0659

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62813	4. Command	5. Area Constr Cost Index
NAVAL STATION PEARL HARBOR HAWAII	Commander in Chief Pacific Fleet	1.47

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	1,648	10,752	7,711	0	0	0	301	423	0	20,835
b. End FY 2006	1,742	11,511	7,466	0	0	0	268	439	0	21,426

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (6,248.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	956,812.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	30,700.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	36,193.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	28,746.00
g.	REMAINING DEFICIENCY.....	372,658.00
h.	**GRAND TOTAL.....**	**1,425,109.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
143.25	SEAL DELIVERY VEH TEAM	6,437 m2	14,200	12/98	06/00
721.11	BEQ	5,251 m2	16,500	12/98	04/01

	TOTAL		30,700		

9. Future Projects:

a. Included In The Following Program (FY 2002):

832.10	BLGE/OIL WST COLL/PROC FAC	0 LS	8,124
812.30	ELEC SYS UPGR(FORD ISLAND)	0 LS	16,039
721.14	BEQ MODERNIZATION(ARIZONA)	0 LS	12,030

	TOTAL		36,193

b. Major Planned Next Three Years:

721.11	BEQ	0 LS	22,040
721.11	BEQ MODERN (SMEDLEY)	0 LS	6,706

	TOTAL		28,746

c. Real Property Maintenance Backlog ($000): $ 187,649

10. Mission Or Major Functions:

Pearl Harbor is homeport for approximately 20 surface combatants. This station operates and controls the harbor and maintains and operates shore-based support facilities such as shore intermediate maintenance, housing, recreation, and personnel assistance for afloat surface units and

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62813	4. Command	5. Area Constr Cost Index
NAVAL STATION PEARL HARBOR HAWAII	Commander in Chief Pacific Fleet	1.47

(...continued)

most of the shore tenant activities in the Pearl Harbor area.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62813	4. Project Title
NAVAL COMPLEX, PEARL HARBOR, HAWAII	RELOCATE SEAL DELIVERY VEHICLE TEAM

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204796N	143.25	533	14,200

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
RELOCATE SEAL DELIVERY VEHICLE TEAM	M2	6,437	-	11,920
SEAL TEAM BUILDING	M2	6,437	1,522	(9,800)
BUILT-IN EQUIPMENT	LS	-	-	(2,030)
INFORMATION SYSTEMS	LS	-	-	(90)
SUPPORTING FACILITIES	LS	-	-	1,410
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(520)
MECHANICAL UTILITIES	LS	-	-	(530)
ELECTRICAL UTILITIES	LS	-	-	(300)
SITE IMPROVEMENTS	LS	-	-	(60)

SUBTOTAL	-	-	-	13,330
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	13,330
Supervision Inspection & Overhead (6.5%)	-	-	-	870

TOTAL REQUEST	-	-	-	14,200
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	108

10. Description of Proposed Construction

Multi-story, concrete masonry unit wall, steel-frame building with concrete foundation and metal roofing; SEAL operational space includes Dry Deck Shelter (DDS) bay, scuba shops, oxygen charging room, battery charging room, weight room, and locker rooms; supply space provides parts storage for scuba/dive gear, SEAL delivery vehicle, and DDS; special features include 50 ton and 5 ton bridge cranes, crane rails and structural supports, 12-inch thick concrete floor slab in DDS bay, compressed air system, intrusion detection system, and information systems; utilities (sewer, water, and electricity), building pilings, site improvements, and obstacle course; relocate existing ready storage locker; technical operating manuals for bridge cranes and air compressors.

11. Requirement: 6,437 M2 Adequate: 0 M2 Substandard: 44,666 M2

PROJECT:

Construct new facilities for the relocation of Seal Delivery Vehicle Team (SDVT) ONE from Ford Island to Pearl City Peninsula.

Relocate Seal Delivery Vehicle Team = 6,437 m2 = 69,287 Square Feet

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62813
NAVAL COMPLEX, PEARL HARBOR, HAWAII

4. Project Title	7. Project Number
RELOCATE SEAL DELIVERY VEHICLE TEAM	533

(...continued)
(Current mission)

REQUIREMENT:

Adequate facilities are critical for SDVT ONE to maintain readiness for rapid deployment and to provide continuous and ongoing training to meet their mission requirements. Adequate facilities provide DDS bay for mock training; scuba shops for preparation of open circuit (compressed air) and closed circuit (100% oxygen) diving equipment; oxygen charging room for scuba tanks; battery charging room for SEAL Delivery Vehicle; classrooms for weapons, tactics, and dive training; and, weight and locker room for physical conditioning.

CURRENT SITUATION:

The current facility does not conform to the Ford Island Development Plan, which was prepared by the Ford Island Executive Steering Committee. This long-range concept plan has been briefed to Commander in Chief, Pacific Fleet (CINCPAC), Chief of Naval Operations (OPNAV), Secretary of the Navy (SECNAV), and the Hawaii Congressional delegation. A subsequent plan to relocate the entire SEAL compound to Pearl City has been coordinated with Commander, Naval Special Warfare Command (COMNAVSPECWARCOM). Starting with U. S. Special Operations Command (USSOCOM) Military Construction Project Q-449, Advanced SEAL Delivery System (ASDS) Facility, all facilities will be relocated to the Pearl City Peninsula.

IMPACT IF NOT PROVIDED:

Without this project, the ASDS Facility and SDVT ONE would be located at different sites, significantly impacting readiness, training, and mission objectives of SDVT ONE, and compromising the essential interoperability of SDVT ONE's command and logistics functions. SDVT ONE will be able to function as one command when both this project and the ASDS facility are completed. A short interim split of the SDVT ONE can be tolerated during the completion of the construction of the ASDS facility. However, extended operations in this manner will severely reduce the capability of this national security asset.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62813
NAVAL COMPLEX, PEARL HARBOR, HAWAII

4. Project Title	7. Project Number
RELOCATE SEAL DELIVERY VEHICLE TEAM	533

(...continued)

project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 11/99
- (C) Date Design Complete..... 06/00
- (D) Percent Complete As Of September 1999..... 10%
- (E) Percent Complete As Of January 2000..... 60%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 774
- (B) All Other Design Costs..... 554
- (C) Total..... 1328
- (D) Contract..... 1138
- (E) In-House..... 190

(4) Contract Award..... 02/01

(5) Construction Start..... 03/01

(6) Construction Completion..... 10/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
CCTV SYSTEM	2001	OPN	38
INTRUSION DETECTION SYSTEM	2001	OPN	63
UNINTERRUPTIBLE POWER SUPPLY	2001	OPN	7

Activity POC: LCDR JEFFREY DRAPER Phone No: (808) 474-8190

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62813	4. Project Title
NAVAL STATION PEARL HARBOR, HAWAII	BACHELOR ENLISTED QUARTERS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204796N	721.11	593	16,500

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
BACHELOR ENLISTED QUARTERS	M2	5,251	-	13,010
BUILDING (2+0)	M2	5,251	2,290	(12,020)
BUILT-IN EQUIPMENT	LS	-	-	(340)
BREEZEWAY	LS	-	-	(380)
INFORMATION SYSTEMS	LS	-	-	(220)
TECHNICAL OPERATING MANUALS	LS	-	-	(50)
SUPPORTING FACILITIES	LS	-	-	2,480
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(740)
ELECTRICAL UTILITIES	LS	-	-	(650)
MECHANICAL UTILITIES	LS	-	-	(190)
SITE IMPROVEMENTS	LS	-	-	(420)
DEMOLITION	LS	-	-	(480)

SUBTOTAL	-	-	-	15,490
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	15,490
Supervision Inspection & Overhead (6.5%)	-	-	-	1,010

TOTAL REQUEST	-	-	-	16,500
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Multi-story (not to exceed five stories) reinforced concrete building; 87 "2+0" modules consisting of two 2-sailor rooms, each with a semi-private bath; lounges, laundry room, administrative area, elevator, refuse collection area, and ancillary and support spaces; fire sprinkler and alarm system, information systems, security monitoring, air conditioning, and utilities; demolition of existing paved surfaces, including an abandoned concrete apron/hangar foundation; new roadways and parking lots, landscaping, technical operating manuals.

Intended grade mix: 348 E1-E4; Maximum utilization: 348 E1-E4

11. Requirement: 2,151 PN Adequate: 734 PN Substandard: 980 PN

PROJECT:
Constructs a bachelor enlisted quarters to the 2+0 standard to support Oahu-wide regional billeting requirements.

(Continued On DD 1391C)

(...continued)

Bachelor Enlisted Quarters = 5,251 m2 = 56,521 Square Feet
Building (2+0) = 5,251 m2 = 56,521 Square Feet (Current mission)

REQUIREMENT:

Adequate regional bachelor enlisted facilities are required to accommodate the E1-E4 personnel on Oahu. The Oahu regional requirement includes the following areas:
- Naval Station, Pearl Harbor
- Naval Magazine, Lualualei
- Naval Computer and Telecommunication Area Master Station Pacific, Honolulu
- Naval Security Group Activity, Kunia

The primary mission of Naval Station, Pearl Harbor, is to provide base operating support for the operating forces of the U.S. Navy and for dependent activities and other commands as assigned and to provide support for submarine and surface ship training. The Naval Station is the program manager and provider of shore services to the Oahu region for operational control of the harbor and support functions including bachelor quarters, family services, and morale, welfare, and recreation.

CURRENT SITUATION:

Oahu's existing available Navy E1-E4 bachelor enlisted facility assets, 1,714 PN, do not accommodate the 2,151 E1-E4 bachelor personnel currently assigned to Oahu Navy bases. Additionally, the facilities are inadequate, 1940-vintage, have severe material deterioration, have repair costs exceeding 75% of new construction cost, and are considered for demolition.

IMPACT IF NOT PROVIDED:

The Naval Station will not be able to provide adequate billeting facilities for relocating personnel. Navy junior enlisted personnel will have to seek private rental housing. This will be a difficult task for junior enlisted personnel due to Hawaii's high cost rental market. The Oahu Military Housing Market Analysis concludes that, by the year 2001, there will be a significant unsatisfied requirement in military bachelor and family housing when accounting for on-base military-owned and off-base rental units on Oahu. Military personnel will be forced to accept substandard, overcrowded living arrangements where available. These conditions are unacceptable and will negatively impact the operational

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62813
NAVAL STATION PEARL HARBOR, HAWAII

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	593

(...continued)
readiness of Navy units as well as the morale, welfare, and retention of skilled and dedicated military personnel.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 04/01
- (D) Percent Complete As Of September 1999..... 30%
- (E) Percent Complete As Of January 2000..... 30%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 250
- (B) All Other Design Costs..... 200
- (C) Total..... 450
- (D) Contract..... 200
- (E) In-House..... 250

(4) Contract Award..... 01/01

(5) Construction Start..... 04/01

(6) Construction Completion..... 07/03

B. Equipment associated with this project which will be provided from other appropriations: NONE.

C. FY 1999 Unacccompanied Housing Real Property Maint Conducted ($000) 3060
D. FY 2000 Unacccompanied Housing Real Property Maint Conducted ($000) 898
E. Future Unacccompanied Housing Real Property Maint Requirements ($000) 4958

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62813
NAVAL STATION PEARL HARBOR, HAWAII

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	593

(...continued)

Activity POC: LCDR JEFFREY DRAPER Phone No: (808) 474-8190

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00210	4. Command	5. Area Constr Cost Index
NAVAL TRAINING CENTER GREAT LAKES ILLINOIS	Chief of Naval Education and Training	1.26

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	513	4,600	1,470	0	9,090	0	747	1,635	0	18,055
b. End FY 2006	554	4,799	1,265	0	7,618	0	747	1,635	0	16,618

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (1,021.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	105,490.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	9,170.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	121,400.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	81,718.00
g.	REMAINING DEFICIENCY.....	1,077,873.00
h.	**GRAND TOTAL.....**	**1,395,651.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
171.40	RTC DRILL HALL	6,050 m2	11,700	12/98	04/01
171.40	PHYSICAL TRNG FAC	16,975 m2	35,000	12/98	04/01
721.11	RECRUIT BARRACKS	15,993 m2	37,000	01/99	04/01
721.11	RECRUIT BARRACKS	15,993 m2	37,700	01/99	04/01

	TOTAL		121,400		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

171.20	CBU TRAINING BUILDING	2,239 m2	5,274
721.11	BEQ (RTC STAFF)	10,684 m2	24,728
171.40	REPLACE RTC DRILL HALL	6,050 m2	11,774
721.14	BEQ A SCHOOL REPL	17,075 m2	39,942

	TOTAL		81,718

c. Real Property Maintenance Backlog ($000): $ 242,518

10. Mission Or Major Functions:

Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel. Recruit Training Command Service School Command

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00210	4. Command	5. Area Constr Cost Index
NAVAL TRAINING CENTER GREAT LAKES ILLINOIS	Chief of Naval Education and Training	1.26

(...continued)

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00210	4. Project Title
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS	RECRUIT TRAINING DRILL HALL

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0805796N	171.40	640	11,700

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
RECRUIT TRAINING DRILL HALL	M2	6,050	-	7,560
DRILL HALL	M2	6,050	1,241	(7,510)
TECHNICAL OPERATING MANUALS	LS	-	-	(50)
SUPPORTING FACILITIES	LS	-	-	3,480
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(1,500)
ELECTRICAL UTILITIES	LS	-	-	(380)
MECHANICAL UTILITIES	LS	-	-	(470)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(470)
DEMOLITION	LS	-	-	(660)

SUBTOTAL	-	-	-	11,040
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	11,040
Supervision Inspection & Overhead (6.0%)	-	-	-	660

TOTAL REQUEST	-	-	-	11,700
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Permanent-type open-bay drill hall with clear span, training support spaces, administrative offices, fire protection system, air conditioning, electrical and mechanical supporting utilities, paving, site improvements, technical operating manuals, and demolition of one drill hall.

11. Requirement: 6,050 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Constructs a replacement Drill Hall at the Recruit Training Command for year round training.

Recruit Training Drill Hall = 6,050 m2 = 65,229 Square Feet (Current mission)

REQUIREMENT:

Adequate facilities are required to support mission mandatory training such as close order drill, physical fitness training, ceremonial

(Continued On DD 1391C)

(...continued)

exercises, and other large divisional assemblies during harsh winter conditions (Nov-Mar), excessive heat days (July-Sept), and inclement weather during the year. This is a proactive initiative to recapitalize the second of four facilities and eliminate the potential of catastrophic failure of the existing facilities or closure for safety considerations.

CURRENT SITUATION:

The existing three drill halls used for drilling and physical fitness training were semi-permanent structures that were constructed in 1942 as temporary buildings with an intended useful life of five years. All drill halls are fully utilized for various recruit training activities during daily training hours (0430-2000). When inclement weather prevents outdoor training, barracks space must be used since the drill halls are at maximum capacity. All drill halls have been under continuous repair since 1943 for delaminated wood arches and biological decomposition. A near catastrophic failure of most arches occurred in 1982 and as a result, a major renovation project was undertaken in 1984 to extend the useful life of the facilities for 15 years. Presently, there are indications of accelerated wood rot and delamination of the arches and deterioration of roof decking and tie beams. The progression of delamination and, in particular, biological decomposition has worsened, as indicated by current roof deflections similar to those that preceded the collapse of another drill hall.

IMPACT IF NOT PROVIDED:

Structural deterioration of the drill halls will continue to accelerate with time to a point where eventually the facilities will have to be closed for safety considerations. Without drill hall facilities, RTC will not be able to train sailors on a year round basis in the basics of physical fitness and drilling.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
(A) Date Design Started..... 12/98
(B) Date Design 35% Complete..... 03/00

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00210
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS

4. Project Title	7. Project Number
RECRUIT TRAINING DRILL HALL	640

(...continued)

(C) Date Design Complete..... 04/01
(D) Percent Complete As Of September 1999..... 5%
(E) Percent Complete As Of January 2000..... 20%
(F) Type of Design Contract..... Design Build
(G) Parametric Estimate used to develop cost..... Yes
(H) Energy study/life-cycle analysis performed..... No

(2) Basis:
(A) Standard or Definitive Design: No
(B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 0
(B) All Other Design Costs..... 140
(C) Total..... 140
(D) Contract..... 30
(E) In-House..... 110

(4) Contract Award..... 11/00

(5) Construction Start..... 04/01

(6) Construction Completion..... 06/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LT KEVIN BROWN Phone No: 847- 688-4818

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00210	4. Project Title
NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS	PHYSICAL TRAINING FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0805796N	171.40	710	35,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PHYSICAL TRAINING FACILITY	M2	16,975	-	26,580
BUILDING	M2	16,975	1,549	(26,290)
BUILT-IN EQUIPMENT	LS	-	-	(90)
TECHNICAL OPERATING MANUALS	LS	-	-	(200)
SUPPORTING FACILITIES	LS	-	-	6,440
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(2,120)
ELECTRICAL UTILITIES	LS	-	-	(1,300)
MECHANICAL UTILITIES	LS	-	-	(1,400)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(900)
DEMOLITION	LS	-	-	(720)

SUBTOTAL	-	-	-	33,020
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	33,020
Supervision Inspection & Overhead (6.0%)	-	-	-	1,980

TOTAL REQUEST	-	-	-	35,000
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Three-story concrete and masonry, steel framed enclosed building (Seismic Zone 1) including a basement; sloped roof; heating, ventilation, and air conditioning; fire protection; electrical, mechanical, and underground utilities; indoor track; fitness and aerobics area; free weights and other fitness equipment; paving and site improvements; and, demolition of one drill hall.

11. Requirement: 16,975 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Constructs a new recruit physical training facility at the Recruit Training Command (RTC) to replace existing drill hall Building 1400 and Building 800.

Physical Training Facility = 16,975 m2 = 182,717 Square Feet (Current mission)

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00210
NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS

4. Project Title	7. Project Number
PHYSICAL TRAINING FACILITY	710

(...continued)

REQUIREMENT:

Adequate indoor space is required for the current physical fitness program in the RTC curriculum. Physical fitness plays a critical role in today's recruit training environment. The frequency of physical training required for each recruit has recently increased. A facility is needed to provide a single location to perform the physical fitness regimen necessary to maintain the RTC physical readiness standards.

CURRENT SITUATION:

The physical fitness training for recruits is hampered by the lack of suitable facilities. A high volume of this training is currently being conducted in drill halls, Buildings 1400 and 800, and in the barracks. Building 1400 and Building 800 were constructed in 1942 as temporary buildings with an intended useful life of 5 years. Drill halls have been under continuous repair since 1943 for delaminated wooden arches and biological decomposition. A near catastrophic failure of most arches occurred in 1982 and as a result, a major renovation project was undertaken in 1984 to extend the useful life of the facilities for 15 years. Approximatety $600,000 per drill hall was expended to patch up these drill halls. A 1998 Structural Engineering study reports indications of accelerated wood rot and delamination of the arches and deterioration of roof decking and tie beams. The progression of delamination and, in particular, biological decomposition has worsened as indicated by current roof deflections similar to those that preceded the collapse of another drill hall. Conducting physical fitness and drill training in the barracks is unsuitable.

IMPACT IF NOT PROVIDED:

If the deficiency is not corrected, the physical fitness training mission requirements will not be met. The Navy's goal to produce fit, disciplined and motivated sailors will not be realized if these facilities are not replaced. Mission support and readiness throughout the Navy will be impacted without suitable fitness and drill training facilities. Deficiencies in the physical training program and facilities at RTC Great Lakes were highlighted during Congressional hearing on the Kassenbaum-Baker Committee Report and also noted by the Secretary of Defense.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00210
NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS

4. Project Title	7. Project Number
PHYSICAL TRAINING FACILITY	710

(...continued)

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 04/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 20%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 0
- (B) All Other Design Costs..... 155
- (C) Total..... 155
- (D) Contract..... 35
- (E) In-House..... 120

(4) Contract Award..... 11/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 01/03

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LT KEVIN BROWN Phone No: 847- 688-4818

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00210	4. Project Title
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS	RECRUIT BARRACKS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0805796N	721.11	730	37,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
RECRUIT BARRACKS	m2	15,993	-	28,730
BACHELOR ENLISTED QUARTERS	m2	13,728	1,728	(23,720)
APPLIED INSTRUCTION BUILDING	m2	912	1,858	(1,690)
ENLISTED DINING	m2	1,353	2,012	(2,720)
BUILT-IN EQUIPMENT	LS	-	-	(400)
TECHNICAL OPERATING MANUALS	LS	-	-	(200)
SUPPORTING FACILITIES	LS	-	-	6,180
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(2,200)
ELECTRICAL UTILITIES	LS	-	-	(1,280)
MECHANICAL UTILITIES	LS	-	-	(1,160)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(1,540)

SUBTOTAL	-	-	-	34,910
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	34,910
Supervision Inspection & Overhead (6.0%)	-	-	-	2,090

TOTAL REQUEST	-	-	-	37,000
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Three-story, concrete and masonry, steel framed building with standing seam metal roof, heating, mess area, entrance canopy, elevators, ventilation and air conditioning, electrical and mechanical utilities, fire protection, telephone and underground conduit and wiring, technical operating manuals, parking and site improvements. Intended Grade mix: 1,056 Recruits. Maximum utilization 1,056 Recruits.

11. Requirement: 1,056 PN Adequate: 0 PN Substandard: 0 PN

PROJECT:

Provides a new 1,056 PN Recruit Barracks for open-bay housing of recruits, messing facilities, and academic instruction spaces in the same building to provide more efficient training time. This new training concept is currently being used successfully by the Army and Air Force and utilizes an "all in one complex" (AIOC) for more efficient use of training time.

Recruit Barracks = 15,993 m2 = 172,147 Square Feet

(Continued On DD 1391C)

(...continued)

Bachelor Enlisted Quarters = 13,728 m2 = 147,767 Square Feet
Applied Instruction Building = 912 m2 = 9,816 Square Feet
Enlisted Dining = 1,353 m2 = 14,564 Square Feet (Current mission)

REQUIREMENT:

Adequate recruit barracks are required to house 1,056 recruits. This project is one of two initial projects to correct this space deficiency and institute a new training concept where the academic recruit training is done in the same facility as the living quarters. Future projects will be submitted to replace all of the existing barracks using this AIOC concept.

CURRENT SITUATION:

Recruit training is hampered by the lack of suitable or adequate berthing facilities. Currently, recruits are housed in barracks that have a space allowance of 50 Net Square Feet (NSF) per recruit and a waiver is required to operate in this manner. This does not meet the current standard of 72 NSF per recruit. In addition, the current facilities were built in the 1950's and 1960's and are reaching the end their useful life. Maintenance is a major problem and there is no air conditioning in any of the barracks. Based on a current study evaluating the Recruit Training Center (RTC) Barracks, approximately $25 million per barracks will be required to correct the current maintenance backlog and criteria deficiencies. This project is required to correct the existing deficiency in berthing space at RTC Great Lakes.

IMPACT IF NOT PROVIDED:

If the deficiency is not corrected, the training mission requirements will be severely impacted. The Navy's long range recruiting goals will not be realized if these facility deficits continue to exist. Mission support and readiness throughout the Navy will be impacted if recruit training is limited by lack of berthing and training spaces. These deficiencies at RTC Great Lakes are resulting in the inability to train an adequate number of recruits to meet the fleet requirements. This is a major concern to Chief of Naval Operations and the Secretary of the Navy.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00210
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS

4. Project Title	7. Project Number
RECRUIT BARRACKS	730

(...continued)

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 01/99
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 04/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 20%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 0
- (B) All Other Design Costs..... 160
- (C) Total..... 160
- (D) Contract..... 40
- (E) In-House..... 120

(4) Contract Award..... 11/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 01/03

B. Equipment associated with this project which will be provided from other appropriations: NONE.

C. FY 1999 Unacccompanied Housing Real Property Maint Conducted ($000) 7204
D. FY 2000 Unacccompanied Housing Real Property Maint Conducted ($000) 7279
E. Future Unacccompanied Housing Real Property Maint Requirements ($000) 42500
Activity POC: LT KEVIN BROWN Phone No: 847- 688-4818

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00210	4. Project Title
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS	RECRUIT BARRACKS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0805796N	721.11	731	37,700

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
RECRUIT BARRACKS	m2	15,993	-	28,730
BACHELOR ENLISTED QUARTERS	m2	13,728	1,728	(23,720)
APPLIED INSTRUCTION BUILDING	m2	912	1,858	(1,690)
ENLISTED DINING	m2	1,353	2,012	(2,720)
BUILT-IN EQUIPMENT	LS	-	-	(400)
TECHNICAL OPERATING MANUALS	LS	-	-	(200)
SUPPORTING FACILITIES	LS	-	-	6,840
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(830)
ELECTRICAL UTILITIES	LS	-	-	(1,260)
MECHANICAL UTILITIES	LS	-	-	(1,150)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(1,530)
RELOCATION OF RELOCATABLE CONFINEMENT UNIT	LS	-	-	(1,500)
DEMOLITION	LS	-	-	(570)

SUBTOTAL	-	-	-	35,570
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	35,570
Supervision Inspection & Overhead (6.0%)	-	-	-	2,130

TOTAL REQUEST	-	-	-	37,700
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Three-story, concrete and masonry, steel framed building with standing seam metal roof, heating, mess area, entrance canopy, elevators, ventilation and air conditioning, electrical and mechanical utilities, fire protection, telephone and underground conduit and wiring, technical operating manuals, parking and site improvements, relocation of adjacent Relocatable Confinement Unit (RCU), and demolition of inactive brig (building 914) and building 913.
Intended Grade mix: 1,056 Recruits. Maximum utilization 1,056 Recruits.

11. Requirement: 1,056 PN Adequate: 0 PN Substandard: 0 PN

PROJECT:
Provides a new 1,056 PN Recruit Barracks for open-bay housing of recruits, messing facilities, and academic instruction spaces in the same building to provide more efficient training time. This new training concept is

(Continued On DD 1391C)

(...continued)

currently being used successfully by the Army and Air Force and utilizes an "all in one complex" (AIOC) for more efficient use of training time.

Recruit Barracks = 15,993 m2 = 172,147 Square Feet
Bachelor Enlisted Quarters = 13,728 m2 = 147,767 Square Feet
Applied Instruction Building = 912 m2 = 9,817 Square Feet
Enlisted Dining = 1,353 m2 = 14,563 Square Feet (Current mission)

REQUIREMENT:

Adequate recruit barracks are required to house 1,056 recruits. This project is one of two initial projects to correct this space deficiency and institute a new training concept where the academic recruit training is done in the same facility as the living quarters. Future projects will be submitted to replace all of the existing barracks using this AIOC concept.

CURRENT SITUATION:

Recruit training is hampered by the lack of suitable or adequate berthing facilities. Currently, recruits are housed in barracks that have a space allowance of 50 NSF per recruit and a waiver is required to operate in this manner. This does not meet the current standard of 72 NSF per recruit. In addition, the current facilities were built in the 1950's and 1960's and are reaching the end their useful life. Maintenance is a major problem and there is no air conditioning in any of the barracks. Based on a current study evaluating the Recruit Training Center (RTC) Barracks, approximately $25 million per barracks will be required to correct the current maintenance backlog and criteria deficiencies. This project is required to correct the existing deficiency in berthing space at RTC Great Lakes.

IMPACT IF NOT PROVIDED:

If the deficiency is not corrected, the training mission requirements will be severely impacted. The Navy's long range recruiting goals will not be realized if these facility deficits continue to exist. Mission support and readiness throughout the Navy will be impacted if recruit training is limited by lack of berthing and training spaces. These deficiencies at RTC Great Lakes are resulting in the inability to train an adequate number of recruits to meet the fleet requirements. This is a major concern to Chief of Naval Operations and the Secretary of the Navy.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00210
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS

4. Project Title	7. Project Number
RECRUIT BARRACKS	731

(...continued)

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 01/99
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 04/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 20%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 0
- (B) All Other Design Costs..... 160
- (C) Total..... 160
- (D) Contract..... 40
- (E) In-House..... 120

(4) Contract Award..... 11/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 01/03

B. Equipment associated with this project which will be provided from other appropriations: NONE.

C. FY 1999 Unacccompanied Housing Real Property Maint Conducted ($000) 7204
D. FY 2000 Unacccompanied Housing Real Property Maint Conducted ($000) 7279
E. Future Unacccompanied Housing Real Property Maint Requirements ($000) 42500
Activity POC: LT KEVIN BROWN Phone No: 847- 688-4818

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60087	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION BRUNSWICK, MAINE	Commander in Chief Atlantic Fleet	0.95

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	410	2,659	590	0	0	0	79	120	0	3,858
b. End FY 2006	450	2,933	539	0	0	0	94	335	0	4,351

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (15,908.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	272,772.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	2,450.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	8,284.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	7,695.00
g.	REMAINING DEFICIENCY.....	32,560.00
h.	**GRAND TOTAL.....**	**323,761.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
116.15	ACFT DE-ICE/RINSE FAC	0 LS	2,450	03/99	06/00
	TOTAL		2,450		

9. Future Projects:

a. Included In The Following Program (FY 2002):

421.72	WEAPONS MAGS REPL	1,208 m2	2,737
721.11	BEQ E1/E4	12,070 m2	5,547
	TOTAL		8,284

b. Major Planned Next Three Years:

610.10	CONSOL OFFICE FAC	10,000 m2	7,695
	TOTAL		7,695

c. Real Property Maintenance Backlog ($000): $ 80,947

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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60087	4. Project Title
NAVAL AIR STATION BRUNSWICK BRUNSWICK ME	AIRCRAFT DE-ICE/RINSE FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204696N	116.15	115	2,450

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
AIRCRAFT DE-ICE/RINSE FACILITY	LS	-	-	1,110
BUILT-IN EQUIPMENT	LS	-	-	(1,100)
TECHNICAL OPERATING MANUALS	LS	-	-	(10)
SUPPORTING FACILITIES	LS	-	-	1,200
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(380)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(660)
SUBTOTAL	-	-	-	2,310
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	2,310
Supervision Inspection & Overhead (6.0%)	-	-	-	140
TOTAL REQUEST	-	-	-	2,450
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Concrete and bituminous pavements for aircraft de-icing/rinsing pad and concrete pavements for taxiway "G" extension connecting parallel taxiway with inboard runway. De-icing components include waste de-icing fluid collection trench, catch basins, underground storage tanks, waste glycol loading facility and related waste piping. Rinsing components include pump house, below pavement rinse nozzles, oil/water separator and related potable water piping. Technical operating manuals will be provided.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:
Provides a new, state-of-the-art aircraft de-icing/rinse facility that will be able to operate year-round. (Current mission)

REQUIREMENT:

Adequate de-icing/rinse facilities are required to support seven squadrons (four active duty and three reserve squadrons totaling 54 aircraft). Additional transient aircraft, including aircraft associated with the AEGIS testing program at Bath Iron Works, use NAS Brunswick for their

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60087
NAVAL AIR STATION BRUNSWICK BRUNSWICK ME

4. Project Title	7. Project Number
AIRCRAFT DE-ICE/RINSE FACILITY	115

(...continued)

flight operations. These aircraft require rinsing after operations to reduce airframe corrosion. There is also a need to apply de-icing fluids (propylene glycol) to the aircraft during winter operations. This project will deliver aircraft de-icing and rinsing fluids from two hydraulically operated booms, providing quicker delivery of the flights and better coverage of the aircraft, increasing operational safety of the aircraft. Below grade rinsing nozzles will provide year round rinsing capability for the underside of the aircraft.

CURRENT SITUATION:

At present, a bird bath aircraft rinse facility operates during the months of April to October. Runoff from this facility passes through an oil/water separator and is then discharged in the storm water system. This facility cannot operate during winter months due to low ambient temperatures. Additional aircraft washings (manually, in hangar) are required during the winter months when the rinse facility operations are suspended. During winter months, de-icing fluids are sprayed onto the aircraft by a fleet of Trump trucks. The de-icing fluids discharged are not recaptured, resulting in local stream contamination. While NAS Brunswick presently has a permit to discharge the de-icing fluids into the storm water system, future permit applications are expected to meet with resistance from the State of Maine.

IMPACT IF NOT PROVIDED:

Failure to provide the proposed de-icing/rinse facility will result in continued reliance on the inferior de-icing fluid delivery system obtained from Trump truck application, resulting in decreased flight operation safety. The aircraft rinse facility will continue to be operated only in warm weather, leading to either more corrosion of the airframes during winter flight operations or more frequent aircraft washing cycles. De-icing fluids will continue to be discharged into the environment, leading to possible future violations.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60087
NAVAL AIR STATION BRUNSWICK BRUNSWICK ME

4. Project Title	7. Project Number
AIRCRAFT DE-ICE/RINSE FACILITY	115

(...continued)

(A) Date Design Started..... 03/99
(B) Date Design 35% Complete..... 09/99
(C) Date Design Complete..... 06/00
(D) Percent Complete As Of September 1999..... 35%
(E) Percent Complete As Of January 2000..... 60%
(F) Type of Design Contract..... Design/Bid/Build
(G) Parametric Estimate used to develop cost..... Yes
(H) Energy study/life-cycle analysis performed..... N/A

(2) Basis:
(A) Standard or Definitive Design: No
(B) Where Design Was Most Recently Used: NAS WILLOW

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 130
(B) All Other Design Costs..... 100
(C) Total..... 230
(D) Contract..... 200
(E) In-House..... 30

(4) Contract Award..... 11/00

(5) Construction Start..... 12/00

(6) Construction Completion..... 05/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LT ALAN BALLARD Phone No: (207) 921-2661

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N0464A	4. Command	5. Area Constr Cost Index
NAVAL EXPLOSIVE ORDNANCE DISPOSAL CENTER INDIAN HEAD MARYLAND	Naval Sea Systems Command	0.91

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	72	407	2,288	0	0	0	12	39	0	2,818
b. End FY 2006	42	169	2,278	0	0	0	12	39	0	2,540

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	0.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	6,430.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	1,037.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	6,330.00
h.	**GRAND TOTAL.....**	**13,797.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
216.60	JT SVC EOD EQUIP SUPT FAC	4,186 m2	6,430	01/99	03/01
	TOTAL		6,430		

9. Future Projects:

a. Included In The Following Program (FY 2002):

216.60	JT SVC EOD EQUIP MAG EVAL	179 m2	1,037
	TOTAL		1,037

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 49,069

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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N0464A	4. Project Title
NAV EXPLOSIVE ORDNANCE DISPOSAL TECH DIV INDIAN HEAD, MARYLAND	JOINT SERVICE, EOD EQUIPMENT SUPPORT FAC

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0605851N	216.60	110	6,430

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
JOINT SERVICE, EOD EQUIPMENT SUPPORT FAC	M2	4,186	-	4,640
EOD EQUIPMENT MAINT & CERTIFICATION FAC	M2	4,186	1,041	(4,360)
TECHNICAL OPERATING MANUALS	LS	-	-	(70)
BUILT-IN EQUIPMENT (ELEVATOR)	LS	-	-	(80)
INFORMATION SYSTEMS	LS	-	-	(130)
SUPPORTING FACILITIES	LS	-	-	1,430
ELECTRICAL UTILITIES	LS	-	-	(300)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(390)
DEMOLITION & DISPOSAL OF HAZARDOUS WASTE	LS	-	-	(610)

SUBTOTAL	-	-	-	6,070
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	6,070
Supervision Inspection & Overhead (6.0%)	-	-	-	360

TOTAL REQUEST	-	-	-	6,430
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

A two story, steel-frame building, with insulated concrete masonry exterior walls, reinforced concrete floor and spread-footing foundation, and metal standing-seam insulated roof; test and repair labs, inspection area, shipping and receiving, offices, and conference room; sprinkler fire protection and alarm systems, mechanical equipment room, canopied entrance ways and loading dock areas, elevator meeting accessibility standards, air conditioning, utilities, paving and site improvements, exterior lighting, demolition of 12 buildings with disposal of asbestos and lead paint, and technical operating manuals.

11. Requirement: 4,186 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:
Constructs a replacement facility for the Joint Service Explosive Ordnance Disposal Equipment Support Facility.

Joint Service EOD Equipment Support Facility = 4,186 m2 = 45,058 Square Feet (Current mission)

(Continued On DD 1391C)

(...continued)

REQUIREMENT:

Adequate and properly configured facilities to house Joint Service Explosive Ordnance Disposal (EOD) logistics support including in-service engineering, acquisition/technical support, depot level repair, quality assurance testing and inspection, and spare parts stock point for all special EOD equipment of the Joint Service EOD teams of the Army, Navy, Air Force, and Marine Corps. Efficient and timely support for increasingly complex EOD equipment requires adequate engineering and maintenance work space, hydrostatic and environmental test labs, an oxygen cleaning lab, and environmentally controlled standard material staging areas. These functions are critical to maintaining readiness of EOD forces around the world and improving EOD tools and equipment to counter emerging threats.

CURRENT SITUATION:

Explosive Ordnance Disposal (EOD) military support demands are increasing across the spectrum of national security requirements. These functions are currently performed in 12 widely dispersed buildings scattered about the Naval EOD Technology Division. Only one of the facilities was designed for its present function. Inappropriate sizes, environmental conditions, configurations, and locations do not permit streamlined work processes for most efficient operation, resulting in reduced productivity, longer process times, and higher operating costs. The main facility is a converted WWII warehouse. The building contains asbestos and was partially condemned for structural failures.

IMPACT IF NOT PROVIDED:

Without this project it will be necessary to continue conducting essential EOD equipment logistics support functions in scattered, deteriorating buildings which are unable to support current and projected workload. Continued use of these buildings delays provision of certified EOD equipment and will increase the backlog of items needing repair. Economic analysis shows that the MILCON facility will improve the EODTECHDIV's efficiency resulting in projected annual savings. In addition, there are significant costs to repair and maintain current infrastructure, which will be avoided.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N0464A
NAV EXPLOSIVE ORDNANCE DISPOSAL TECH DIV INDIAN HEAD, MARYLAND

4. Project Title	7. Project Number
JOINT SERVICE, EOD EQUIPMENT SUPPORT FAC	110

(...continued)

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 01/99
- (B) Date Design 35% Complete..... 03/99
- (C) Date Design Complete..... 03/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 35%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 382
- (B) All Other Design Costs..... 152
- (C) Total..... 534
- (D) Contract..... 495
- (E) In-House..... 39

(4) Contract Award..... 12/00

(5) Construction Start..... 03/01

(6) Construction Completion..... 08/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LCDR STEVEN BERTOLACCINI Phone No: 301-743-4288

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63043	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION MERIDIAN MISSISSIPPI	Chief of Naval Education and Training	0.95

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	406	577	1,771	0	647	0	227	180	0	3,808
b. End FY 2006	424	416	1,784	0	577	0	227	180	0	3,608

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (12,427.00)	
b.	INVENTORY TOTAL AS OF 30 Sep 1998.....	125,290.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	4,700.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	1,620.00
g.	REMAINING DEFICIENCY.....	39,400.00
h.	**GRAND TOTAL.....**	**171,010.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
211.90	T-45 SUPPORT FACILITY	3,500 m2	4,700	09/99	04/01
	TOTAL		4,700		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

141.70	CONTROL TOWER	561 m2	1,620
	TOTAL		1,620

c. Real Property Maintenance Backlog ($000): $ 21,512

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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63043	4. Project Title
NAVAL AIR STATION MERIDIAN MISSISSIPPI	T-45 AIRCRAFT SUPPORT FACILITIES

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0805796N	211.90	289	4,700

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
T-45 AIRCRAFT SUPPORT FACILITIES	m2	3,500	-	3,520
SUPPLY FACILITY	m2	1,096	718	(790)
CONTROLLED HUMIDITY STORAGE	m2	446	1,320	(590)
MAGAZINE	m2	56	2,260	(130)
BOMB BUILDUP FACILITY	m2	50	2,005	(100)
TRAINER BUILDING MODIFICATIONS	m2	900	1,139	(1,030)
HANGER SPACE MODIFICATIONS	m2	348	833	(290)
FIELD CALIBRATION FACILITY	m2	186	1,075	(200)
INERT STORAGE	m2	418	770	(320)
TECHNICAL OPERATING MANUALS	LS	-	-	(70)
SUPPORTING FACILITIES	LS	-	-	910
CO2 DETECTION & VENTILATION	LS	-	-	(40)
HOLD BACK FITTING	LS	-	-	(200)
ELECTRICAL UTILITIES	LS	-	-	(280)
MECHANICAL UTILITIES	LS	-	-	(300)
SITE IMPROVEMENTS	LS	-	-	(90)

SUBTOTAL	-	-	-	4,430
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	4,430
Supervision Inspection & Overhead (6.0%)	-	-	-	270

TOTAL REQUEST	-	-	-	4,700
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Construct a supply warehouse with controlled humidity storage, inert storage, magazine, MK-76 practice bomb build up facility, conversion of Operational Training to Academic Instruction, installation of C02 detection and ventilation, installation of "Dead Man" device and Hold Back Fitting at Jet Engine Test Cell, field calibration facility, modify existing hangar space, electrical and mechanical utilities, heating, ventilation, air conditioning (HVAC) systems, technical operating manuals, and site improvements.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63043
NAVAL AIR STATION MERIDIAN MISSISSIPPI

4. Project Title	7. Project Number
T-45 AIRCRAFT SUPPORT FACILITIES	289

(...continued)

11. Requirement: 3,500 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:
Construct facilities required to support 90 T-45 aircraft.

T-45 Aircraft Support Facilities = 3,500 m2 = 37,674 Square Feet
Supply Facility = 1,096 m2 = 11,797 Square Feet
Controlled Humidty Storage = 446 m2 = 4,801 Square Feet
Magazine = 56 m2 = 603 Square Feet
Bomb Buildup Facility = 50 m2 = 538 Square Feet
Trainer Building Modifications = 900 m2 = 9,688 Square Feet
Hangar Space Modifications = 348 m2 = 3,746 Square Feet
Field Calibration Facility = 186m2 = 2,002 Square Feet
Inert Storage = 418 m2 = 4,499 Square Feet (Current mission)

REQUIREMENT:

Additional support facilities are required to support the planned increase from 19 to 90 T-45 Aircraft at Naval Air Station (NAS) Meridian.

CURRENT SITUATION:

The existing warehouse and ordnance facilities are too small to support the new aircraft. Adequate classroom space for pilot training is not currently available for the flight operations area. Existing facilities are inadequate to support additional T-45 Aircraft.

IMPACT IF NOT PROVIDED:

Naval Air Station Meridian will not have the facilities required to support a quantity of 90 T-45 aircraft. A slower turnaround time in maintenance and service of the aircraft will directly affect student Naval Aviator Training throughput.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
(A) Date Design Started..... 09/99

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63043
NAVAL AIR STATION MERIDIAN MISSISSIPPI

4. Project Title	7. Project Number
T-45 AIRCRAFT SUPPORT FACILITIES	289

(...continued)

(B) Date Design 35% Complete..... 12/99
(C) Date Design Complete..... 04/01
(D) Percent Complete As Of September 1999..... 5%
(E) Percent Complete As Of January 2000..... 35%
(F) Type of Design Contract..... Design Build
(G) Parametric Estimate used to develop cost..... Yes
(H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
(A) Standard or Definitive Design: No
(B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 440
(B) All Other Design Costs..... 220
(C) Total..... 660
(D) Contract..... 580
(E) In-House..... 80

(4) Contract Award..... 11/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 11/01

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LCDR MIKE DOLAN Phone No: 601-679-2417

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60478	4. Command	5. Area Constr Cost Index
NAVAL WEAPONS STATION EARLE COLTS NECK, NEW JERSEY	Naval Sea Systems Command	1.21

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	191	2,346	1,621	0	0	0	12	333	0	4,503
b. End FY 2006	174	2,382	2,735	0	0	0	19	421	0	5,731

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (11,118.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	204,810.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	2,420.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	50,903.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	38,770.00
g.	REMAINING DEFICIENCY.....	146,390.00
h.	**GRAND TOTAL.....**	**443,293.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
740.67	RECREATION CENTER	1,279 m2	2,420	09/99	07/00
	TOTAL		2,420		

9. Future Projects:

a. Included In The Following Program (FY 2002):

148.25	EXPLS TRUCK HOLDING YARDS	13,187 m2	3,727
151.20	PIER REPLACEMENT (PH I)	15,750 SY	47,176
	TOTAL		50,903

b. Major Planned Next Three Years:

151.20	PIER REPLACEMENT (PH II)	15,750 SY	38,770
	TOTAL		38,770

c. Real Property Maintenance Backlog ($000): $ 24,358

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.

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60478	4. Command	5. Area Constr Cost Index
NAVAL WEAPONS STATION EARLE COLTS NECK, NEW JERSEY	Naval Sea Systems Command	1.21

(...continued)

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60478	4. Project Title
NAVAL WEAPONS STATION EARLE, NEW JERSEY	RECREATION CENTER

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0702096N	740.67	999	2,420

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
RECREATION CENTER	M2	1,279	1,627	2,080
SUPPORTING FACILITIES	LS	-	-	200
ELECTRICAL UTILITIES	LS	-	-	(40)
MECHANICAL UTILITIES	LS	-	-	(40)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(120)
SUBTOTAL	-	-	-	2,280
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	2,280
Supervision Inspection & Overhead (6.0%)	-	-	-	140
TOTAL REQUEST	-	-	-	2,420
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Permanent structure of brick and block cavity wall on a concrete slab with a standing seam metal roof on a steel structure. The facility has a food court, kitchen, bar, game room, TV/movie/dance floor/training room, Cybernet Cafe, bathrooms, offices, storage, janitorial, mechanical air and heat, utilities, fire protection, and information systems. Site improvements include a deck, sidewalks and curbs, 20 car asphalt parking lot and driveways, lighting signals, and landscaping. Access will be via existing roadways.

11. Requirement: 1,279 M2 Adequate: 0 M2 Substandard: 352 M2

PROJECT:

Construct a new waterfront cafe and recreation complex to provide additional recreational activities at NWS Earle in New Jersey.

Recreation Center: 1,279 m2 = 13,767 Square Feet (Current mission)

REQUIREMENT:

Adequate facilities are required to provide a recreational complex on NWS Earle's waterfront. NWS Earle's waterfront is homeport to four fast combat support ships (AOE class), and each has a complement of 650

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60478
NAVAL WEAPONS STATION EARLE, NEW JERSEY

4. Project Title	7. Project Number
RECREATION CENTER	999

(...continued)

sailors.

CURRENT SITUATION:

On October 8, 1998 the Pier 5 Club, located on the waterfront of NWS Earle, burned to the ground. The facility provided breakfast, lunch, and dinner food service and catering; a bar; and a game room with three pool tables and twenty arcade games. Occupancy levels for the facility averaged 300 people inside plus 300 on the outside patio during warm weather months. When ships were in port, the facility had waiting lines for entry in the evening. Because of the remote location of the Earle Piers, use of commercial facilities is not feasible.

IMPACT IF NOT PROVIDED:

The waterfront population will not have adequate food, beverage, and recreation facilities. Restaurant food service would be limited to the sandwich shop and a snack bar at the temporary facility. Neither is large enough to handle the average waterfront population.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 09/99
- (B) Date Design 35% Complete..... 12/99
- (C) Date Design Complete..... 07/00
- (D) Percent Complete As Of September 1999..... 10%
- (E) Percent Complete As Of January 2000..... 50%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 120

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60478
NAVAL WEAPONS STATION EARLE, NEW JERSEY

4. Project Title	7. Project Number
RECREATION CENTER	999

(...continued)

(B) All Other Design Costs..... 60
(C) Total..... 180
(D) Contract..... 160
(E) In-House..... 20

(4) Contract Award..... 11/00

(5) Construction Start..... 12/00

(6) Construction Completion..... 05/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LCDR STEVE CHALLEEN Phone No: 732-577-2386

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001	4. Command	5. Area Constr Cost Index
MARINE CORPS BASE CAMP LEJEUNE NORTH CAROLINA	Commandant of the Marine Corps	0.94

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	125	1,097	1,603	333	6,891	0	2,005	24,839	3,118	40,011
b. End FY 2006	124	1,022	1,602	333	6,982	0	2,483	28,175	3,055	43,776

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (127,507.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	924,720.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	41,870.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	13,408.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	102,562.00
g.	REMAINING DEFICIENCY.....	351,330.00
h.	**GRAND TOTAL.....**	**1,433,890.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
143.41	AMPHIB OPERS/MAINT COMPLEX	5,315 m2	9,500	08/99	10/00
441.12	OPS MAINT STORAGE FAC	3,007 m2	3,650	08/99	11/00
740.74	CHILD DEVELOPMENT CENTER	2,396 m2	4,420	09/98	06/00
143.45	ARMORIES	8,855 m2	10,000	06/99	07/01
721.11	BEQ	8,500 m2	14,300	07/99	04/01

	TOTAL		41,870		

9. Future Projects:

a. Included In The Following Program (FY 2002):

740.43	FITNESS CENTER	1,970 m2	3,954
214.51	ENGR EQUIP MAINT SHOP	42,225 SF	6,661
214.53	MAINT SHOP/UTIL PLATOON	6,140 SF	2,793

	TOTAL		13,408

b. Major Planned Next Three Years:

179.40	RETS RANGE	0 LS	3,382
179.40	RETS EQ INSTALL MPMG,SR8	0 LS	5,021
171.20	SIM MARKSMANSHIP TRAINING	11,148 m2	7,828
* 833.15	LANDFILL CELL	0 LS	6,537
179.50	FIELD TRAINING FACILITIES	18,836 SF	3,222
171.10	RANGE INSTRUMENTATION FAC	0 LS	1,225

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001	4. Command	5. Area Constr Cost Index
MARINE CORPS BASE CAMP LEJEUNE NORTH CAROLINA	Commandant of the Marine Corps	0.94

(...continued)

721.11	BEQ	0	LS	16,674
721.11	BEQ	0	LS	13,931
721.11	BEQ	0	LS	14,374
171.10	ACADEMIC BUILDING	0	LS	12,151
214.51	COMBAT VEH MAINT SHOP	30,956	SF	6,263
721.11	BEQ	120,240	SF	8,846
214.53	ENGINEERING EQUIP SHOP	56,140	SF	3,108

	TOTAL			102,562

c. Real Property Maintenance Backlog ($000): $ 92,100

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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 6,537

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	AMPHIBIOUS OPS/MAINT/STORAGE COMPLEX

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	143.41	019	9,500

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
AMPHIBIOUS OPS/MAINT/STORAGE COMPLEX	m2	5,315	-	4,840
AMPHIBIOUS OPERATIONS/MAINTENANCE COMPLEX	m2	2,322	1,195	(2,770)
COVERED AND HAZMAT STORAGE	m2	2,947	623	(1,840)
FUEL BLADDER STORAGE	LS	-	-	(50)
ARMORY	m2	46	1,341	(60)
BUILT-IN EQUIPMENT	LS	-	-	(120)
SUPPORTING FACILITIES	LS	-	-	4,120
BOAT RAMP	LS	-	-	(100)
PIER/BERTHING	LS	-	-	(1,100)
VEH/BOAT WASHRACK AND FUELING FACILITY	LS	-	-	(190)
GRIT CHANGER/OIL WATER SEPARATOR	LS	-	-	(30)
FUEL STORAGE	LS	-	-	(250)
ELECTRICAL UTILITIES	LS	-	-	(250)
MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENTS, AND DEMOLITION	LS	-	-	(2,070)
FORCE PROTECTION	LS	-	-	(50)
	LS	-	-	-
SUBTOTAL	-	-	-	8,960
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	8,960
Supervision Inspection & Overhead (6.0%)	-	-	-	540
TOTAL REQUEST	-	-	-	9,500
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	157

10. Description of Proposed Construction

Steel frame and masonry building with concrete foundation and floor slab, steel joist with steel deck roof and partial steel beam and concrete deck roof, grading, paving, boat ramp, pier, fueling facility, mechanical and electrical work to include all utility connections, pollution abatement features, wash aprons, paint booth, covered boat and hazardous materiel storage, a bridge crane, fencing, and force protection features.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA

4. Project Title	7. Project Number
AMPHIBIOUS OPS/MAINT/STORAGE COMPLEX	019

(...continued)

11. Requirement: 5,315 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

Constructs an Amphibious Operations/Maintenance/Storage Complex with direct water access for the Small Craft Company, Headquarters Battalion, 2d Marine Division, MCB Camp Lejeune, NC.

Amphibious Ops/Maint/Storage Complex = 5,315 m2 = 57,210 Square Feet
Amphibious Operatioons/Maintenance Complex = 2,322 m2 = 24,994 Square Feet
Covered and Hazard Material Storage = 2,947 m2 = 31,721 Square Feet
Armory - 46 m2 = 495 Square Feet (Current mission)

REQUIREMENT:

A consolidated and adequate amphibious operations, maintenance, and storage complex with direct water access is required to support the mission requirements of the Second Marine Division's Small Craft Company.

CURRENT SITUATION:

In February 1997, the II MEF Special Operations Training Group (SOTG) was reorganized to better support the Marine Corps Riverine Operations mission. The Small Craft Company (SCC) currently supporting this mission works out of four WWII-era wooden mule stables located in the industrial district of Camp Lejeune. Currently, the SCC has no direct water access and thus must tow their Raider Crafts several miles through busy mainside Camp Lejeune streets to either the recreational ramp at Gotttschalk Marina and launch as opportunity permits, or travel 8 miles to Courthouse Bay and share with the Amphibious Assault Vehicles Battalion. No piers exist that will allow the docking of watercraft for extended periods, so the boat company is forced to be "land-based" at all times. The existing facilities in the industrial district are insufficient in size to properly and safely repair, maintain, and store the unit's equipment and vehicles. Areas required for special maintenance functions do not exist (such as fiberglass repair, painting, marine engine repair). The Company's 17 Riverine Assault Crafts (RACs), 65 Rigid Raider Crafts (RRCs), 80 Zodiacs (rubber boats), 14 five-ton trucks, 17 Humvees, multiple trailors, motors, and equipment are mostly stored outside in the corrosive salt air environment under tarps. In addition, since most of the craft are too large to fit into the limited designated maintenance areas, work is usually performed outside. Finally, the rubber Zodiacs, because they are

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA

4. Project Title	7. Project Number
AMPHIBIOUS OPS/MAINT/STORAGE COMPLEX	019

(...continued)

so pilferable, must be deflated (against recommended procedure) and be folded small enough to fit into the limited available storage space. This causes rapid deterioration and increases the time required to prepare the boats for operations and training.

IMPACT IF NOT PROVIDED:

Without consolidated facilities with water access that can provide adequate space for operations, maintenance, and storage, the 2d Marine Division Small Craft Company's combat readiness to perform the Riverine mission will continue to be severely degraded. The Small Craft Company will continue to spend an inordinate amount of time trying to maintain equipment in facilities inadequate to the task and transporting craft from the mainside base industrial area through traffic to piers miles away that have limited access. These logistics interruptions will continue to impact the opportunity and time available to train or to perform the Riverine mission.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 08/99
- (B) Date Design 35% Complete..... 01/00
- (C) Date Design Complete..... 10/00
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 35%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 605
- (B) All Other Design Costs..... 302
- (C) Total..... 907

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA

4. Project Title	7. Project Number
AMPHIBIOUS OPS/MAINT/STORAGE COMPLEX	019

(...continued)

(D) Contract..... 806
(E) In-House..... 101

(4) Contract Award..... 02/01

(5) Construction Start..... 03/01

(6) Construction Completion..... 12/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Collateral Equipment	O&M,MC	2002	157

Activity POC: Larry Brant Phone No: (910) 451-1833

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	OPERATIONS/ MAINTENANCE/STORAGE FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	441.12	118	3,650

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
OPERATIONS/ MAINTENANCE/STORAGE FACILITY	m2	3,007	-	2,650
COMMUNICATIONS/ELECTRONICS STORAGE	m2	2,452	636	(1,560)
VEHICLE MAINTENANCE SHOP WHEELED	m2	163	1,572	(260)
OPERATIONS AREA	m2	278	1,560	(430)
ELEC/COMM TESTING OPERATIONS	m2	114	1,741	(200)
BUILT-IN EQUIPMENT	LS	-	-	(180)
TECHNICAL OPERATING MANUALS	LS	-	-	(20)
SUPPORTING FACILITIES	LS	-	-	790
ELECTRICAL UTILITIES	LS	-	-	(140)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(320)
FORCE PROTECTION	LS	-	-	(70)
DEMOLITION	LS	-	-	(190)

SUBTOTAL	-	-	-	3,440
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	3,440
Supervision Inspection & Overhead (6.0%)	-	-	-	210

TOTAL REQUEST	-	-	-	3,650
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	149

10. Description of Proposed Construction

Single story, steel frame building with walls of brick veneer on Concrete Masonry Unit (CMU) backup, concrete foundation and floor, standing seam metal roof, building insulation, air conditioning, dehumidified storage area, fire protection and alarm systems, telephone, utilities, paving and site improvements. Demolish five buildings.

11. Requirement: 3,007 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

Constructs an operations, maintenance, and storage facility for the 8th Communications Battalion, 2d Marine Division, MCB Camp Lejeune, NC.

Operations/Maintenance/Storage Facility = 3,007 m2 = 32,367 Square Feet
Communications/Electronics Storage = 2,452 m2 = 26,393 Square Feet
Vehicle Maintenance Shop Wheeled = 163 m2 = 1,755 Square Feet

(Continued On DD 1391C)

(...continued)

Operations Area = 278 m2 = 2,992 Square Feet
Elec/Comm Testing Operations = 114 m2 = 1,227 Square Feet (Current mission)

REQUIREMENT:

Provide an adequate operations, maintenance, and storage facility for the 8th Communications Battalion at MCB Camp Lejeune, NC to accommodate the personnel and equipment of three Direct Support Communications Companies (150 Marines each). Each D/S Company's table of equipment includes digital radios, 10-20 foot radio/communications military vans, 100 radio Humvees, tactical telephones, cryptographic items, field wiring harnesses, and organizational (1st and 2nd echelon) test equipment. The 8th Comm Bn's mission is to provide intermediate maintenance to communications electronic equipment (to include satellite systems computers) and organic cryptographic software storage and hardware repair capability.

CURRENT SITUATION:

The 8th Communications Battalion currently occupies five inadequate buildings. Constructed between 1948 and 1952 as warehouses, these buildings lack sufficient utilities, electrical power, and space to support the mission requirements of the three Direct Support Companies.

The existing 8th Communications Battalion buildings have no heating, air-conditioning, or plumbing. Consequently, Marines endure the high humidity, over 90 degree North Carolina summers with only floor fans and relaxed uniform rules (PT gear) providing respite. The excess humidity also causes a serious corrosive environment around sensitive electronic equipment that requires the Marines to do three times more maintenance than normal. In the winter, Marines must use kerosene space heaters to curb the freezing temperatures. With no plumbing, the 8th Comm Bn must use "Port-A-Jon" outdoor restroom facilities (3 servicing 450 Marines), a tactical water bull for drinking water, and a garden hose for washing requirements.

Additionally, the building's lack of sufficient electrical power (buildings are wired with 110V vice the required 3-phase 208V) force the 8th Comm Bn to maintain radio equipment and to train Marines outdoors in a parking lot using tactical generators. The limited power supply significantly slows maintenance production and overburdens tactical generators that are made for field vice garrison use. When indoor repair

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA

4. Project Title	7. Project Number
OPERATIONS/ MAINTENANCE/STORAGE FACILITY	118

(...continued)

of especially sensitive gear is required, the Battalion must borrow maintenance space from other base units who have adequate power sources.

Finally, the limited space in the existing facilities, combined with the requirement to securely store all communications gear, forces the 8th Comm Bn to sacrifice operational training and maintenance spaces for storage. Marines must cram Company communications gear on the few available shelves or stack equipment in numerous embarkation boxes throughout the complex. This adversely impacts equipment readiness, especially during inclement weather, because lack of indoor maintenance space complicates and delays repair and training operations. Current facilities also have no indoor space to maintain the 8th Comm Bn's large fleet of tactical vehicles.

IMPACT IF NOT PROVIDED:

The 8th Comm Bn will continue to operate in inadequate facilities that do not have the electrical power, climate control, or plumbing to meet minimum quality of work standards. This situation will continue to impair the 8th Comm Bn's ability to effectively perform their mission. High humidity will continue to promote premature deterioration of electronic components and will increase costs of maintenance for these items. Marines will continue to use kerosene heaters, port-o-Jon's, and contracted bottled water for warmth, hygiene, and hydration.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 08/99
- (B) Date Design 35% Complete..... 01/00
- (C) Date Design Complete..... 11/00
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 35%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: No

(...continued)

(B) Where Design Was Most Recently Used: N/A

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 232
(B) All Other Design Costs..... 116
(C) Total..... 348
(D) Contract..... 310
(E) In-House..... 38

(4) Contract Award..... 03/01

(5) Construction Start..... 04/01

(6) Construction Completion..... 06/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Collateral Equipment	O&M,MC	2002	149

Activity POC: Larry Brant Phone No: (910) 451-1833

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	CHILD DEVELOPMENT CENTER

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	740.74	124	4,420

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
CHILD DEVELOPMENT CENTER	m2	2,396	-	3,260
BUILDING	m2	2,396	1,340	(3,210)
TECHNICAL OPERATING MANUALS	LS	-	-	(50)
SUPPORTING FACILITIES	LS	-	-	910
ELECTRICAL UTILITIES	LS	-	-	(70)
MECHANICAL UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(640)
FORCE PROTECTION	LS	-	-	(50)
SUBTOTAL	-	-	-	4,170
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	4,170
Supervision Inspection & Overhead (6.0%)	-	-	-	250
TOTAL REQUEST	-	-	-	4,420
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	322

10. Description of Proposed Construction

One-story facility with a foundation of concrete spread footings, masonry walls, steel framing, concrete floors, a standing seam roof, fire protection system, security lighting and other force protection features, closed circuit television, air conditioning, fenced-in playground with playground equipment and storage building, kitchen and laundry areas, classrooms, offices, toilets, storage spaces, utilities, and paving and site improvements. The interior will be finished with a combination of vinyl/quarry tile, carpet, painted concrete masonry unit walls, accoustical tile, gypsum board, and suspended ceilings.

11. Requirement: 2,396 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:
Construct a Child Development Center (CDC) for 305 children and eliminate one relocatable trailer complex.

Child Development Center = 2,396 m2 = 25,790 Square Feet (Current mission)

REQUIREMENT:

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA

4. Project Title	7. Project Number
CHILD DEVELOPMENT CENTER	124

(...continued)

Provide an adequate Child Development Center that meets safety and size requirements for use by active duty military personnel at Marine Corps Base (MCB) Camp Lejeune, NC. The Marine Corps' primary east coast training site, MCB Camp Lejeune supports over 40,000 military personnel with over 56,000 dependents. The base manages its considerable child care requirements through the full use of several means: a private on-base military child care center, an in-home program, two on-base military child development centers, and off-base private facilities. The Family Child Care Program trains and manages about 90 in-home providers who care for about 475 children. The in-home program, while a viable alternative, is limited by a high turnover of providers, the need to constantly train new replacements, the higher expense, and the difficulty in tracking quality of care. Off-base facilities in the City of Jacksonville are available but not as desirable as on-base programs because of significant disparities in quality of care, location, and expense. Unlike military CDC's, which are held to rigorous Department of Defense standards, North Carolina private child care centers are not required to be nationally accredited, allow much higher ratios of children to providers, and experience high turnovers of providers who are paid only minimum wages. Off-base centers also pose an inconvenience to the large number of Marines who live in military family housing areas and must drive off the base to deliver and pick-up their children. Additionally, off-base centers are significantly more expensive to use. For example, a junior enlisted Marine would have to pay $337/month for off-base care versus the $208/month charged on base.

CURRENT SITUATION:

Currently, MCB Camp Lejeune has a requirement to provide on-base child development center care for 599 children, but it only has adequate facilities to provide care for 174 children through the use of the private Officer Wive's facility (94 children) and the Brewster CDC (80 children). A third CDC, which this MILCON project will replace, consists of a temporary complex of leased relocatable facilities located in the Tarrawa Terrace family housing area. This CDC currently handles 270 children and has a waiting list of 145. The leased CDC was opened as an interim measure after a contracted fire protection and safety survey conducted in 1994 by the Science Applications International Corporation (SAIC) closed inadequate child development centers at Tarrawa Terrace and Midway Park due to uncorrectable facility deficiencies. Not intended for permanent use, the trailors have a relatively short life expectancy (5-7 years) and already require significant maintenance due to deterioration. Walkways are warped and require daily re-nailing. Window molding is falling apart,

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA

4. Project Title	7. Project Number
CHILD DEVELOPMENT CENTER	124

(...continued)

base boards will not stay glued, and toilets overflow constantly. Rooms are improperly configured for child care and the center court area is a swamp. The facility does not meet Disabilities Act criteria. The sprinkler system pipes are corroded, the roof leaks, parking is inadequate, and door locks, handles, closures, and faucets break regularly. There is also insufficient space for adequate food preparation, classrooms, playgrounds, handicapped ramps, and parking.

IMPACT IF NOT PROVIDED:

Existing on-base Child Development Centers will continue to operate out of inadequate, interim relocatable facilities at full capacity with long waiting lists and will be unable to provide services to many eligible children. Military families will have to continue to use lesser quality and more expensive off-base facilities. Lack of adequate CDCs will continue to degrade the morale and quality of life of eligible military families.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 09/98
- (B) Date Design 35% Complete..... 02/00
- (C) Date Design Complete..... 06/00
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 20%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used: NEW RIVER

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 281
- (B) All Other Design Costs..... 141
- (C) Total..... 422

(...continued)

(D) Contract..... 375
(E) In-House..... 47

(4) Contract Award..... 11/00

(5) Construction Start..... 12/00

(6) Construction Completion..... 01/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Collateral Equipment	O&M,MC	2002	322

Activity POC: Larry Brant Phone No: (910) 451-1833

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	BACHELOR ENLISTED QUARTERS (COURTHOUSE)

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	721.11	159A	14,300

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
BACHELOR ENLISTED QUARTERS (COURTHOUSE)	m2	8,500	-	11,850
BUILDING	m2	8,500	1,378	(11,710)
TECHNICAL OPERATING MANUALS	LS	-	-	(50)
INFORMATION SYSTEMS	LS	-	-	(90)
SUPPORTING FACILITIES	LS	-	-	1,640
SPECIAL FOUNDATION FEATURES	LS	-	-	(200)
ELECTRICAL UTILITIES	LS	-	-	(430)
MECHANICAL UTILITIES	LS	-	-	(450)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(430)
FORCE PROTECTION	LS	-	-	(130)

SUBTOTAL	-	-	-	13,490
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	13,490
Supervision Inspection & Overhead (6.0%)	-	-	-	810

TOTAL REQUEST	-	-	-	14,300
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	1,935

10. Description of Proposed Construction

Multi-story reinforced concrete frame building with 200 "2x0" rooms with semi-private bathrooms and walk-in closets, cable TV (CATV) and telephone communications cabling, recreation and service areas, laundry, fire protection system, air-conditioning, utilities, technical operating manuals, exterior walkways, grade beams pile caps, pile foundations, interior and exterior masonry walls, asphalt shingle roofing, exterior equipment washdown area, outside vehicle/equipment staging area, flexible parking, force protection features, storm water detention pond, and paving and site improvements.
Maximum utilization: 400 E1-E3; Intended Grade Mix: 246 E1-E3; 77 E4-E5; Total: 323.

11. Requirement: 1,893 PN Adequate: 778 PN Substandard: 0 PN

PROJECT:
Constructs a "2x0" bachelor enlisted quarters with 200 rooms for permanent party enlisted personnel at Courthouse Bay on Marine Corps Base (MCB) Camp Lejeune, NC.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS (COURTHOUSE)	159A

(...continued)

Bachelor Enlisted Quarters = 8,500 m2 = 91,493 Square Feet (Current mission)

REQUIREMENT:

Adequate and modern bachelor housing which meets quality of life standards for permanent party enlisted personnel at Courthouse Bay on MCB Camp Lejeune.

CURRENT SITUATION:

Because of Hurricane Fran damage in 1996, enlisted personnel from the Reconnaissance Battalion (Recon Bn) previously located on Onslow Beach lost their barracks and work spaces. The Reconnaissance Battalion's work spaces were relocated to Courthouse Bay, a subcamp within the greater MCB Camp Lejeune area. However, with a BEQ requirement of 1,893 persons and only adequate space for 778 Marines, Courthouse Bay was unable to accommodate the billeting requirements of the Recon Bn Marines. Consequently, the Recon Bn's enlisted Marines were relocated to inadequate barracks in the French Creek area 12 miles from their work areas at Courthouse Bay. Recon Bn Marines now live 4 Marines to a room in three buildings built in 1968 and 1970 as 3 man rooms. These buildings, which do not meet current DoD functional space or design criteria, also have inadequate ventilation, exhaust, communications wiring, and roofs. In addition to the excessive transportation costs, efficiency losses, and degraded quality of life experienced from billeting these troops in crowded facilities far from their unit location, the Recon Bn's presence in the French Creek barracks only further exacerbates French Creek's barracks deficiencies.

IMPACT IF NOT PROVIDED:

Enlisted Marines from the Reconnaissance Battalion will continue to live in overcrowded, inadequate French Creek area barracks while traveling 24 miles round trip to Courthouse Bay for work every day.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190,

(...continued)

Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 07/99
- (B) Date Design 35% Complete..... 02/00
- (C) Date Design Complete..... 04/01
- (D) Percent Complete As Of September 1999..... 30%
- (E) Percent Complete As Of January 2000..... 60%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used: DSGN BUILD

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 850
- (B) All Other Design Costs..... 430
- (C) Total..... 1280
- (D) Contract..... 1140
- (E) In-House..... 140

(4) Contract Award..... 11/00

(5) Construction Start..... 05/01

(6) Construction Completion..... 08/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Collateral Equipment	O&M,MC	2002	1935

C. FY 1999 Unacccompanied Housing Real Property Maint Conducted ($000)
4600
D. FY 2000 Unacccompanied Housing Real Property Maint Conducted ($000)
15800
E. Future Unacccompanied Housing Real Property Maint Requirements ($000)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS (COURTHOUSE)	159A

(...continued)

30000

Activity POC: Larry Brant Phone No: (910) 451-1833

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	ARMORIES

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	143.45	150	Auth 14,000 Appr 10,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
ARMORIES	m2	8,855	-	9,550
2ND MARINES	m2	1,575	1,003	(1,580)
6TH MARINES	m2	1,575	1,003	(1,580)
8TH MARINES	m2	1,575	1,003	(1,580)
10TH MARINES	m2	1,450	1,009	(1,460)
AMPHIBIOUS ASSAULT VEHICLE BATTALION	m2	726	1,082	(790)
HEADQUARTERS BATTALION	m2	611	1,103	(670)
2ND COMBAT ENGINEER BATTALION	m2	524	1,124	(590)
COVERED CLEANING AREA	m2	819	723	(590)
BUILT-IN EQUIPMENT	LS	-	-	(530)
TECHNICAL OPERATING MANUALS	LS	-	-	(110)
INFORMATION SYSTEMS	LS	-	-	(70)
SUPPORTING FACILITIES	LS	-	-	3,660
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(180)
ELECTRICAL UTILITIES	LS	-	-	(480)
MECHANICAL UTILITIES	LS	-	-	(210)
ROADS, PARKING, AND SIDEWALKS	LS	-	-	(800)
SITE IMPROVEMENTS	LS	-	-	(560)
FORCE PROTECTION	LS	-	-	(1,070)
DEMOLITION	LS	-	-	(360)

SUBTOTAL	-	-	-	13,210
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	13,210
Supervision Inspection & Overhead (6.0%)	-	-	-	790

SUBTOTAL	-	-	-	14,000
AMT FUNDED W/ PRIOR YR UNOBLIGATED BALANCE	LS	-	-	-4,000

TOTAL REQUEST	-	-	-	10,000
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	2,450

10. Description of Proposed Construction

Armory facilities of reinforced concrete with masonry walls and exterior covered weapons cleaning areas. Structural walls shall be supported on spread footing, with a concrete slab on grade floor. The interior walls

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA

4. Project Title	7. Project Number
ARMORIES	150

(...continued)
will consist of solid concrete masonry units and provide each armory with a separate IDS system, dehumidification system, concrete floors, built-up roofing, fire protection, security fencing and lighting, compressed air, utility connections and telephones, parking, paving, and site improvements. Demolition of 15 buildings.

11. Requirement: 8,855 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:
Consolidates and replaces four regimental armories and three battalion armories for the 2nd Marine Division and demolishes 15 buildings.

Armories = 8,256 m2 = 88,867 Square Feet
2nd Marines = 1,575 m2 = 16,953 Square Feet
6th Marines = 1, 575 m2 = 16,953 Square Feet
8th Marines = 1,575 m2 = 16,953 Square Feet
10th Marines = 1,450 m2 15,608 Square Feet
Amphibious Assault Vehicle battalion = 726 m2 = 7,815 Square Feet
Headquarters Battalion = 611 m2 = 6,577 Square Feet
Covered Cleaning Area = 744 m2 = 8,008 Square Feet (Current mission)

REQUIREMENT:

Adequate consolidated armories for 2d Marine Division infantry regiments, artillery regiment, Amphibious Assault Battalion, Headquarters Battalion and Combat Engineer Battalion to secure, preserve, and maintain crew served weapons, small arms, and optical/night vision equipment.

CURRENT SITUATION:

The 2d Marine Division's crew served weapons (rifles, pistols, machine guns, mortars, night vision equipment, etc.) are currently stored in fifteen widely dispersed 1940's vintage buildings that were originally constructed as warehouses. Converted to armories in 1987, these buildings are deteriorated, undersized, not environmentally controlled, do not meet physical security requirements, and are not all located near the units they serve. Currently, 2d Division's armories have equipment stacked to the ceilings and in every available space. The overcrowded conditions inside the armories make it extremely difficult for armorers to maintain, preserve, and safely store the weapons. Additionally, non-environmentally controlled spaces in the high humidity, salt-air climate of North Carolina makes fighting corrosion a constant battle and diminishes the life expectancy and readiness of the Division's weapons. Extra security

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M67001
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA

4. Project Title	7. Project Number
ARMORIES	150

(...continued)

measures which include 24 hour armed guards 365 days a year are also required due to the inadequate structural composition of these former warehouses. The buildings, which have only 8 inch thick brick walls with gypsum board or suspended ceilings attached to wooden trusses and plywood roofs, fail to meet minimum design standards for armories and cannot be economically renovated to meet current physical security requirements. In addition, because of real estate limitations, 2d Marine Division is operating under an exception to OPNAV security requirements for armory clear zones inside and outside of their current fence lines. Finally, the fifteen armories that serve the 2d Marine Division are scattered throughout the division area and many are not near the units they support. Without consolidated, properly constructed armory facilities, large numbers of personnel are required to staff and guard the existing facilities.

IMPACT IF NOT PROVIDED:

The 2nd Marine Division will continue to secure, maintain, and preserve its crew served weapons in inadequate, undersized, and scattered facilities that lack environmental control and cannot meet physical security requirements without 24 hour armed guards.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 06/99
- (B) Date Design 35% Complete..... 09/99
- (C) Date Design Complete..... 07/01
- (D) Percent Complete As Of September 1999..... 20%
- (E) Percent Complete As Of January 2000..... 50%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

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

(...continued)

(3) Total Cost (C) = (A) + (B) Or (D) + (E):

(A) Production of Plans and Specifications..... 600
(B) All Other Design Costs..... 400
(C) Total..... 1000
(D) Contract..... 300
(E) In-House..... 700

(4) Contract Award..... 12/00

(5) Construction Start..... 05/01

(6) Construction Completion..... 11/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Collateral Equipment	O&M,MC	2002	2450

Activity POC: Larry Brant Phone No: (910) 451-1833

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00146	4. Command	5. Area Constr Cost Index
MARINE CORPS AIR STATION CHERRY POINT NORTH CAROLINA	Commandant of the Marine Corps	0.94

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	97	546	1,046	30	372	0	760	6,845	5,838	15,534
b. End FY 2006	90	542	1,125	85	390	0	867	6,713	5,764	15,576

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (29,139.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	527,750.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	74,322.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	8,480.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	7,466.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	842,642.00
h.	**GRAND TOTAL.....**	**1,460,660.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
211.05	AIRCRAFT HANGAR IMPRS	12,549 m2	8,480	07/99	12/00
	TOTAL		8,480		

9. Future Projects:

a. Included In The Following Program (FY 2002):

211.81	T-56 TEST CELL	0 LS	4,153
740.50	FITNESS CENTER	62,000 SF	3,313
	TOTAL		7,466

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 31,400

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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00146	4. Project Title
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	AIRCRAFT HANGAR IMPROVEMENTS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	211.05	568	8,480

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
AIRCRAFT HANGAR IMPROVEMENTS	m2	12,549	-	6,890
FACILITY RENOVATION	m2	12,549	396	(4,970)
BUILT-IN EQUIPMENT	LS	-	-	(1,920)
SUPPORTING FACILITIES	LS	-	-	1,110
MECHANICAL UTILITIES	LS	-	-	(340)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(360)
AFFF CONTAINMENT SYSTEM	LS	-	-	(410)

SUBTOTAL	-	-	-	8,000
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	8,000
Supervision Inspection & Overhead (6.0%)	-	-	-	480

TOTAL REQUEST	-	-	-	8,480
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Additional power outlets, wiring, lighting, and conduit in shops and hangar decks; Heat (steam) in shops. Repair or replace exterior water, storm, and sewer lines, including related concrete replacement and utility structures rehabilitation; renovate rest rooms, including piping in walls; replace 400 hz generators in hangar decks; recondition hangar floor; remove asbestos in shops and hangar decks, only in construction areas; 120 tons of air conditioning and humidity control with associated duct work, insulation, partitions, and drop ceilings; Aqueous film forming foam (AFFF) and environmental containment system; fire protection sprinklers; ventilation and egress improvements in shops to comply with safety and health codes; utility trenches with service distribution pits in hangar decks, including drainage; electrical (28v dc, 400 hz, and 120v/60hz) and mechanical (compressed air and water) upgrades in service distribution pits; interior demolition of electrical and mechanical utilities.

11. Requirement: 12,549 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

Renovates hangar maintenance, crew, and equipment spaces for two KC-130 squadrons (VMGR-252/VMGRT-253) and an aviation logistics squadron (MALS-14) and brings the hangar up to current fire codes.

(Continued On DD 1391C)

(...continued)

Aircraft Hangar Improvements = 12,549 m2 = 135,076 Square Feet (Current mission)

REQUIREMENT:

Adequate facilities and fire protection for operations, maintenance, and training of two KC-130 squadrons and parts of an aviation logistics squadron. Hangar 250 is the only hangar with sufficient vertical clearance to accommodate KC-130 aircraft.

CURRENT SITUATION:

The existing Hangar 250, which provides work spaces for approximately 650 Marines in two KC-130 squadrons and parts of a Marine Aviation Logistics Squadron, was constructed in 1954 and has inadequate lighting, power, heating, ventilation, air conditioning, insulation, and fire protection. Marines working on the hangar deck or in adjacent maintenance shops have little control over temperature, dust, humidity, and noise. Poor conditions of the electrical and mechanical utilities force Marines to open doors onto the extremely noisy flightline in order to get additional lighting and ventilation into their shops. Lack of humidity control creates a constant fight against corrosion in shops where sensitive electronic and mechanical subsystems are repaired and maintained. A number of computers have been damaged due to high humidity and moisture within the hangar. Moisture has also corroded the air-conditioning compressors rendering them inoperable and forcing Marines to work in PT gear during the hot, humid summers. Also, equipment and parts stored in hangar spaces require constant wipe down and lubing to keep ahead of the corrosion. The existing hangar is currently wired for 220V and 110V voltages, but the number of outlets and the power grid that supports them are insufficient and compel KC-130 mechanics to use a tactical generators not intended for daily garrison use. In addition to constant break-down and parts problems incurred by over-using these generators, personnel are subjected to extremely loud noise and strong fumes for hours while the generators are in use. Also, because of the lack of power outlets, extension cords are being used on the floor, creating trip hazards on a hangar deck already busy with work carts, tools, aircraft, and personnel. Additionally, the built-in compressed air lines in the current hangar have numerous leaks that allow water, dirt, and grit into the system and cause undue wear and tear on the compressors powering this pneumatic system. The leaks are so bad under the hangar deck that when aircraft are washed

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00146
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA

4. Project Title	7. Project Number
AIRCRAFT HANGAR IMPROVEMENTS	568

(...continued)

in the hangar, the air leaking up through the concrete causes bubbles in the soapy water on the floor.

IMPACT IF NOT PROVIDED:

Without this project, Marines will continue working in noisy, uninsulated, poorly lit facilities without adequate electrical power in the required voltages and frequencies for working on modern aircraft systems. The poor working conditions will continue to adversely affect personnel morale, efficiency, and productivity.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 07/99
- (B) Date Design 35% Complete..... 01/00
- (C) Date Design Complete..... 12/00
- (D) Percent Complete As Of September 1999..... 15%
- (E) Percent Complete As Of January 2000..... 35%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... N/A
- (H) Energy study/life-cycle analysis performed..... No

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 509
- (B) All Other Design Costs..... 255
- (C) Total..... 764
- (D) Contract..... 679
- (E) In-House..... 85

(4) Contract Award..... 03/01

(5) Construction Start..... 04/01

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00146
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA

4. Project Title	7. Project Number
AIRCRAFT HANGAR IMPROVEMENTS	568

(...continued)

(6) Construction Completion..... 03/03

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: Joseph Reilly Phone No: (919) 466-4763

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N65923	4. Command	5. Area Constr Cost Index
NAVAL AVIATION DEPOT CHERRY POINT NC	Naval Air Systems Command	0.94

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	93	1,079	1,046	33	754	0	860	7,324	4,668	15,857
b. End FY 2006	91	545	1,124	85	390	0	865	6,730	5,764	15,594

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	0.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	7,540.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	3,964.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	3,297.00
g.	REMAINING DEFICIENCY.....	36,140.00
h.	**GRAND TOTAL.....**	**50,941.00**

8. Projects Requested In This Program:

	Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
#	211.11	ACFT STRIPPING FAC ADDN	1,671 m2	7,540	10/99	03/01
		TOTAL		7,540		

9. Future Projects:

a. Included In The Following Program (FY 2002):

610.10	ADMINISTRATIVE OFFICE	2,555 m2	3,964
	TOTAL		3,964

b. Major Planned Next Three Years:

831.41	HAZ WASTE STOR/XFER FAC	3,600 m2	3,297
	TOTAL		3,297

c. Real Property Maintenance Backlog ($000): $ 26,279

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. This depot specializes in different types of engines, including J-59, T-58, T-74, T-76, T-400, F404, and aircraft, including F-4, OV-10, H-46, and AV-8.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 7,540

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N65923	4. Project Title
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	AIRCRAFT STRIPPING FACILITY ADDITION

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0702096N	211.11	979	7,540

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
AIRCRAFT STRIPPING FACILITY ADDITION	M2	1,671	-	5,910
BUILDING ADDITION	M2	1,671	3,470	(5,800)
BUILT-IN EQUIPMENT	LS	-	-	(50)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
SUPPORTING FACILITIES	LS	-	-	1,200
BLAST EQUIPMENT SHED	LS	-	-	(130)
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(40)
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(150)
PAVING & SITE IMPROVEMENTS	LS	-	-	(110)
DEMOLITION	LS	-	-	(320)
CONTAMINATED SOIL REMOVAL	LS	-	-	(250)

SUBTOTAL	-	-	-	7,110
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	7,110
Supervision Inspection & Overhead (6.0%)	-	-	-	430

TOTAL REQUEST	-	-	-	7,540
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Addition to the chemical stripping hangar, one deck main hangar, two decks for support areas, pile foundations and stabilization, concrete floor, structural steel superstructure, masonry and galvanized steel curtain walls, standing seam galvanized metal roof, fire alarm and protection systems, heating, ventilation, and air conditioning system, elevator, bridge crane, media collection system, storage and delivery system, explosion-proof electrical service, wiring and devices, piping, contaminated soil cleanup, site improvements, and demolition.

11. Requirement: 1,671 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Constructs an addition to the existing chemical stripping hangar to accommodate the plastic media blast (PMB) portion of the Naval Aviation Depot's (NADEP) chemical stripping process.

(Continued On DD 1391C)

(...continued)

Aircraft Stripping Facility Addition = 1,671 m2 = 17,986 Square Feet
(Current mission)

REQUIREMENT:

Adequate facilities are required to support paint stripping operations at the NADEP. Specifically, an adequate glass bead blasting facility, which meets safety and environmental requirements, is required for the NADEP's aircraft stripping operation. The stripping operation begins with blasting the aircraft with plastic media. Since not all of the paint is removed from the crevices, chemical stripping is then performed to remove the remaining paint. Any remaining corrosion is removed by blasting with glass beads. This facility will provide proper facilities for aircraft control process. It is not practical to mix media in the same facility due to the excessive cleanup required of different media. This project is required: (1) to increase fleet readiness through implementation of more efficient facilities capable of better workmanship and more environmentally friendly corrosion control processes, (2) to reduce operating costs, (3) to consolidate hygiene facilities, other employee support areas, and administrative areas with their associated corrosion control process, and (4) to reduce the NADEP's inventory of dilapidated, inadequate structures.

CURRENT SITUATION:

The existing facility housing the glass bead blast process was constructed in 1947 and is one of NADEP's oldest structures. It does not have required hygiene facilities or a ventilation system. The structure is too small to accommodate the NADEP's inventory of aircraft. The hangar doors have to remain open for many of the NADEP's aircraft due to the inadequate size of the facility. The NADEP's current air sampling results are above the level of the standard, thus requiring engineering controls. The NADEP's current method of media recovery requires the employees to sweep the media, which is not allowed, even if the air samples are allowable, since the media is contaminated with chrome. It is not economically feasible to alter this facility to meet current codes. The design of this facility is not suitable for its function and is not suitable for upgrade.

IMPACT IF NOT PROVIDED:

NADEP will continue its glass bead blast process in a 1947 vintage structure that is too small for the aircraft it services, does not have

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N65923
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA

4. Project Title	7. Project Number
AIRCRAFT STRIPPING FACILITY ADDITION	979

(...continued)
adequate ventilation for employee safety, does not have a floor recovery system for the media to alleviate employee sweeping, and does not have employee hygiene facilities.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 10/99
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 03/01
- (D) Percent Complete As Of September 1999..... 0%
- (E) Percent Complete As Of January 2000..... 15%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 480
- (B) All Other Design Costs..... 240
- (C) Total..... 720
- (D) Contract..... 640
- (E) In-House..... 80

(4) Contract Award..... 06/01

(5) Construction Start..... 07/01

(6) Construction Completion..... 06/03

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: CDR MICHAEL PATTERSON Phone No: 919-466-2746

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62573	4. Command	5. Area Constr Cost Index
MARINE CORPS AIR STATION NEW RIVER, NORTH CAROLINA	Commandant of the Marine Corps	0.85

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	35	240	133	104	205	0	536	3,973	230	5,456
b. End FY 2006	34	242	151	159	395	0	597	4,283	234	6,095

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	3,728.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	3,400.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	5,615.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	3,259.00
g.	REMAINING DEFICIENCY.....	66,160.00
h.	**GRAND TOTAL.....**	**82,162.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
116.15	AIRCRAFT RINSE FACILITY	660 m2	800	05/99	10/00
141.70	CONTROL TOWER	341 m2	2,600	10/98	11/00

	TOTAL		3,400		

9. Future Projects:

a. Included In The Following Program (FY 2002):

441.10	PROPERTY CONTROL FAC	60,000 SF	4,227
113.20	ACFT APRON EXPAN	0 LS	1,388

	TOTAL		5,615

b. Major Planned Next Three Years:

722.10	ENLISTED DINING FAC	0 LS	3,259

	TOTAL		3,259

c. Real Property Maintenance Backlog ($000): $ 6,800

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.

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62573	4. Command	5. Area Constr Cost Index
MARINE CORPS AIR STATION NEW RIVER, NORTH CAROLINA	Commandant of the Marine Corps	0.85

(...continued)

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62573	4. Project Title
MARINE CORPS AIR STATION NEW RIVER, NORTH CAROLINA	AIRCRAFT RINSE FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	116.15	528	800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
AIRCRAFT RINSE FACILITY	m2	660	565	370
SUPPORTING FACILITIES	LS	-	-	390
MECHANICAL UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(140)
FORCE PROTECTION	LS	-	-	(50)
DEMOLITION	LS	-	-	(50)

SUBTOTAL	-	-	-	760
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	760
Supervision Inspection & Overhead (6.0%)	-	-	-	40

TOTAL REQUEST	-	-	-	800
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Concrete pad with built-in automated rinse system with pressure activated treadle including timed shut-off, utilities, containment curb, catch basin, oil/water separator, and a concrete access from the taxiway.

11. Requirement: 660 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

Construct an automatic, unattended, fresh water rinse facility along a taxiway at MCAS New River, North Carolina.

Aircraft Rinse Facility = 660 m2 = 7,104 Square Feet (Current mission)

REQUIREMENT:

Provide an adequate Aircraft Rinse Facility capable of rinsing MCAS New River aircraft after over salt-water flights in order to minimize corrosion. Requirement ensures preservation of aircraft squadrons involved in 6 month training cycles preparing for deployment aboard amphibious ships.

CURRENT SITUATION:

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62573
MARINE CORPS AIR STATION NEW RIVER, NORTH CAROLINA

4. Project Title	7. Project Number
AIRCRAFT RINSE FACILITY	528

(...continued)

MCAS New River currently has one facility to provide fresh water rinse service to aircraft that have flown over salt-water. This existing undersized 60 foot wide, 1967-vintage rinse facility was built for H-34 helicopters (no longer in the inventory), contains only one row of 24 nozzles, and can only rinse half an aircraft at a time. Design criteria for H-1, CH-46, and CH-53 helicopters shows that New River rates a rinse facility that is at least 75 feet wide and has two rows of 24 nozzles. The new MV-22 aircraft arriving in FY 2000 will increase rinse facility requirements to 100 feet wide with two rows of 37 nozzles.

The existing rinse facility is also located 10 feet from a wash rack which is used 10-14 hours a day to perform recurring soap and water washes of MCAS New River's 200+ aircraft. Both the wash and rinse facilities cannot be used simultaneously. After over salt-water flights, pilots taxi to the rinse facility and, if no wash operations are underway, drive over a pressure-activated treadle to automatically deluge their aircraft with fresh water and, with the help of the powerful downwash from their turning rotor blades, rinse the salt off. If the wash rack is being utilized, or if, as is often the case, there is a line of powered aircraft waiting to use the rinse facility, the wash operations are either halted to permit the rinses, or pilots pass their aircraft rinse requirements to the ground crews. In turn, ground crews revise maintenance plans to include an unscheduled aircraft wash (two-hour evolution) vice the more expedient rinse (5 minute evolution), a task which overburdens the already maximized contract wash operations.

IMPACT IF NOT PROVIDED:

Without a dedicated rinse facility, aircraft returning from over salt-water flights will continue to either experience long delays while under power in getting their fresh water rinses, or they will frequently require unscheduled washes which will impede the efficient execution of contracted wash operations and perpetuate degraded aircraft availability and readiness.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62573
MARINE CORPS AIR STATION NEW RIVER, NORTH CAROLINA

4. Project Title	7. Project Number
AIRCRAFT RINSE FACILITY	528

(...continued)

(A) Date Design Started..... 05/99
(B) Date Design 35% Complete..... 09/99
(C) Date Design Complete..... 10/00
(D) Percent Complete As Of September 1999..... 35%
(E) Percent Complete As Of January 2000..... 50%
(F) Type of Design Contract..... Design/Bid/Build
(G) Parametric Estimate used to develop cost..... No
(H) Energy study/life-cycle analysis performed..... No

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 50
(B) All Other Design Costs..... 25
(C) Total..... 75
(D) Contract..... 67
(E) In-House..... 8

(4) Contract Award..... 12/00

(5) Construction Start..... 01/01

(6) Construction Completion..... 07/01

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: Randy Scott Phone No: (910) 451-6518

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62573	4. Project Title
MARINE CORPS AIR STATION NEW RIVER, NORTH CAROLINA	AIR TRAFFIC CONTROL TOWER

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	141.70	629	2,600

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
AIR TRAFFIC CONTROL TOWER	m2	341	-	1,760
BUILDING	m2	321	4,370	(1,400)
EMERGENCY GENERATOR BUILDING	m2	20	4,500	(90)
BUILT-IN EQUIPMENT	LS	-	-	(270)
SUPPORTING FACILITIES	LS	-	-	690
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(10)
ELECTRICAL UTILITIES	LS	-	-	(380)
MECHANICAL UTILITIES	LS	-	-	(230)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(50)
FORCE PROTECTION	LS	-	-	(20)

SUBTOTAL	-	-	-	2,450
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	2,450
Supervision Inspection & Overhead (6.0%)	-	-	-	150

TOTAL REQUEST	-	-	-	2,600
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	8,000

10. Description of Proposed Construction

Air traffic control tower consisting of a six-story base and 18 foot high tower cab made of steel-frame concrete cast-in-place structure supported by concrete pile foundations and including concrete floors, insulated metal roof, metal stud, concrete masonry unit (CMU) interior walls, and force protection features. Cab includes insulated glass, acoustical material on ceiling, exterior fire ladder, fire rated construction, Heating/Ventilation/Air-Conditioning (HVAC), communications equipment, instrument control equipment, lounge, stairwell, and elevator. A separate CMU building will house the emergency generator, automatic transfer switch, and switch gear. Utilities include water, sanitary sewer, electrical, communications cables and information cables housed in concrete ducts routed under the runways/flightline.

11. Requirement: 341 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

Constructs an air traffic control tower at MCAS New River, North Carolina.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62573
MARINE CORPS AIR STATION NEW RIVER, NORTH CAROLINA

4. Project Title	7. Project Number
AIR TRAFFIC CONTROL TOWER	629

(...continued)

Air Traffic Control Tower = 341 m2 = 3,670 Square Feet
Building = 321 m2 = 3,455 Square Feet
Emergency Generator Building = 20 m2 = 215 Square Feet (Current mission)

REQUIREMENT:

Adequately and safely configured air traffic control tower at MCAS New River from which air traffic controllers can maintain constant supervision and visual contact with aircraft in the flight pattern and which will fit equipment upgrades from the National Airspace System Modernization Program.

CURRENT SITUATION:

Built in 1954, the existing inadequate air traffic control (ATC) tower is seriously undersized, unsafely and undesirably located, and excessively deteriorated.

The current 70 square meter tower, built originally as a parachute loft, cannot fit the required manager's office, controller break room, communications room, electrical/mechanical room, elevator equipment room, or provost marshall rooms. Without tower area to house these functions, the tower cab, which is manned with 8 to 10 people at any given time, must be crammed with various pieces of equipment, administrative items, and personal gear. Consequently, air traffic controllers, who work under significant stress and ideally should be comfortable in order to stay at peak performance at all times, are forced to work in an unacceptably crowded and disorderly environment. The severe spacial inadequacies will be exponentially exacerbated when $8M of new ATC systems upgrades procured by the Space and Naval Warfare Systems Center arrive.

The existing tower is unsafely and undesirably located on the corner of a hangar on the flightline a quarter of a mile away from the preferred location next to the Radar ATC Facility. Worsened by a shorter than required tower (controller eye level in existing facility is 72 feet vice the needed 76 feet), the current location is unsafe because a water tank 1000' feet away blocks the line of sight view for controllers to the approach pattern for Runway 19 at a critical 3 miles out point. As a result, the air station operates under a NAVAIR airfield safety waiver for obstructions and must alter normal flight paths to compensate for the water tank. The current location is also undesirable because Facility Watch Supervisors cannot effectively manage operations at the Tower and at

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62573
MARINE CORPS AIR STATION NEW RIVER, NORTH CAROLINA

4. Project Title	7. Project Number
AIR TRAFFIC CONTROL TOWER	629

(...continued)

the RATCF as required by NATOPS (NAVAIR 00-80T-114). Between the two facilities, equipment must be remoted and utilities interconnected under the flightline and runways, a situation which increases maintenance costs and prolongs response time for emergency maintenance.

The 45-year old tower is heavily corroded and requires constant maintenance. Despite repairs, safety railings and access ladders are hazardous and the entrance stairway to the tower cab does not meet OSHA specifications. Cable entry ports must be sealed against rain with plastic sheets and sealing compound, and ongoing secondary structural problems such as the leaking roof, missing weather stripping, and crumbling concrete masonry blocks, continue to plague the tower occupants. Water invasion and out-of-date wiring have caused electrical fires and pose a serious risk for future fires, shock, and equipment damage. Deteriorated noise insulation in the tower cab inhibits controllers' ability to verbally coordinate when aircraft taxi near the tower.

IMPACT IF NOT PROVIDED:

Air traffic control operations at MCAS New River will continue to be conducted from an unsafe, undersized, and deteriorated facility which will threaten the safe control of flight operations, impair the effective training of student Air Traffic Controllers, and prevent the installation of new equipment upgrades.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:

(A) Date Design Started	10/98
(B) Date Design 35% Complete	03/00
(C) Date Design Complete	11/00
(D) Percent Complete As Of September 1999	2%
(E) Percent Complete As Of January 2000	15%
(F) Type of Design Contract	Design/Bid/Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/life-cycle analysis performed	No

(2) Basis:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M62573
MARINE CORPS AIR STATION NEW RIVER, NORTH CAROLINA

4. Project Title	7. Project Number
AIR TRAFFIC CONTROL TOWER	629

(...continued)

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 120
(B) All Other Design Costs..... 130
(C) Total..... 250
(D) Contract..... 200
(E) In-House..... 50

(4) Contract Award..... 12/00

(5) Construction Start..... 01/01

(6) Construction Completion..... 04/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
ATC Upgrades	OPN	2003	8000

Activity POC: Randy Scott Phone No: (910) 451-6518

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N66604	4. Command	5. Area Constr Cost Index
NAVAL UNDERWATER SYSTEMS CENTER NEWPORT RHODE ISLAND	Naval Sea Systems Command	1.07

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	1,216	909	3,902	0	541	0	286	181	0	7,035
b. End FY 2006	1,380	953	3,827	0	233	0	286	181	0	6,860

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (297.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	370,809.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	4,150.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	3,983.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	29,484.00
g.	REMAINING DEFICIENCY.....	27,617.00
h.	**GRAND TOTAL.....**	**436,043.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
152.20	SHORE BASED LAUNCH FAC	4,100 m2	4,150	08/99	06/00
	TOTAL		4,150		

9. Future Projects:

a. Included In The Following Program (FY 2002):

390.17	LABORATORY DATA LINKS	377 m2	3,983
	TOTAL		3,983

b. Major Planned Next Three Years:

315.30	UNDERSEA NTWRK CENTRIC LAB	4,645 m2	17,710
315.20	UNDERWATER WEAPON SYS LAB	7,310 m2	11,774
	TOTAL		29,484

c. Real Property Maintenance Backlog ($000): $ 18,866

10. Mission Or Major Functions:

The Naval Underwater System Center is the principal Navy RDT&E Center for underwater weapons systems. It plans and conducts programs of warfare and systems analysis, RDT&E, and Fleet support in underwater warfare weapons systems and components, undersea surveillance systems, submarine communications systems, navigation and related sciences and technology. The Newport Headquarters Laboratory performs a wide variety of functions ranging from exploratory research through the in-service engineering assistance of

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N66604	4. Command	5. Area Constr Cost Index
NAVAL UNDERWATER SYSTEMS CENTER NEWPORT RHODE ISLAND	Naval Sea Systems Command	1.07

(...continued)

the Fleet throughout the life-cycle of these systems. This center also manages subsidiary laboratories including New London, CT, and AUTEC Test Ranges, Bahamas.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N66604	4. Project Title
NEWPORT DIV, NAVAL UNDERSEA WARFARE CTR NEWPORT, RHODE ISLAND	SHORE BASED LAUNCH FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0605896N	152.20	077	4,150

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
SHORE BASED LAUNCH FACILITY	m2	4,100	-	2,960
UNDERWATER VEHICLE LAUNCH RAMP	m2	300	642	(190)
PIER 172 MODIFICATIONS	m2	3,200	740	(2,370)
PIER 170 REHABILITATION	m2	600	616	(370)
BUILT-IN EQUIPMENT (MARINE HARDWARE)	LS	-	-	(30)
SUPPORTING FACILITIES	LS	-	-	960
UTILITIES	LS	-	-	(50)
BUILDING DEMOLITION (WITH ASBESTOS)	LS	-	-	(90)
PIER DEMOLITION	LS	-	-	(820)

SUBTOTAL	-	-	-	3,920
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	3,920
Supervision Inspection & Overhead (6.0%)	-	-	-	230

TOTAL REQUEST	-	-	-	4,150
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

A Shore Based Launch Facility, including boat ramp, small pier, staging area; special foundations to support specialized material handling equipment; vehicle launch systems, submarine system winch testing, and correction of critical structural safety deficiencies; demolition of two buildings and Pier 170, and partial demolition and rehabilitation of Piers 171 and 172.

11. Requirement: 4,100 m2 Adequate: 0 m2 Substandard: 140 m2

PROJECT:

This project provides an adequate Shore Based Launch Facility by modifying the layout and extent of existing marine structures, constructing an Unmanned Undersea Vehicles (UUV) launch and recovery ramp, adding additional structure to support specialized equipment and demolishing outdated, deteriorated structures.

Shore Based Launch Facility = 4,100 m2 = 44,132 Square Feet
Underwater Vehicle Launch ramp = 300 m2 = 3,229 Square Feet
Pier 172 Modifications = 3,200 m2 = 34,445 Square Feet

(Continued On DD 1391C)

(...continued)

Pier 170 Rehabilitation = 600 m2 = 6,458 Square Feet (Current mission)

REQUIREMENT:

Adequate and properly configured waterfront facilities to support launch and recovery of the Navy's development and test platforms for the Unmanned Undersea Vehicles (UUV) program. In 1993 Congress chartered the Navy to establish a program to develop and deploy a line of increasingly capable UUVs to support submarine and joint warfare operations in the littoral battlespace. UUVs will enable the warfighter to conduct selected missions in geographical regions which are either unsafe or politically unacceptable to employ submarine combatants. The program plan calls for four UUV missions: mine reconnaissance, anti-submarine warfare (ASW) surveillance, intelligence-surveillance-reconnaissance (ISR), and tactical oceanography. At the time the Navy plan was prepared and approved, it was believed that these missions could all be accommodated in a 21 inch diameter cylindrical vehicle, which can be deployed through submarine torpedo tubes. Mine reconnaissance is being only partially met with 21 inch diameter technology UUVs. Analyses and experimentation now show however, that significantly larger UUVs are needed to support the other required mission payloads. To provide an effective means for testing these emerging technologies, NUWC is developing the System Technology Development Vehicle (STDV) - a 35 foot by 15 foot, 8 ton non-cylindrical test bed. This vehicle will serve as the "work horse" with which all advanced UUV technologies will be sea tested for performance. The STDV will begin undergoing limited testing itself during FY 99 and will be ready for its first full-up integrated testing in FY 2001 - the year P-077 is needed. Additionally, during FY 2001, it is planned to begin developmental testing of a second large size experimental UUV in support of an Advanced Technology Demonstration (ATD) project. The STDV will continue in use as a component test bed for future UUV developments until at least 2010.

CURRENT SITUATION:

Larger vehicles cannot be launched or recovered in NUWC's current marine facility in the same manner as the current 21 inch diameter vehicles (lowered by crane onto a small range boat and driven to the test area). Their large size, heavy weight, and high cost pose a substantial cost and risk to one-of-a-kind vehicles, the loss of which could result in severe program setbacks and modifications. During development and testing the new UUV will require frequent movement between the laboratory and the at

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N66604
NEWPORT DIV, NAVAL UNDERSEA WARFARE CTR NEWPORT, RHODE ISLAND

4. Project Title	7. Project Number
SHORE BASED LAUNCH FACILITY	077

(...continued)

sea test area. P-077 will permit easy, risk free, and a secure means of launching and recovering the larger UUVs directly at the NUWC waterfront facility by means of a large UUV launch and recovery ramp. The availability of strategically placed jib cranes will permit much UUV work to be accomplished on the vehicles while they remain in the water. The practicality of ramp launch and recovery at remote locations where suitable ramps may be located (if any) is low due to the high costs, significant risk of damage during lengthy transport, and security reasons. NUWC's current marine facilities consist of a wharf (Pier 172) and two piers (Piers 170 and 171) which are old and deteriorated beyond economical repair. Their physical configuration is awkward and does not readily support the launch and recovery of the new STDV.

IMPACT IF NOT PROVIDED:

Systems analysis and experimental work conducted to date indicate that larger, heavier, non-cylindrical UUVs will be needed. These cannot be launched or recovered from NUWC Division, Newport's current marine facility. If P-077 is not provided in a timely manner, alternative UUV launch and recovery techniques that are excessively costly and risky will have to be utilized. This will result in a significantly lower number of vehicle tests being accomplished. This will also result in significant added costs, modifications to plans and projected performance capabilities, and continued safety and security problems.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:

(A) Date Design Started	08/99
(B) Date Design 35% Complete	10/99
(C) Date Design Complete	06/00
(D) Percent Complete As Of September 1999	20%
(E) Percent Complete As Of January 2000	75%
(F) Type of Design Contract	Design/Bid/Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/life-cycle analysis performed	N/A

(2) Basis:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N66604
NEWPORT DIV, NAVAL UNDERSEA WARFARE CTR NEWPORT, RHODE ISLAND

4. Project Title	7. Project Number
SHORE BASED LAUNCH FACILITY	077

(...continued)

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 400
(B) All Other Design Costs..... 60
(C) Total..... 460
(D) Contract..... 400
(E) In-House..... 60

(4) Contract Award..... 11/00

(5) Construction Start..... 12/00

(6) Construction Completion..... 05/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LCDR DAVID HARRIS Phone No: (401) 832-4810

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M60169	4. Command	5. Area Constr Cost Index
MARINE CORPS AIR STATION BEAUFORT S C	Commandant of the Marine Corps	1.04

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	46	351	356	0	30	0	316	2,827	272	4,198
b. End FY 2006	44	330	339	0	30	0	361	2,901	282	4,287

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (12,798.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	189,390.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	3,140.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	9,454.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	7,790.00
g.	REMAINING DEFICIENCY.....	32,610.00
h.	**GRAND TOTAL.....**	**242,384.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
843.10	FLIGHTLINE FIRE SAFETY IMP	4,040 m	3,140	05/99	02/01
	TOTAL		3,140		

9. Future Projects:

a. Included In The Following Program (FY 2002):

* 211.01	ACFT ACOUSTICAL ENCL	0 LS	9,454	
	TOTAL		9,454	

b. Major Planned Next Three Years:

211.96	AWSE WAREHOUSE	1,003 m2	1,516	
740.74	CHILD DEVELOPMENT CENTER	0 LS	3,919	
112.10	A/C TAXIWAY IMPVS	0 LS	2,355	
	TOTAL		7,790	

c. Real Property Maintenance Backlog ($000): $ 18,300

10. Mission Or Major Functions:

Maintain and operate facilities to support flight operations; operation and maintenance of assigned aircraft; and provide services and material to support operations of a Marine Aircraft Wing and/or units thereof; and other activities and units as designated by the Commandant of the Marine Corps, in coordination with the Chief of Naval Operations.

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M60169	4. Command	5. Area Constr Cost Index
MARINE CORPS AIR STATION BEAUFORT S C	Commandant of the Marine Corps	1.04

(...continued)

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 9,454

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M60169	4. Project Title
MARINE CORPS AIR STATION BEAUFORT, SOUTH CAROLINA	FLIGHTLINE FIRE SAFETY IMPROVEMENTS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0206496M	843.10	401	3,140

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
FLIGHTLINE FIRE SAFETY IMPROVEMENTS	m	4,040	-	2,070
WATER DISTRIBUTION PIPELINE (12")	m	995	172	(170)
WATER DISTRIBUTION PIPELINE (18")	m	524	301	(160)
WATER DISTRIBUTION PIPELINE (24")	m	2,521	413	(1,040)
WATER DISTRIBUTION PIPELINE (HANGAR TIE-IN)	LS	-	-	(80)
WATER STORAGE TANK	LS	-	-	(620)
SUPPORTING FACILITIES	LS	-	-	890
SOIL CONSTRAINTS TO TRENCHING	LS	-	-	(580)
ELECTRICAL UTILITIES	LS	-	-	(80)
WATER DISTRIBUTION REROUTE	LS	-	-	(60)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(150)
DEMOLITION	LS	-	-	(20)

SUBTOTAL	-	-	-	2,960
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	2,960
Supervision Inspection & Overhead (6.0%)	-	-	-	180

TOTAL REQUEST	-	-	-	3,140
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Fire safety improvements on the flightline to include an additional underground water storage tank, turbine fire pumps with controls, a separate looped fire water supply main to eight hangars, jet engine maintenance buildings, and stubouts; associated underground PVC piping connecting the water storage tank, pumphouse, and protected buildings; valves and fittings; required mechanical and electrical modifications; general demolition; and affected asphalt and concrete pavement demolition and replacement.

11. Requirement: 4,040 m Adequate: 0 m Substandard: 0 m

PROJECT:

Dedicated fire protection system for aircraft hangars and support facilities for a one hour fire event that functions separately from the domestic water system. Project will use portions of the existing fire

(Continued On DD 1391C)

(...continued)

loops around hangars where they do not cross-connect with the domestic system.

Flightline Fire Safety Improvements = 4,040 m = 13,254 Linear Feet
Water Distribution Pipeline (12") = 995 m = 3,264 Linear Feet
Water Distribution Pipeline (18") = 524 m = 1,719 Linear Feet
Water Distribution Pipeline (24") = 2,521 m = 8,271 Linear Feet (Current mission)

REQUIREMENT:

A reliable, stand-alone fire protection system is required for the safeguard of eight aircraft hangars, 108 assigned aircraft, and personnel.

CURRENT SITUATION:

Marine Corps Air Station (MCAS) Beaufort currently has a joint flightline fire protection and domestic potable water system which shares piping and other components including a 500,000 gallon concrete underground storage tank. Constructed during the 1940's and during the 1955 base buildup, the potable water system was designed to have its water "pushed" to the station hangars via horizontal centrifugal fire pumps at the booster pumping station. However, the air station has had persistent problems with the existing booster pumping station because the pumps have repeatedly shut down during the station's operating life and have not maintained an acceptable water level in the underground storage tank. Even without a major fire event, water levels in the tank have been so low that MCAS Beaufort's Laurel Bay family housing complex experiences continuing pressure problems during peak use periods. In the mid-1970's, the Centrifugal Fire Pumps Code (NFPA 20) stopped approving the installation of systems like the one at MCAS Beaufort because horizontal fire pumps are not self-priming and are inherently unreliable. In September 1997, a Naval Facilities Engineering Command contracted analysis of MCAS Beaufort's potable water system validated that the current system is inadequate to handle high demand events (such as a major hangar fire) and that a completely new and separate fire loop and turbine booster pumps are needed to operate flightline facilities and hangar deluge systems. The study concluded that the age and condition of the domestic piping cannot reliably handle the pressure and shock of the fire pump activation, as evidenced by numerous water line failures which have occurred when the pumps were suddenly activated. Built in 1943, the underground storage tank has also deteriorated to the point that it is not structurally sound

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M60169
MARINE CORPS AIR STATION BEAUFORT, SOUTH CAROLINA

4. Project Title	7. Project Number
FLIGHTLINE FIRE SAFETY IMPROVEMENTS	401

(...continued)

and will not be able to reliably support a new fire protection system. The existing system cannot meet fire safety requirements. Upgrade and replacement is crucial for the safety and protection for facilities, aircraft, and personnel.

IMPACT IF NOT PROVIDED:

Insufficient flow to the fire suppression system. Without upgrading, the potential for loss remains very high and includes aircraft, equipment, facilities, and the lives of personnel. Additionally, rupture or collapse in the domestic system could cause loss of all messing, domestic fire sprinklers, and restroom facilities beyond the buildings affected by this project scope.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 05/99
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 02/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 20%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 0
- (B) All Other Design Costs..... 175
- (C) Total..... 175
- (D) Contract..... 75
- (E) In-House..... 100

(4) Contract Award..... 11/00

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M60169
MARINE CORPS AIR STATION BEAUFORT, SOUTH CAROLINA

4. Project Title	7. Project Number
FLIGHTLINE FIRE SAFETY IMPROVEMENTS	401

(...continued)

(5) Construction Start..... 02/01

(6) Construction Completion..... 02/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LCdr Joseph Angell Phone No: (803) 522-7072

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00263	4. Command	5. Area Constr Cost Index
MARINE CORPS RECRUIT DEPOT PARRIS ISLAND S C	Commandant of the Marine Corps	1.04

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	89	681	488	0	7,250	0	214	1,364	339	10,425
b. End FY 2006	91	722	489	0	7,713	0	203	1,303	343	10,864

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (8,080.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	140,990.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	2,660.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	2,963.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	11,850.00
g.	REMAINING DEFICIENCY.....	135,310.00
h.	**GRAND TOTAL.....**	**293,773.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
171.20	FIELD TRAINING COMPLEX	1,124 m2	2,660	05/99	02/01
	TOTAL		2,660		

9. Future Projects:

a. Included In The Following Program (FY 2002):

131.15	COMM CTR ADDN	0 LS	2,963
	TOTAL		2,963

b. Major Planned Next Three Years:

730.20	MILITARY POLICE STATION	0 LS	1,479
721.11	BEQ	0 LS	7,827
171.10	RECRUIT TRNG FAC ADDN	0 LS	2,544
	TOTAL		11,850

c. Real Property Maintenance Backlog ($000): $ 19,000

10. Mission Or Major Functions:

To exercise operational control of enlisted recruiting operations in the 1st, 4th, and 6th Marine Districts through screening, evaluation, verification, and field supervision; to provide guidance and direction on quality control matters for all east coast enlisted accessions in accordance with standards established by CMC; to provide reception processing and recruit training for enlisted personnel upon their initial entry into the

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00263	4. Command	5. Area Constr Cost Index
MARINE CORPS RECRUIT DEPOT PARRIS ISLAND S C	Commandant of the Marine Corps	1.04

(...continued)

Marine Corps; to provide training of recruits; to conduct schools as directed; to provide rifle and pistol marksmanship training for Marines stationed in the southeast and for personnel of other services as requested; and to conduct training for reserve Marines as directed.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00263	4. Project Title
MARINE CORPS RECRUIT DEPOT PARRIS ISLAND, SOUTH CAROLINA	FIELD TRAINING COMPLEX

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0805796M	171.20	327	2,660

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
FIELD TRAINING COMPLEX	m2	1,124	-	1,870
FIELD TRAINING COMPLEX	m2	903	1,533	(1,380)
RECRUIT STAGING AREA	m2	221	359	(80)
RENOVATE CRUCIBLE AID STATION	LS	-	-	(300)
BUILT-IN EQUIPMENT	LS	-	-	(80)
TECHNICAL OPERATING MANUALS	LS	-	-	(30)
SUPPORTING FACILITIES	LS	-	-	640
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(340)
ELECTRICAL UTILITIES	LS	-	-	(90)
MECHANICAL UTILITIES	LS	-	-	(40)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(90)
FORCE PROTECTION	LS	-	-	(10)
DEMOLITION	LS	-	-	(70)

SUBTOTAL	-	-	-	2,510
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	2,510
Supervision Inspection & Overhead (6.0%)	-	-	-	150

TOTAL REQUEST	-	-	-	2,660
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	175

10. Description of Proposed Construction

Steel frame building on pre-stressed concrete pile foundations, sloped floor with fixed seating, high ceilings, acoustically treated walls and ceilings, raised stage with rear projection screen, public address system, fire protection system, concrete masonry unit exterior walls with brick facing, standing seam metal roofing, insulated walls and roof, heating, air-conditioning, and covered queing area for staging recruits and for inclement protection during bad weather. Supporting facilities include administrative spaces, appropriate restroom facilities, paving and site improvements, and utilities connections. Facility shall be designed to meet coastal windload criteria and Seismic Zone 3. Demolishes seven buildings. Renovates Crucible Aid Station to provide billeting for displaced Corpsmen due to demolition of existing structure for this project.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00263
MARINE CORPS RECRUIT DEPOT PARRIS ISLAND, SOUTH CAROLINA

4. Project Title	7. Project Number
FIELD TRAINING COMPLEX	327

(...continued)

11. Requirement: 1,124 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

Constructs a central, consolidated operations/training facility for the Field Training Company to conduct Basic Warrior Training (BWT) for recruits.

Field Training Complex = 1,124 m2 = 12,099 Square Feet
Field Training Complex = 903 m2 = 9,720 Square Feet
Recruit Staging Area = 221 m2 = 2,379 Square Feet (Current mission)

REQUIREMENT:

Adequate training and operations facility to conduct field instruction in individual combat skills and to coordinate the "Crucible" training exercise for one male recruit series and one female recruit platoon (340 recruits total).

CURRENT SITUATION:

MCRD Parris Island conducts field training for recruits at Page Field, an abandoned WWII airfield located about 6 miles from the main side of the base. Classroom instruction in this field training area is conducted in an inadequate wooden frame structure originally built as a warehouse in 1943. The building was later used as an auto hobby shop before it was finally converted into a classroom for recruits. Unsuitable for effective instruction, the building's structural supporting members and the flat, compartmentalized, and undersized configuration of the classroom prevent many recruits from seeing or hearing the instructors. In addition, the lack of insulation or air-conditioning does not provide an environment to train the packed room of 340 recruits and severely degrades the ability of the instructors to create an atmosphere conducive to learning. The deteriorated building, which does not comply with wind load and seismic zone 3 criteria, is also insufficiently sized to accommodate instructor office space, the "Crucible" command center, and gas chamber requirements. Thus, these latter functions are currently performed in converted metal storage sheds with window AC units, temporary mobile trailers, an inadequate "homemade" concrete block gas chamber, and scattered buildings within the field training area. Construction of this consolidated, state-of-the-art complex will reduce existing facilities through the demolition of the scattered, old, maintenance-intensive facilities currently used.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00263
MARINE CORPS RECRUIT DEPOT PARRIS ISLAND, SOUTH CAROLINA

4. Project Title	7. Project Number
FIELD TRAINING COMPLEX	327

(...continued)

IMPACT IF NOT PROVIDED:

Recruit field classroom training will continue to be conducted in inadequate, un-airconditioned, poorly configured facilities that will seriously hinder learning of vital individual combat skills.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 05/99
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 02/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 20%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 0
- (B) All Other Design Costs..... 140
- (C) Total..... 140
- (D) Contract..... 40
- (E) In-House..... 100

(4) Contract Award..... 11/00

(5) Construction Start..... 03/01

(6) Construction Completion..... 03/02

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

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00263
MARINE CORPS RECRUIT DEPOT PARRIS ISLAND, SOUTH CAROLINA

4. Project Title	7. Project Number
FIELD TRAINING COMPLEX	327

(...continued)

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Collateral Equipment	O&M,MC	2002	175

Activity POC: LCdr Jean Dumlao-Hurst Phone No: (803) 525-3527

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60241	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION KINGSVILLE TEXAS	Chief of Naval Education and Training	0.91

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	174	408	315	200	0	0	9	12	0	1,118
b. End FY 2006	178	358	308	200	0	0	9	12	0	1,065

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (116,367.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	162,747.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	0.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	19,781.00
g.	REMAINING DEFICIENCY.....	41,820.00
h.	**GRAND TOTAL.....**	**224,348.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
113.20	AIRCRAFT PARKING APRON	16,710 m2	0	12/98	04/01

None

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

111.10	CRASH STRIP RUNWAYS	905,089 MI	19,781
	TOTAL		19,781

c. Real Property Maintenance Backlog ($000): $ 16,146

10. Mission Or Major Functions:

Maintains and operates facilities and provide services and materials in support of basic and advanced Navy pilot training in jet aircraft. Training Wing Two Three Training Squadrons

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60241	4. Project Title
NAVAL AIR STATION KINGSVILLE, TEXAS	AIRCRAFT PARKING APRON

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0805796N	113.20	238	Auth 2,670 Appr 0

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
AIRCRAFT PARKING APRON	M2	16,710	-	1,460
PARKING APRON	M2	12,710	70	(890)
BLAST SURFACE	M2	4,000	50	(200)
EXISTING APRON REPAIR & SURFACE REPAINTING	LS	-	-	(370)
SUPPORTING FACILITIES	LS	-	-	1,060
TAXIWAY LIGHTING AND CABLE	LS	-	-	(200)
UTILITIES RELOCATION	LS	-	-	(250)
STORM DRAINAGE	LS	-	-	(210)
EXCAVATION AND SITE PREPARATION	LS	-	-	(400)

SUBTOTAL	-	-	-	2,520
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	2,520
Supervision Inspection & Overhead (6.0%)	-	-	-	150

SUBTOTAL	-	-	-	2,670
AMT FUNDED W/ PRIOR YR UNOBLIGATED BALANCE	LS	-	-	-2,670

TOTAL REQUEST	-	-	-	-
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Concrete parking apron, blast surface, extension of taxiway lighting, re-routing of the main power circuits, electrical utilities, repair of existing concrete apron surface, underground storm sewer, erosion control, painting/striping of all concrete surfaces, and site improvements.

11. Requirement: 16,710 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Constructs concrete parking apron to accommodate 10 additional T-45TS aircraft utilizing the runways at Naval Auxiliary Landing Field (NALF) Orange Grove, TX, extends the taxiway lighting, and re-routes the main power circuit for the entire airfield lighting systems.

Aircraft Parking Apron = 16,710 m2 = 179,865Square Feet
Parking Apron = 12,710 m2 = 136,809 Square Feet
Blast Surface = 4,000m2 = 43,056 Square Feet (Current mission)

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60241
NAVAL AIR STATION KINGSVILLE, TEXAS

4. Project Title	7. Project Number
AIRCRAFT PARKING APRON	238

(...continued)

REQUIREMENT:

Aircraft parking is required to support the mission of NALF Orange Grove (supporting NAS Kingsville in training student jet pilots).

CURRENT SITUATION:

The existing apron can handle only seven aircraft. Any more than seven aircraft will result in violation of the 7:1 Transitional Surface. This places a restriction on the amount of aircraft that can be used for training at this outlying field.

IMPACT IF NOT PROVIDED:

Without this project the activity will have to conduct its student jet pilot training operations at a reduced operational level, thereby not meeting its required Pilot-Training Rate.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 04/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 20%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60241
NAVAL AIR STATION KINGSVILLE, TEXAS

4. Project Title	7. Project Number
AIRCRAFT PARKING APRON	238

(...continued)

(B) All Other Design Costs..... 135
(C) Total..... 135
(D) Contract..... 35
(E) In-House..... 100

(4) Contract Award..... 11/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 11/01

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LCDR PAUL WEBB Phone No: 512-595-6464

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00178	4. Command	5. Area Constr Cost Index
NAVAL SURFACE WEAPONS CENTER DAHLGREN VIRGINIA	Space and Naval Warfare Systems Command	0.9

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	160	573	3,389	0	0	0	91	61	0	4,274
b. End FY 2006	182	704	3,009	0	0	0	91	61	0	4,047

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (4,319.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	388,446.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	11,300.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	15,116.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	13,036.00
g.	REMAINING DEFICIENCY.....	47,550.00
h.	**GRAND TOTAL.....**	**475,448.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
310.33	INOV TEC & INFRASTRUCTURE	6,507 m2	11,300	01/99	07/01
	TOTAL		11,300		

9. Future Projects:

a. Included In The Following Program (FY 2002):

740.45	FITNESS CENTER ADDITION	1,282 m2	5,963
317.25	THEATER WARFARE INTEG CNTR	3,345 m2	9,153
	TOTAL		15,116

b. Major Planned Next Three Years:

316.10	WEAPONS DYNAMICS RDT&E CTR	616 m2	3,155
310.33	SLBM SPPT FACILITY ADDN	5,249 m2	9,881
	TOTAL		13,036

c. Real Property Maintenance Backlog ($000): $ 27,227

10. Mission Or Major Functions:

To maintain the primary inhouse research and development capability for electronic warfare systems, subsystems, and technology, including strategic systems support such as FBM targeting analysis, guidance computer programs, digital fire control program and geoballistics. Other research efforts consist of, but are not limited to, weapon system safety, chemical/biological warfare defense, tactical intelligence support systems,

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00178	4. Command	5. Area Constr Cost Index
NAVAL SURFACE WEAPONS CENTER DAHLGREN VIRGINIA	Space and Naval Warfare Systems Command	0.9

(...continued)

weapon ballistics, and satellite geodesy.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00178	4. Project Title
DAHLGREN DIV, NAVAL SURFACE WARFARE CTR DAHLGREN VIRGINIA	INNOVATION TECHNOLOGY AND INFRASTRUCTURE

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0605896N	310.33	285	11,300

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
INNOVATION TECHNOLOGY AND INFRASTRUCTURE	M2	6,507	-	9,800
BUILDING	M2	6,507	1,248	(8,120)
BUILT-IN EQUIPMENT	LS	-	-	(560)
INFORMATION SYSTEMS	LS	-	-	(980)
TECHNICAL OPERATING MANUALS	LS	-	-	(140)
SUPPORTING FACILITIES	LS	-	-	860
UTILITIES	LS	-	-	(530)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(220)
DEMOLITION	LS	-	-	(110)
SUBTOTAL	-	-	-	10,660
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	10,660
Supervision Inspection & Overhead (6.0%)	-	-	-	640
TOTAL REQUEST	-	-	-	11,300
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Two-story steel-frame building, with spread footing foundation, concrete floors, brick veneer, modified bitumen roofing on insulated metal decking, and steel joists with expansion wall; Sensitive Compartmented Information Facility (SCIF) construction, with associated Intrusion Detection System (IDS) for multiple program areas; will contain spaces for laboratories, analysis areas, scientific and technical support, program management, bulk storage room, presentation areas, work group rooms, classified document storage library, data communications equipment rooms, classified and unclassified data system networks and power systems; fire protection and alarm systems, special electronic grounding, heating ventilation and air conditioning (HVAC), direct digital control (DDC), backup generator, utilities, site development including storm water management, landscaping, parking, and sidewalks. Project includes demolition of 30,861 SF of temporary trailer space.

(Continued On DD 1391C)

(...continued)

11. Requirement: 6,507 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Constructs a joint-use multi-program SCIF facility to support Navy Technology Initiatives including: the Navy Operations Other Than War (NOOTW) Technology Center, the Joint Program Office for Special Technology Countermeasures (JPO STC), and the Defense Counterdrug Technology Development Program (Navy is the executive agent for the JPO STC and the Defense Counterdrug Technology Development Program).

Innovation Tech & Infrastructure = 6,507 m2 = 70,041 Square Feet (New mission)

REQUIREMENT:

Adequate and properly configured, collocated and integrated technical research space in a SCIF facility is required to support these national and Navy technology programs with spaces for laboratories, analysis areas, scientific and technical support, and program management.

The Secretary of the Navy (SECNAV) sponsored NOOTW Technology Center is the Navy focal point and clearing-house for concepts and technologies that can be applied to non-war operations. The NOOTW Technology Center is chartered to identify, evaluate, and catalog concepts, technologies, and methodologies that can support NOOTW missions, and develop NOOTW concepts and assess feasibility. The NOOTW programs use and exploit rapidly evolving technology advances, and the Center facilitates the leveraging of technology for the benefit of the Navy through coordination and teaming with other programs. OOTW is an area of increased Navy emphasis and responsibility in the foreseeable future. To effectively execute the program requires adequate collocated and integrated technical research space to bring in personnel from across the Navy to appraise emerging technology advances that run the gamut of security classifications.

CURRENT SITUATION:

Both the JPO STC and the NOOTW Technology Center are currently housed in temporary relocatables (trailers). Current space is congested, inadequate, and does not accommodate integration of technology to support planned requirements. These temporary facilities are not adequate for long term use as a SCIF, have a high maintenance cost, and cannot accommodate the future growth of program requirements. Condition of the

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00178
DAHLGREN DIV, NAVAL SURFACE WARFARE CTR DAHLGREN VIRGINIA

4. Project Title	7. Project Number
INNOVATION TECHNOLOGY AND INFRASTRUCTURE	285

(...continued)

trailers is impacting the quality of life and safety of personnel housed there. Space reconfiguration for different compartmented programs contribute to poor HVAC and air circulation.

IMPACT IF NOT PROVIDED:

The Navy Technology Initiatives will continue to utilize existing facilities that are inadequate and expensive to maintain.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 01/99
- (B) Date Design 35% Complete..... 03/99
- (C) Date Design Complete..... 07/01
- (D) Percent Complete As Of September 1999..... 35%
- (E) Percent Complete As Of January 2000..... 55%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... No
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 150
- (B) All Other Design Costs..... 920
- (C) Total..... 1070
- (D) Contract..... 970
- (E) In-House..... 100

(4) Contract Award..... 01/01

(5) Construction Start..... 03/01

(6) Construction Completion..... 01/03

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00178
DAHLGREN DIV, NAVAL SURFACE WARFARE CTR DAHLGREN VIRGINIA

4. Project Title	7. Project Number
INNOVATION TECHNOLOGY AND INFRASTRUCTURE	285

(...continued)

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: Cdr Stephen Eckel Phone No: (703) 663-8521

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N61414	4. Command	5. Area Constr Cost Index
NAVAL AMPHIBIOUS BASE LITTLE CREEK, VIRGINIA	Commander In Chief Atlantic Fleet	0.92

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	1,004	7,730	357	0	275	0	164	302	0	9,832
b. End FY 2006	947	7,257	573	0	258	0	164	302	0	9,501

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (8,621.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	370,991.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	2,830.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	4,286.00
g.	REMAINING DEFICIENCY.....	226,880.00
h.	**GRAND TOTAL.....**	**604,987.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
159.64	WATERFRONT OPS BLDG	1,386 m2	2,830	10/98	05/01
	TOTAL		2,830		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

872.10	PERIMETER SECURITY	0 LS	1,366
730.20	POLICE & SEC OPRS FAC	1,172 m2	2,920
	TOTAL		4,286

c. Real Property Maintenance Backlog ($000): $ 62,105

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. Support Amphibious Assault Ships, Amphibious Construction Battalion, Special Warfare Group Two, Amphibious School Beach Group Two, Service Squadron Eight, Explosive Ordnance Disposal Group Two.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N61414	4. Project Title
NAVAL AMPHIBIOUS BASE LITTLE CREEK, VIRGINIA	WATERFRONT OPERATIONS BUILDING

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204796N	159.64	371	2,830

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
WATERFRONT OPERATIONS BUILDING	M2	1,386	-	1,810
WATERFRONT OPERATIONS BUILDING	M2	1,013	1,085	(1,100)
PORT CONTROL OFFICE/TOWER	M2	373	1,386	(520)
TECHNICAL OPERATING MANUALS	LS	-	-	(70)
BUILT IN EQUIPMENT	LS	-	-	(40)
INFORMATION SYSTEMS	LS	-	-	(80)
SUPPORTING FACILITIES	LS	-	-	860
SPECIAL FOUNDATION FEATURES	LS	-	-	(100)
UTILITIES	LS	-	-	(310)
CONTAMINATED OIL REMOVAL	LS	-	-	(100)
DEMOLITION	LS	-	-	(350)

SUBTOTAL	-	-	-	2,670
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	2,670
Supervision Inspection & Overhead (6.0%)	-	-	-	160

TOTAL REQUEST	-	-	-	2,830
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	394

10. Description of Proposed Construction

Construction consists of a concrete masonry structure with brick veneer, pile supported foundation, and modified bituminous roof. Project includes heating, ventilation, and air conditioning systems, domestic water system, sanitary fixtures, electric service and distribution equipment, interior lighting, emergency generator, closed circuit TV system for pier observation, telephone, fire alarm and sprinkler systems. The Waterfront Operations Facility will include administrative spaces for Port Operations staff, observation tower, locker/shower area, publications library, departmental supply storage, classroom, duty crew male and female bunkrooms, and a crew's lounge. The building includes a tool issue room, bosun's locker, hazardous material locker, fuel storage tank, and a storage area for boat gear and oil spill equipment. This project also provides parking, utilities, area lighting, site improvements, landscaping, relocation of existing boat lifts, and demolition of seven buildings.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N61414
NAVAL AMPHIBIOUS BASE LITTLE CREEK, VIRGINIA

4. Project Title	7. Project Number
WATERFRONT OPERATIONS BUILDING	371

(...continued)

11. Requirement: 1,386 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Project constructs a new Waterfront Operations Facility by the intersection of Guadalcanal Road and Fairfax County Road, and upgrades physical security within the harbor.

Waterfront Operations Building = 1,386 m2 = 14,919 Square Feet
Waterfront Operations Building = 1,013 m2 = 10, 904 Square Feet
Port Control Office/Tower = 373 m2 = 4,015 Square Feet (Current mission)

REQUIREMENT:

Adequate facilities are required to provide waterfront operations support for 28 homeported amphibious ships. The Port Operations function also includes providing physical security within the harbor, and serves as an alternate command and control center for force protection.

CURRENT SITUATION:

The Port Operations functions are currently housed in seven, 40 year old facilities located less than 300 feet from the Ammunition Loading Berth, in violation of Navy explosives safety criteria. The Navy's Explosive Safety Criteria Manual (OP-5) requires inhabited buildings to have a separation distance of at least 1,250 feet from ammunition handling areas. Approximately 107 personnel are working in this explosives hazard area under a waiver.

IMPACT IF NOT PROVIDED:

All ordnance loading evolutions at NAVPHIBASE Little Creek will come to a halt if the waiver is withdrawn. Ships homeported at NAVPHIBASE Little Creek will have to load ammunition at either Naval Station Norfolk or Yorktown Ammunition Depot. Recently, Port Operations conducted 33 ammunition loading evolutions during an 11 month period.

Due to fuel consumption required for loading ammunition at these sites, fleet units homeported at NAVPHIBASE Little Creek will lose one "at sea" day per ordnance handling evolution (which equates to 33 lost training days based on the time frame above).

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N61414
NAVAL AMPHIBIOUS BASE LITTLE CREEK, VIRGINIA

4. Project Title	7. Project Number
WATERFRONT OPERATIONS BUILDING	371

(...continued)

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 10/98
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 05/01
- (D) Percent Complete As Of September 1999..... 15%
- (E) Percent Complete As Of January 2000..... 15%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... N/A

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used: DSGN BUILD

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 180
- (B) All Other Design Costs..... 88
- (C) Total..... 268
- (D) Contract..... 168
- (E) In-House..... 100

(4) Contract Award..... 12/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 07/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
CCTV CONTROL CENTER	OPN	2002	394

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N61414
NAVAL AMPHIBIOUS BASE LITTLE CREEK, VIRGINIA

4. Project Title	7. Project Number
WATERFRONT OPERATIONS BUILDING	371

(...continued)

Activity POC: CDR STEPHEN LORD Phone No: (757) 464-7285

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION NORFOLK VIRGINIA	Commander in Chief Atlantic Fleet	0.92

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	960	5,371	1,239	0	0	0	111	166	0	7,847
b. End FY 2006	966	4,496	1,155	0	0	0	111	166	0	6,894

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	707,599.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	13,430.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	31,450.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	660.00
g.	REMAINING DEFICIENCY.....	113,140.00
h.	**GRAND TOTAL.....**	**866,279.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
112.10	TAXIWAY EXTENSION & LIGHTS	21,468 m2	6,350	02/99	08/00
211.05	AIRCRAFT MAINT HANGAR	0 LS	11,800	02/99	10/00
211.05	AIRCRAFT MAINT HANGAR	7,215 m2	13,300	02/99	10/00
	TOTAL		31,450		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

740.25	FLIGHT LINE SEC IMPROV	0 LS	660
	TOTAL		660

c. Real Property Maintenance Backlog ($000): $ 118,056

10. Mission Or Major Functions:

Homeport to aviation units capable of deploying with carriers and other ships, including eight airborne early warning squadrons (VAW), one tactical support squadron (VRC), two helicopter mine countermeasures squadrons (HM), three LAMPS helicopter squadron (HSL); two helicopter utility squadron (HC), and one fleet composite squadron (VC). Also supports five reserve squadrons, air passenger and freight terminals and the adjacent Naval Aviation Depot.

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION NORFOLK VIRGINIA	Commander in Chief Atlantic Fleet	0.92

(...continued)

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188	4. Project Title
NAVAL AIR STATION NORFOLK VIRGINIA	TAXIWAY EXTENSION AND LIGHTS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204696N	112.10	113	6,350

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
TAXIWAY EXTENSION AND LIGHTS	M2	21,468	-	4,440
EXTEND TAXIWAY F	M2	16,431	125	(2,050)
SHOULDERS	M2	5,037	21	(110)
NEW RUNWAY APPROACH LIGHTS	LS	-	-	(850)
TAXIWAY LIGHTING	LS	-	-	(70)
REPAIR LIGHTING	LS	-	-	(1,360)
SUPPORTING FACILITIES	LS	-	-	1,550
SITE IMPROVEMENTS AND DEMOLITION	LS	-	-	(140)
ELECTRICAL UTILITIES	LS	-	-	(360)
LIGHTING VAULT	LS	-	-	(1,050)

SUBTOTAL	-	-	-	5,990
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	5,990
Supervision Inspection & Overhead (6.0%)	-	-	-	360

TOTAL REQUEST	-	-	-	6,350
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Construction of an extension to parallel taxiway F. The taxiway will be 22.86m wide and include necessary fill material, a stone base 305 millimeters thick and non-reinforced concrete 356 millimeters thick with doweled longitudinal joints, 3.81m paved shoulder, a Visual Guidance Lighting System (SSALS) on the last 427 meters of the runway, new taxiway lights on the new taxiway extension, repairs to existing lights on the runway and taxiways, and replacement of the existing airfield lighting vault and regulators. Demolition of one building.

11. Requirement: 21,468 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

The project extends the existing partial south side parallel taxiway to create a full length taxiway for use by the aircraft transiting to and from the south side of the airfield, and provides new approach lighting system and repairs to runway threshold, centerline, edge and taxiway lights.

(Continued On DD 1391C)

(...continued)

Taxiway Extension and Lights = 21,468 m2 = 231,080 Square Feet
Extend Taxiway F = 16,431 m2 = 176,862 Square Feet
Shoulders = 5,037 m2 = 54,218 Square Feet (Current mission)

REQUIREMENT:

A full-length south side taxiway is needed to provide separation of ordnance laden aircraft from the passenger terminal by providing direct access to/from both ends of the runway, and alternate access to the air cargo/air passenger terminals and the ordnance storage facilities on the south side of NAS Norfolk. Requirements for approach lights are based on Navy and Federal Aviation Administration (FAA) criteria.

CURRENT SITUATION:

NAS Norfolk supports 15 Fleet and Reserve squadrons, and air passenger and air cargo operations. Aircraft operating from the south side, which are often returning from the ordnance handling pad laden with ordnance, do not have direct access to the opposite end of the active runway and must either: (a) cross the active runway to gain access to the full length north side taxiway, which increases the possibility of a collision, or (b) taxi through the highly congested air cargo / air passenger parking aprons, and an indirect series of taxitracks to the other end of the primary runway. Aircraft movement through the convoluted southern route conflicts with both air cargo and air passenger operations and creates additional risk of aircraft accidents. The tempo of air cargo and air passenger flights has increased significantly over the past few years due to the closure of the Air Mobility Command (AMC) in Philadelphia. The Air Passenger Terminal is a major East Coast AMC hub which handles in excess of 150,000 passengers per year and 25,401 metric-tons of cargo annually. To accommodate the increased air passenger demand larger aircraft are being used on overseas flights. This increases the potential for larger numbers of casualties in the event of an accident.

The ambient lighting from the piers and surrounding buildings, and Interstate 564 makes it more difficult for pilots to clearly distinguish the airfield from the surrounding area and delays final visual acquisition of the runway. The addition of the approach lighting system to Runway 28 will greatly improve all pilots' ability to find the runway at night and during severe weather conditions. Commercial pilots will benefit from the approach lights, since they do not fly precision radar approaches. The existing lighting vault is in the runway clear zone, in violation of FAA

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188
NAVAL AIR STATION NORFOLK VIRGINIA

4. Project Title	7. Project Number
TAXIWAY EXTENSION AND LIGHTS	113

(...continued)

criteria. The lighting regulators require a voltage that is obsolete, and they are unsafe and difficult to maintain.

IMPACT IF NOT PROVIDED:

Without a full-length taxiway on the south side, large cargo aircraft and ordnance laden aircraft from the ordnance loading area will continue to taxi through the air passenger terminal passenger loading areas to reach the taxiway or taxi across the active runway. Both of these options create safety hazards.

The Air Passenger Terminal has increased the night flights to NAS Norfolk and over fifty percent of the approaches are instrument approaches. The failure to install the approach lights increases the chance of accidents. Failure to repair existing lights could force the runway to close for repairs if they fail or result in an accident if the lights fail during a landing.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 02/99
- (B) Date Design 35% Complete..... 01/00
- (C) Date Design Complete..... 08/00
- (D) Percent Complete As Of September 1999..... 15%
- (E) Percent Complete As Of January 2000..... 35%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 360
- (B) All Other Design Costs..... 120
- (C) Total..... 480

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188
NAVAL AIR STATION NORFOLK VIRGINIA

4. Project Title	7. Project Number
TAXIWAY EXTENSION AND LIGHTS	113

(...continued)

(D) Contract..... 380
(E) In-House..... 100

(4) Contract Award..... 11/00

(5) Construction Start..... 12/00

(6) Construction Completion..... 12/01

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LCdr Christopher Kiwus Phone No: (757) 444-2048

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188	4. Project Title
NAVAL AIR STATION NORFOLK VIRGINIA	AIRCRAFT MAINTENANCE HANGAR

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204696N	211.05	522	11,800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
AIRCRAFT MAINTENANCE HANGAR	LS	-	-	8,810
MAINTENANCE HANGAR	M2	3,608	1,174	(4,240)
BUILT-IN EQUIPMENT	LS	-	-	(1,170)
TAXIWAY, PARKING APRON, OVERLAY	m2	95,302	34	(3,240)
INFORMATION SYSTEMS	LS	-	-	(60)
TECHNICAL OPERATING MANUALS	LS	-	-	(100)
SUPPORTING FACILITIES	LS	-	-	2,320
SPECIAL FOUNDATION FEATURES (PILES)	LS	-	-	(240)
ELECTRICAL UTILITIES	LS	-	-	(280)
MECHANICAL UTILITIES	LS	-	-	(120)
ROADS, PARKING & SIDEWALKS	LS	-	-	(70)
RELOCATE CALIBRATION PAD	LS	-	-	(460)
DEMOLITION	LS	-	-	(1,120)
ENVIRONMENTAL PROTECTION	LS	-	-	(30)
SUBTOTAL	-	-	-	11,130
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	11,130
Supervision Inspection & Overhead (6.0%)	-	-	-	670
TOTAL REQUEST	-	-	-	11,800
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Construct a one module, Type I Modified Aircraft Maintenance Hangar on reinforced concrete pile foundation. The project will also construct 3,303 m2 of taxiway and 18,152 m2 of parking apron and overlay 73,847 m2 of existing parking apron with Resin Modified Paving. Construction features for the hangar will consist of reinforced concrete floors, metal frame and Concrete Masonry Unit (CMU) block walls, steel-trussed ceiling, built-up roofing, fire sprinkler system in administrative areas and Aqueous Film Forming Foam (AFFF) sprinkler system in the hangar bays, and two 6804 Kg bridge cranes. Height of the hangar will be increased to accommodate E-2C planes. The hangar module will contain administrative, equipment and hangar space. Additional items include utilities (electrical and mechanical), site improvements, 400 Hz D.C. power

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188
NAVAL AIR STATION NORFOLK VIRGINIA

4. Project Title	7. Project Number
AIRCRAFT MAINTENANCE HANGAR	522

(...continued)
distribution system, compressed air system, air conditioning and heating of personnel administrative spaces, and state of the art energy savings equipment; demolition of seven buildings and associated asbestos removal; new parking apron and overlay of existing parking apron for E-2C planes and new parking for 100 vehicles; demolition and relocation of calibration Pad LP67.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:
This project will construct a one module, modified Type I Aircraft Maintenance Hangar for VAW 123 and 124.

Maintenance Hangar = 3,608 m2 = 38,836 Square Feet
Taxiway, Parking Apron, Overlay = 95,302 m2 = 1,025,822 Square Feet
(Current mission)

REQUIREMENT:

Adequate space is required for the squadrons VAW 123 and 124. The Naval Air Station is tasked to support the Airborne Early Warning Squadrons VAW 123 and 124, which are located in a WWII maintenance hangar in the (SP) area of the Naval Air Station. The Naval Air Station has a requirement for 37,881 m2 of Type I Maintenance Hangars. Nine hangars are planned for demolition in a long range Hangar Master Plan, due to structural deterioration, inefficient floor plans and hangar location. Replacement of these hangars has been approved in the master plan for NAS Norfolk by Chief of Naval Operations (CNO). This project along with P-523, P-524, and P-525 will complete the hangar replacement.

CURRENT SITUATION:

The existing LP hangars were originally designed to support fixed-wing, reciprocating engine aircraft, and lack the facilities necessary to perform maintenance and hands-on maintenance training in support of the more sophisticated aircraft of the squadrons currently housed in the hangars. These hangars and three hangars in the SP area are planned for demolition because they cannot be made adequate economically. Dependency on computers for records, mail and training is increasing, but electrical power is not sufficient. In SP1, which houses the VAW 123 and VAW 124 squadrons, the roof boards have been replaced in sections, but rainfall inside the hangar is measurable. There are no cranes inside the hangar for removal of the E-2C dome. The floor is buckling and there are rainwater

(...continued)

puddles in the hangar. The concrete floor is being patched with asphalt, but asphalt will not stand up to the aircraft weight and jet fuel. The maintenance backlog on SP1 is $5,000,000. SP is typical of all the WWII hangars. The VAW squadrons in the SP area are an operational hazard because they must taxi across Bellinger Blvd., a main automobile traffic corridor traversing the airfield. The overlay in the project is to correct a parking apron that was the subject of a Naval Aviation Hazard Report dated 6 Nov 97. Some of the parked aircraft penetrate runway clearance surface requiring airfield safety waivers. The demolition of LP2, LP6, LP7, LP12, LP27 and LP28 will free up parking apron to eliminate this waiver.

IMPACT IF NOT PROVIDED:

Old, inadequate and inefficient WWII hangars will continue to be used for maintenance of expensive Navy aircraft. Shortages in aircraft hangar space will become more severe. There will continue to be shortages in parking apron.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 02/99
- (B) Date Design 35% Complete..... 01/00
- (C) Date Design Complete..... 10/00
- (D) Percent Complete As Of September 1999..... 15%
- (E) Percent Complete As Of January 2000..... 35%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 650
- (B) All Other Design Costs..... 325

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188
NAVAL AIR STATION NORFOLK VIRGINIA

4. Project Title	7. Project Number
AIRCRAFT MAINTENANCE HANGAR	522

(...continued)

(C) Total..... 975
(D) Contract..... 525
(E) In-House..... 450

(4) Contract Award..... 12/00

(5) Construction Start..... 01/01

(6) Construction Completion..... 07/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LCdr Christopher Kiwus Phone No: (757) 444-2048

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188	4. Project Title
NAVAL AIR STATION NORFOLK, VIRGINIA	AIRCRAFT MAINTENANCE HANGAR

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204696N	211.05	524	13,300

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
AIRCRAFT MAINTENANCE HANGAR	m2	7,215	-	9,020
AIRCRAFT MAINTENANCE HANGAR	m2	7,215	1,126	(8,120)
BUILT-IN EQUIPMENT	LS	-	-	(700)
INFORMATION SYSTEMS	LS	-	-	(80)
TECHNICAL OPERATING MANUALS	LS	-	-	(120)
SUPPORTING FACILITIES	LS	-	-	3,530
SPECIAL FOUNDATION FEATURES	LS	-	-	(510)
ELECTRICAL UTILITIES	LS	-	-	(490)
MECHANICAL UTILITIES	LS	-	-	(300)
ROADS, PARKING AND SIDEWALKS	LS	-	-	(150)
AIRFIELD PAVEMENT REPLACEMENT	LS	-	-	(1,120)
DEMOLITION	LS	-	-	(960)

SUBTOTAL	-	-	-	12,550
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	12,550
Supervision Inspection & Overhead (6.0%)	-	-	-	750

TOTAL REQUEST	-	-	-	13,300
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

This project will construct a double module, Type I Aircraft Maintenance Hangar on reinforced concrete pile foundation. Construction features for the hangar consist of reinforced concrete floors, metal frame and Concrete Masonry Unit (CMU) walls, steel-truss ceiling, built-up roofing, fire sprinkler system in administrative areas and Aqueous Film Forming Foam (AFFF) sprinkler system in the hangar bays, and two 6804 kg bridge cranes. The hangar will contain administrative, equipment and maintenance space. Additional items include utilities (electrical and mechanical), Naval Air Logistics Control Office Management Information System (NALCOMIS), site improvements, 40OHz D.C. power distribution system, compressed air system, air conditioning and heating of personnel administrative spaces, and state of the art energy savings equipment. Project includes demolition of Buildings SP31, SP1 02, SPI 05, SP241 and SP228 (11,130 m2). These buildings contain asbestos. Project includes new parking for 200

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188
NAVAL AIR STATION NORFOLK, VIRGINIA

4. Project Title	7. Project Number
AIRCRAFT MAINTENANCE HANGAR	524

(...continued)
vehicles.

11. Requirement: 7,215 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:
Constructs an aircraft maintenance hangar.

Aircraft Maintenance Hangar = 7,215 m2 = 77,662 Square Feet (Current mission)

REQUIREMENT:

Adequate space is required to support the NAS Norfolk Hangar Plan requirements for maintenance hangar space and aircraft parking apron. NAS Norfolk has a total requirement for 36,080 m2 of Type I hangar space. This project will construct a double module, Type l hangar for the helicopter squadrons HC-2 and HCS-4. This project will demolish 11,130 m2 of inadequate hangar space. A parking apron deficiency in the LP apron will be corrected by this project. This is an airfield recapitalization investment project to support current mission requirements. This project is the third of five projects and the first project in the SP area, which will complete the NAS Norfolk Hangar Plan.

CURRENT SITUATION:

NAS Norfolk has nine WWII maintenance hangars designed for aircraft no longer used by the Navy. These hangars are beyond economical repair and need to be replaced. The electrical panels in these hangars are no longer manufactured. Numerous electrical violations exist in these hangars. An insufficient amount of electrical power exists, which reduces the number of computers and fax machines that can be used and increase the risk of damage to computers and repair equipment. These electrical problems cause delays in receiving parts, longer training time and delays in maintenance. The configuration is not compatible for the space requirements of today's squadrons, resulting in the use of line shacks outside the hangars. One hangar, SP1 is in the process of being permanently closed due to safety concerns. SP1 is typical of these hangars, and several other hangars are reporting hazardous conditions. In LP2, the existing two 225KVA 120/208volt transformers do not have sufficient power to support new frequency converters and motor generator sets. To be made adequate, all of these hangars require a complete renovation. In SP1, which houses squadrons VAW 123, 124, 125, and 126, the roof boards have been replaced in sections, however rainfall inside the building from both the roof and

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188
NAVAL AIR STATION NORFOLK, VIRGINIA

4. Project Title	7. Project Number
AIRCRAFT MAINTENANCE HANGAR	524

(...continued)

windows is plentiful.

IMPACT IF NOT PROVIDED:

Continued use of these hangars will require emergency repairs and costly utility bills (due to the large footprints). The loss of hangar SP1 will severely limit the capability of the VAW squadrons to remove the dome from their plane. Maintenance time will be lengthened, as aircraft need to wait for an available hangar space with the crane and required ceiling height to remove the domes. Failure to replace these hangars also increases the threat to personnel from falling roof boards and electrical shock, and will increase damages to aircraft and equipment. Failure to implement the Hangar Plan will require E-2C aircraft to taxi across Bellinger Blvd., an automobile traffic corridor traversing the airfield. Not only does this waste time and fuel, but this causes an operational hazard.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 02/99
- (B) Date Design 35% Complete..... 02/00
- (C) Date Design Complete..... 10/00
- (D) Percent Complete As Of September 1999..... 15%
- (E) Percent Complete As Of January 2000..... 30%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 650
- (B) All Other Design Costs..... 325
- (C) Total..... 975
- (D) Contract..... 525

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00188
NAVAL AIR STATION NORFOLK, VIRGINIA

4. Project Title	7. Project Number
AIRCRAFT MAINTENANCE HANGAR	524

(...continued)

(E) In-House..... 450

(4) Contract Award..... 12/00

(5) Construction Start..... 01/01

(6) Construction Completion..... 06/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
			0

Activity POC: LCdr Christopher Kiwus Phone No: (757) 444-2048

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62688	4. Command	5. Area Constr Cost Index
NAVAL STATION NORFOLK VIRGINIA	Commander in Chief Atlantic Fleet	0.92

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	3,216	38,925	7,288	0	0	0	280	513	0	50,222
b. End FY 2006	3,237	44,008	6,612	0	0	0	280	513	0	54,650

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	625,803.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	33,330.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	4,700.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	36,882.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	183,923.00
g.	REMAINING DEFICIENCY.....	486,954.00
h.	**GRAND TOTAL.....**	**1,371,592.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
151.20	PIER ENHANCEMENTS	0 LS	4,700	11/98	10/99
	TOTAL		4,700		

9. Future Projects:

a. Included In The Following Program (FY 2002):

# 821.09	CONTROL PLANT ASBESTOS	49,975 m2	3,680	
151.20	PIER 3 REPLACEMENT (PH I)	914 MB	23,578	
211.05	AIRCRAFT MAINT HANGAR RPL	3,608 m2	9,624	
	TOTAL		36,882	

b. Major Planned Next Three Years:

151.20	PIER REPLACEMENT	0 LS	38,053	
151.20	PIER 10 BUILD-OUT	457 MB	45,275	
112.10	AIRFIELD RECAP (PH I)	0 LS	4,709	
112.10	AIRFIELD RECAP PH II	53,841 m2	4,710	
151.20	PIER 3 REPLACEMENT (PH II)	914 MB	29,260	
165.10	DREDGING	130,000 CY	1,790	
211.05	AIRCRAFT MAINT HANGARS	3,608 m2	11,491	
610.10	2ND FLEET OPS CTR	32,799 m2	30,240	
730.10	FIRE STATION	1,195 m2	4,163	
610.10	COMMAND OPS FACILITY	140,000 SF	14,232	
	TOTAL		183,923	

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62688	4. Command	5. Area Constr Cost Index
NAVAL STATION NORFOLK VIRGINIA	Commander in Chief Atlantic Fleet	0.92

(...continued)

c. Real Property Maintenance Backlog ($000): $ 268,276

10. Mission Or Major Functions:

Functions as the primary operating base of the Atlantic Fleet, homeport to over 80 ships, including aircraft carriers, surface escorts and other combatants, logistics support ships, and attack submarines. This station is the hub of the major Tidewater Logistics Complex of Hampton Roads, Portsmouth, Yorktown and Little Creek. Supporting the following activities: Amphibious Group Naval Air Station Cruiser-Destroyer Group Naval Aviation Depot (to be closed) Attack Submarine Squadrons Nuclear Weapons Training Center Fleet Training Center Navy Public Works Center Shore Intermediate Maint. Act. Naval Supply Center Service Group

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 3,680

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62688	4. Project Title
NAVAL STATION NORFOLK, VIRGINIA	PIER ENHANCEMENTS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204796N	151.20	099A	4,700

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PIER ENHANCEMENTS	LS	-	-	-
SUPPORTING FACILITIES	LS	-	-	4,430
ELECTRICAL UTILITIES	LS	-	-	(870)
DEMOLITION	LS	-	-	(840)
DREDGING	LS	-	-	(2,720)
SUBTOTAL	-	-	-	4,430
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	4,430
Supervision Inspection & Overhead (6.0%)	-	-	-	270
TOTAL REQUEST	-	-	-	4,700
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

This project provides enhancements to Berthing Pier 21 to include: dredging to a depth of 12.2m (+/-0.6m) 131.3 square feet to provide sufficient depth for Deep-Draft, Power-Intensive ships; demolition of Pier 22 and acquisition and installation of four additonal weatherproof enclosed 4000 kVA skid-mounted secondary unit substations.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:

This project will demolish Pier 22, dredge pier approach and ship berthing areas to a depth sufficient to accommodate deep-draft surface ships and acquire and install additional electrical substations to support berthed ships. (Current mission)

REQUIREMENT:

The comprehensive Regional waterfront Plan for the Hampton Roads region requires berthing for ship loading of 89 ships and utilizing ship nesting. The project will provide necessary additional electrical utilities, dredging at Pier 21 and the demolition of Pier 22 to provide efficient and safe general purpose berthing capability in support of the U.S. Atlantic Fleet.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62688
NAVAL STATION NORFOLK, VIRGINIA

4. Project Title	7. Project Number
PIER ENHANCEMENTS	099A

(...continued)

CURRENT SITUATION:

Pier 22 is inadequate and needs to be demolished as it encumbers the Pier 21 ship maneuver and berthing areas. Pier 22 deficiencies include structural limitations and inadequate deck access and laydown areas to support current and future ship berthing operations. Upon completion, Pier 21 will have adequate structural capacity and deck area but will lack sufficient electrical substations to allow maximum utilization of its ship berthing capability. Dredge depth will be sufficient for older classes of surface compatants but will be insufficient for modern deep-draft, power-intensive ships. Pier 22 must be demolished to allow utilization of Pier 21's north side berthing areas.

IMPACT IF NOT PROVIDED:

If this project is not completed, requirements of the Regional Waterfront Plan will not be met. Recapitalization goals of the region's waterfront will be delayed. Full utilization of Pier 21 will not be realized without additional electrical utilities, dredging and the demolition of Pier 22.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 11/98
- (B) Date Design 35% Complete..... 05/99
- (C) Date Design Complete..... 10/99
- (D) Percent Complete As Of September 1999..... 95%
- (E) Percent Complete As Of January 2000..... 100%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used: P355 NORFK

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 300

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62688
NAVAL STATION NORFOLK, VIRGINIA

4. Project Title	7. Project Number
PIER ENHANCEMENTS	099A

(...continued)

(B) All Other Design Costs..... 145
(C) Total..... 445
(D) Contract..... 400
(E) In-House..... 45

(4) Contract Award..... 11/00

(5) Construction Start..... 11/00

(6) Construction Completion..... 01/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: CDR DAVID PHILLIPS Phone No: (757) 322-2351

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60191	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION OCEANA VIRGINIA BEACH VIRGINIA	Commander in Chief Atlantic Fleet	0.92

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	654	6,029	1,473	100	152	0	83	125	0	8,616
b. End FY 2006	959	8,056	1,487	167	0	0	83	125	0	10,877

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (23,501.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	332,203.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	5,250.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	4,188.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	5,830.00
g.	REMAINING DEFICIENCY.....	194,654.00
h.	**GRAND TOTAL.....**	**542,125.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
111.10	AIRFIELD IMPROVEMENTS	394,858 m2	5,250	07/99	07/00
	TOTAL		5,250		

9. Future Projects:

a. Included In The Following Program (FY 2002):

141.11	AIR PASSENGER CARGO TERM	2,792 m2	4,188
	TOTAL		4,188

b. Major Planned Next Three Years:

872.10	AIRFIELD PERIMETER SEC	0 LS	3,899
136.10	AIRFIELD APPROACH LIGHTING	3,355 m	1,931
	TOTAL		5,830

c. Real Property Maintenance Backlog ($000): $ 110,551

10. Mission Or Major Functions:

This Atlantic Fleet master jet base provides operational support to 12 fighter squadrons (F-14) and eight medium attack squadrons (A-6) which deploy on Atlantic Fleet aircraft carriers, one adversary fighter squadron, two reserve units, and two Fleet Readiness Squadrons. It also provides support to ALF (Auxiliary Landing Field) Fentress.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60191	4. Project Title
NAVAL AIR STATION OCEANA, VIRGINIA	AIRFIELD IMPROVEMENTS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204696N	111.10	758	5,250

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
AIRFIELD IMPROVEMENTS	M2	394,858	-	4,950
REHABILITATE RUNWAY & HOLD AREAS 14R/32L	M2	202,745	10	(2,030)
REHABILITATE RUNWAY & HOLD AREAS 14L/32R	M2	120,007	12	(1,440)
REPAIR TAXIWAY 5	M2	60,923	16	(970)
MISC RUNWAY LIGHTING REPAIRS	LS	-	-	(50)
MISC REPAIRS TO TAXIWAY 14 & TAXIWAY C	M2	11,183	41	(460)
SUPPORTING FACILITIES		-	-	-
SUBTOTAL	-	-	-	4,950
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	4,950
Supervision Inspection & Overhead (6.0%)	-	-	-	300
TOTAL REQUEST	-	-	-	5,250
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Pavement upgrades and repairs to Portland cement concrete (PCC) runways and taxiways (partial and full-depth slab replacement, base course removal and replacement, crack sealing, and joint repair and resealing); upgrades/repairs to asphalt surfaced pavements (milling and applying an asphalt overlay); and repainting of disturbed pavement markings on repaired pavements. Miscellaneous runway lighting repairs at isolated locations involves resetting light bases, replacing wiring and fixtures.

11. Requirement: 394,858 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:
Provide critical repairs to Runway 14R/32L, Runway 14L/32R and two primary taxiways.

Airfield Improvements = 394,858m2 = 4,250,216 Square Feet
Rehabilitate Runway & Hold Areas 14R/32L = 202,745 m2 = 2,182,329 Square Feet
Rehabilitate Runway & Hold Areas 14L/32R = 120,007 m2 = 1,291,745 Square Feet
Repair Taxiway 5 = 60,923 m2 = 648,988 Square Feet
Misc Repairs to Taxiway 14 & Taxiway C = 11,183 m2 = 120,373 Square Feet

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60191
NAVAL AIR STATION OCEANA, VIRGINIA

4. Project Title	7. Project Number
AIRFIELD IMPROVEMENTS	758

(...continued)
(Current mission)

REQUIREMENT:

Adequate runway and taxiway pavements are required to accommodate the mission of Naval Air Station Oceana in maintaining Fleet readiness as a Master Jet Base. Specific pavements require improvements to maintain their surface condition (PCI). Pavements require strengthening to support the anticipated day-to-day aircraft traffic for the next 20 years.

CURRENT SITUATION:

These airfield pavements have deteriorated due to a combination of factors: pavement age, high usage (the repeated loading from tactical aircraft having high tire pressures and from increased numbers of heavy transport aircraft), pavement subgrade failure due to overloading, and isolated locations of latent construction defects and damage from freeze/thaw cycles. Deteriorating pavement surface conditions on Runways 14L and 14R and taxiways present a significant Foreign Object Damage (FOD) hazard to operating aircraft. Ingesting fragments of pavement or joint sealant can severely damage or destroy an aircraft engine, and FOD is a constant threat to the safety of aircraft, pilots, air crews and civilian populations.

In FY98, 24 Oceana based aircraft engines were FOD-ed from external sources: concrete, asphalt, joint sealant, etc. In FY-98 the Navy spent $1,647,551 for the repair of aircraft engines damaged by debris from deteriorated pavements at NAS Oceana.

IMPACT IF NOT PROVIDED:

If this project is not provided, NAS Oceana airfield pavements will continue to deteriorate. The potential for Foreign Object Damage (FOD) to operating aircraft will increase dramatically. Personnel safety will be jeopardized while the aircraft is in flight, landing/taking-off, and undergoing maintenance. Unsuitable pavement conditions may dictate pavement areas be closed unexpectedly, preventing the support of assigned squadron aircraft, transient aircraft and cargo aircraft. Runways, Taxiways and Aircraft Parking Apron pavements are MISSION ESSENTIAL, CORE INFRASTRUCTURE for a Master Jet Base. In addition, closed pavement areas severely impact the airfield operational mission and increase the emergency response times in the event of an airfield emergency. Runway

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N60191
NAVAL AIR STATION OCEANA, VIRGINIA

4. Project Title	7. Project Number
AIRFIELD IMPROVEMENTS	758

(...continued)
14/32, pavement replacement and strengthening is more cost efficient than repeated short-term repairs, aircraft maintenance actions, and potential costs related to safety and personnel injury.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 07/99
- (B) Date Design 35% Complete..... 01/00
- (C) Date Design Complete..... 07/00
- (D) Percent Complete As Of September 1999..... 25%
- (E) Percent Complete As Of January 2000..... 35%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 300
- (B) All Other Design Costs..... 290
- (C) Total..... 590
- (D) Contract..... 500
- (E) In-House..... 90

(4) Contract Award..... 12/00

(5) Construction Start..... 01/01

(6) Construction Completion..... 12/01

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: CDR MICHAEL STOLL Phone No: (757) 433-3321

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00181	4. Command	5. Area Constr Cost Index
NORFOLK NAVAL SHIPYARD PORTSMOUTH VIRGINIA	Naval Sea Systems Command	0.92

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	123	531	8,333	0	50	0	206	2,660	0	11,903
b. End FY 2006	141	606	8,554	0	63	0	224	4,011	0	13,599

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (787.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	112,361.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	16,100.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	18,492.00
g.	REMAINING DEFICIENCY.....	241,120.00
h.	**GRAND TOTAL.....**	**388,073.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
721.11	BEQ	9,790 m2	16,100	08/99	05/01
	TOTAL		16,100		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

740.74	CHILD DEVELOPMENT CENTER	2,302 m2	3,892
152.50	PIER 3 IMPVS	305 LM	14,600
	TOTAL		18,492

c. Real Property Maintenance Backlog ($000): $ 74,952

10. Mission Or Major Functions:

Maintenance and overhaul of conventional and nuclear powered 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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00181	4. Project Title
NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA	BACHELOR ENLISTED QUARTERS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0702096N	721.11	504	16,100

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
BACHELOR ENLISTED QUARTERS	M2	9,790	-	12,280
BACHELOR ENLISTED QUARTERS	M2	9,790	1,230	(12,040)
INFORMATION SYSTEMS	LS	-	-	(170)
TECHNICAL OPERATING MANUALS	LS	-	-	(70)
SUPPORTING FACILITIES	LS	-	-	2,910
SPECIAL FOUNDATION FEATURES	LS	-	-	(590)
ELECTRICAL UTILITIES	LS	-	-	(590)
MECHANICAL UTILITIES	LS	-	-	(520)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(820)
DEMOLITION	LS	-	-	(390)

SUBTOTAL	-	-	-	15,190
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	15,190
Supervision Inspection & Overhead (6.0%)	-	-	-	910

TOTAL REQUEST	-	-	-	16,100
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Construct a multi-story interior corridor bachelor enlisted quarters with concrete pile foundations, slab on grade, brick Concrete Masonry Unit (CMU) exterior walls, terne-coated stainless-steel roof and downspouts. The facility will consist of 100 "2 + 0" modules transient quarters, with semi-private heads and private closets. The structure will include high efficiency central heating/air conditioning, telephone and local area network (LAN) cable, elevators, fire alarm system, sprinklers with fire pump, and utilities. Core area will include lobby, administrative services, activity spaces, telephone cubicles, laundry, and vending area, electrical and mechanical utilities, landscaping with irrigation systems and parking. Provide brick courtyard area and a volleyball court. Demolish one building for parking. Special construction features include pile foundations and force protection.

Intended utilization: 356 (312 E1-E4 and 44 E5-E6); Maximum utilization: 400 (E1-E4).

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00181
NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	504

(...continued)

11. Requirement: 4,310 PN Adequate: 1,289 PN Substandard: 0 PN

PROJECT:

Construct a new multi-story transient bachelor enlisted quarters within the secured boundaries of the Norfolk Naval Shipyard.

Bachelor Enlisted Quarters = 9,790 m2= 105,379 Square Feet (Current mission)

REQUIREMENT:

Adequate housing is required for transient personnel during ship overhaul. Norfolk Naval Shipyard modernizes and repairs all class of Navy ships and submarines. Enlisted crew must have adequate housing while ships are in overhaul. The shipyard currently has a large deficiency of BEQ spaces to support workload. There's a requirement for 1398 E1-E4 transient beds, 2240 E5-E6, and 672 E7-E9 transient beds. The shipyard plans to meet its enlisted personnel housing requirement through existing BEQ replacements and new construction. This project is the second phase of the NNSY BEQ Phasing Plan. This project is consistent with the Regional One plus One Transition Plan for Norfolk Naval Shipyard.

CURRENT SITUATION:

The shipyard currently has a deficiency of quarters for transient enlisted military personnel. The deteriorated living conditions faced by crews remaining on-board ships during overhauls are demoralizing and disruptive to shipboard routine. Frequent interruptions of heat, air conditioning, steam, water, and electrical services combined with a generally noisy, dirty environment render many shipboard areas uninhabitable. During ship overhauls sailors are housed in quarters in the shipyard, in lease spaces in the Plymouth area, or on berth barges. The west wing of building 1439 (Dale Hall) is currently used to house transient sailors in the shipyard. The East wing was closed in FY96 due to its condition, and the entire building is listed as inadequate and is scheduled for demolition and replacement in Military Construction Project P-508, BEQ Replacement. Leasing rooms in the area requires a long lead time for approximately 544 individuals, which may not be available in one location. Providing transportation to and from hotels is a major cost and is not economically feasible to the Navy. Barges are only used if no other option is available.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00181
NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	504

(...continued)

IMPACT IF NOT PROVIDED:

If this project is not accomplished, contract with local hotel establishments or the use of berthing barges will be necessary to provide living spaces for enlisted personnel. This will result in personnel being house in different locations or in inadequate conditions, which will adversely affect morale and camaraderie. There will continue to be a large deficiency of bachelor enlisted housing and existing egregious conditions will continue to erode and undermine the Navy's Quality of Life Program for military personnel.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 08/99
- (B) Date Design 35% Complete..... 12/99
- (C) Date Design Complete..... 05/01
- (D) Percent Complete As Of September 1999..... 15%
- (E) Percent Complete As Of January 2000..... 35%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... N/A
- (H) Energy study/life-cycle analysis performed..... N/A

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used: P508

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 600
- (B) All Other Design Costs..... 400
- (C) Total..... 1000
- (D) Contract..... 50
- (E) In-House..... 950

(4) Contract Award..... 12/00

(5) Construction Start..... 01/01

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00181
NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	504

(...continued)

(6) Construction Completion..... 10/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

C. FY 1999 Unacccompanied Housing Real Property Maint Conducted ($000) 0
D. FY 2000 Unacccompanied Housing Real Property Maint Conducted ($000) 260
E. Future Unacccompanied Housing Real Property Maint Requirements ($000) 2635
Activity POC: CDR STUART PERRITT Phone No: 757-396-8141

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00264	4. Command	5. Area Constr Cost Index
MARINE CORPS BASE QUANTICO VIRGINIA	Commandant of the Marine Corps	0.92

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 6/30/99	149	1,345	1,071	995	697	1,444	725	1,901	2,624	10,951
b. End FY 2006	150	1,346	976	995	697	1,444	1,296	2,756	2,997	12,657

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (60,484.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	355,490.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	35,850.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	8,590.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	22,353.00
g.	REMAINING DEFICIENCY.....	209,671.00
h.	**GRAND TOTAL.....**	**631,954.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
740.50	PHYSICAL TRAINING FAC	5,292 m2	8,590	01/99	04/01
	TOTAL		8,590		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

141.60	TRNG & RESOURCES FAC	0 LS	5,887
143.45	ARMORY SM-ARMS/AMMO/EM GR	9,500 SF	2,845
851.10	TRAFFIC IMPROVEMENT	0 LS	6,263
740.25	FAMILY SERVICES CENTER	0 LS	1,556
740.43	STAFF NCO ACADEMY	0 LS	5,802
	TOTAL		22,353

c. Real Property Maintenance Backlog ($000): $ 43,900

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,

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00264	4. Command	5. Area Constr Cost Index
MARINE CORPS BASE QUANTICO VIRGINIA	Commandant of the Marine Corps	0.92

(...continued)

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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00264	4. Project Title
MARINE CORPS COMBAT DEV COMMAND QUANTICO, VIRGINIA	PHYSICAL TRAINING FACILITY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0805796M	740.50	058	8,590

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PHYSICAL TRAINING FACILITY	m2	5,292	-	7,490
BUILDING	m2	5,292	1,338	(7,080)
BUILT-IN EQUIPMENT	LS	-	-	(300)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
INFORMATION SYSTEMS	LS	-	-	(50)
SUPPORTING FACILITIES	LS	-	-	610
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(30)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(250)
FORCE PROTECTION	LS	-	-	(40)
DEMOLITION	LS	-	-	(130)

SUBTOTAL	-	-	-	8,100
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	8,100
Supervision Inspection & Overhead (6.0%)	-	-	-	490

TOTAL REQUEST	-	-	-	8,590
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	1,916

10. Description of Proposed Construction

Single story building constructed with structural steel column framing, steel truss roof structure with rigid insulation and seamless steel roof system, reinforced foundations, slab grade, exterior masonry walls with brick face veneer, fire protection system, heating/ventilation/air conditioning system (HVAC), utilities, paving and site improvements, parking, and force protection features. Indoor features of facility include SEMPER FIT health promotion and wellness areas, basketball/volleyball/racquetball/handball courts, a fitness area, an aerobic room, male/female/family locker areas, a multi-purpose activity area, a combative/martial arts room, and staff administrative, storage, and service spaces. Demolishes one building. Building will be constructed per the Quantico Base Exterior Architectural Plan (BEAP).

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00264
MARINE CORPS COMBAT DEV COMMAND QUANTICO, VIRGINIA

4. Project Title	7. Project Number
PHYSICAL TRAINING FACILITY	058

(...continued)

11. Requirement: 5,292 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

Constructs an indoor fitness facility to support the physical training requirements of 7,378 Marines and Sailors attached to Marine Corps Base (MCB) Quantico, Virginia.

Physical Training Facility = 5,292 m2 = 56,963 Square Feet (Current mission)

REQUIREMENT:

Adequate and properly configured facilities to provide quality physical training, fitness development, and health promotion for the military population and their dependents at MCB Quantico, VA.

CURRENT SITUATION:

Currently, MCB Quantico's physical fitness services are provided in a deteriorated 1942-vintage Sea-Plane hanger which also houses the Marine Corps Air Facility (MCAF) Crash Crew and Refueler Maintenance Shop, the Presidential Helicopter Squadron's Ground Support Equipment Shops, and the Marine Corps Air-Ground Museum Restoration Shop. The hangar is an inadequate facility isolated from the mainside enlisted barracks and work areas, and it lacks adequate heating, ventilation and air conditioning. Unsuitable for fitness activities, the hangar is frequently inundated with motor vehicle exhaust and paint fumes generated by other building tenants. Water from roof leaks seep into the physical training areas and threaten the health and comfort of personnel exercising. The facility also contains highly flammable materials, lacks adequate fire protection and does not meet current building Life/Safety Codes.

IMPACT IF NOT PROVIDED:

Physical training services will be severely inhibited within the overcrowded, inadequate and unsuitable facility. Lack of adequate support facilities has a direct, harmful impact on the morale and the physical well-being of Marines and their dependents assigned to MCB Quantico.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00264
MARINE CORPS COMBAT DEV COMMAND QUANTICO, VIRGINIA

4. Project Title	7. Project Number
PHYSICAL TRAINING FACILITY	058

(...continued)

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 01/99
- (B) Date Design 35% Complete..... 03/99
- (C) Date Design Complete..... 04/01
- (D) Percent Complete As Of September 1999..... 45%
- (E) Percent Complete As Of January 2000..... 60%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 431
- (B) All Other Design Costs..... 353
- (C) Total..... 784
- (D) Contract..... 719
- (E) In-House..... 65

(4) Contract Award..... 12/00

(5) Construction Start..... 02/01

(6) Construction Completion..... 10/02

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Collateral Equipment	O&M,MC	2002	1916

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: M00264
MARINE CORPS COMBAT DEV COMMAND QUANTICO, VIRGINIA

4. Project Title	7. Project Number
PHYSICAL TRAINING FACILITY	058

(...continued)

Activity POC: LT LAURENCE READAL Phone No: 703-784-2321

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N45534	4. Command	5. Area Constr Cost Index
AEGIS COMBAT SYSTEMS CENTER WALLOPS ISLAND VIRGINIA	Naval Sea Systems Command	0.95

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	11	108	51	0	0	0	30	21	0	221
b. End FY 2006	11	130	55	0	0	0	30	21	0	247

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	32,930.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	3,300.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	0.00
h.	**GRAND TOTAL.....**	**36,230.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
315.30	SPY-1D T&E FAC ADDN	888 m2	3,300	10/98	09/00
	TOTAL		3,300		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 149

10. Mission Or Major Functions:

This Naval Surface Warfare Center (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 Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N45534	4. Project Title
AEGIS COMBAT SYSTEMS CENTER WALLOPS ISLAND, VIRGINIA	SPY-1D TEST AND EVALUATION FAC ADDITION

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0605896N	315.30	002	3,300

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
SPY-1D TEST AND EVALUATION FACILITY ADDI	M2	888	-	2,740
BUILDING	M2	888	3,020	(2,680)
TECHNICAL OPERATING MANUALS	LS	-	-	(40)
INFORMATION SYSTEMS	LS	-	-	(20)
SUPPORTING FACILITIES	LS	-	-	370
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(150)
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(50)
SITE IMPROVEMENTS	LS	-	-	(20)

SUBTOTAL	-	-	-	3,110
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	3,110
Supervision Inspection & Overhead (6.0%)	-	-	-	190

TOTAL REQUEST	-	-	-	3,300
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Four-story steel-framed building addition with a pile foundation, concrete floors, insulated metal panel exterior, heating/air conditioning, demineralized water system, raised computer flooring, elevator, fire protection and alarm systems, utilities, and site improvements.

11. Requirement: 888 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Constructs a four story deckhouse addition adjacent to the ashore AEGIS Combat System Center (ACSC) deckhouse facility to house a new generation AEGIS radar (SPY-1D) and associated equipment.

SPY-1D Test and Evaluation Facility Addition = 888 m2 = 9,558 Square Feet (New mission)

REQUIREMENT:

An adequate and properly configured, shore-based facility providing a

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N45534
AEGIS COMBAT SYSTEMS CENTER WALLOPS ISLAND, VIRGINIA

4. Project Title	7. Project Number
SPY-1D TEST AND EVALUATION FAC ADDITION	002

(...continued)

simulated ship-board environment for the next generation radar, which is adjacent to the Virginia Capes Operating Area (VACAPES OPAREA) for operational interaction with high-performance military aircraft targets, future AEGIS destroyers (DDG 91 and beyond), and other surface combatants. The new radar is scheduled for delivery to ACSC in May of 2001 and operational in October 2002 with first ship board installations scheduled in FY 03. Initial operating capability in October 2002 is critical in order to have an operational platform for engineering and performance testing adjacent to the existing combat system equipment already in-service at ACSC Wallops Island and in the adjacent off-shore operational areas.

CURRENT SITUATION:

The current facilities at Wallops Island ACSC can only support AEGIS training, lifetime support engineering, and in-service engineering of the AEGIS Combat System baselines 1 through 6. These six baselines contain over 30 unique variations with the SPY-1A and SPY-1B radars. Current SPY variants cannot be removed from the existing deckhouse because they are required to support ships in the fleet. The existing deckhouse cannot house the SPY-1D operations and training suite due to space constraints.

IMPACT IF NOT PROVIDED:

ACSC will not have the capability to provide the two basic functions of its mission: (1) operational training to new and replacement crews, and (2) integrated lifetime engineering and logistics support of the new SPY-1D combat system. This training comprises 90% of ACSC's mission. Inability to simulate problems being experienced in the fleet will severely hamper engineering of software solutions, which will need to be solved at sea and may cause ships systems to be down while underway. Unproven software will be tested on ships at sea; this situation will result in a reduction of fleet readiness due to the uncertainty of performance. In addition, equipment at a cost of $61 million will be delivered to ACSC and there will be no facility in which to install it.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N45534
AEGIS COMBAT SYSTEMS CENTER WALLOPS ISLAND, VIRGINIA

4. Project Title	7. Project Number
SPY-1D TEST AND EVALUATION FAC ADDITION	002

(...continued)

(1) Status:
- (A) Date Design Started..... 10/98
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 09/00
- (D) Percent Complete As Of September 1999..... 15%
- (E) Percent Complete As Of January 2000..... 15%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 170
- (B) All Other Design Costs..... 230
- (C) Total..... 400
- (D) Contract..... 200
- (E) In-House..... 200

(4) Contract Award..... 12/00

(5) Construction Start..... 01/01

(6) Construction Completion..... 07/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: CDR STEPHEN ECKEL Phone No: 540-653-8521

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251	4. Command	5. Area Constr Cost Index
NAVAL SHIPYARD PUGET SOUND BREMERTON, WASHINGTON	Naval Sea Systems Command	1.16

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	584	6,568	9,469	0	0	0	320	2,564	0	19,505
b. End FY 2006	493	5,847	10,015	0	0	0	320	2,564	0	19,239

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (1,543.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	106,448.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	54,000.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	48,429.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	88,165.00
g.	REMAINING DEFICIENCY.....	371,360.00
h.	**GRAND TOTAL.....**	**668,402.00**

8. Projects Requested In This Program:

	Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
	151.20	PIER REPL (PH I)	18,288 m2	38,000	12/98	04/01
*	831.15	OILY WASTEWATER COLLECTION	0 LS	6,600	01/99	05/01
	213.48	CHEMICAL METALLURGICAL LAB	2,907 m2	9,400	12/98	03/01

		TOTAL		54,000		

9. Future Projects:

a. Included In The Following Program (FY 2002):

151.20	PIER REPLACEMENT (PH II)	7,990 m3	23,587	
213.70	WATRFRT SERVICE SUPPT BLDG	5,710 m2	15,171	
* 831.15	INDUSTRY WAST TREATMT FAC	0 LS	9,671	

	TOTAL		48,429	

b. Major Planned Next Three Years:

721.11	BEQ	9,520 m2	32,779	
721.11	BEQ MODERNIZATION	0 LS	24,961	
213.52	PRODUCTION SHOP CNSLDTN	6,030 m2	19,497	
213.70	WATERFRONT SUPT FAC	11,054 m2	10,928	

	TOTAL		88,165	

c. Real Property Maintenance Backlog ($000): $ 118,351

10. Mission Or Major Functions:

Maintenance and overhaul of surface ships up to and including attack

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251	4. Command	5. Area Constr Cost Index
NAVAL SHIPYARD PUGET SOUND BREMERTON, WASHINGTON	Naval Sea Systems Command	1.16

(...continued)

carriers, and attack and fleet ballistic missile submarines. Logistic support provided includes conversion, overhaul, repair, alterations, and drydocking of surface ships and modern submarines. The yard also provides support for air and submarine warfare weapon systems. Homeport to aircraft carrier and other homeported ships.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 16,271

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251	4. Project Title
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON	PIER REPLACEMENT (INCREMENT I)

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0702096N	151.20	341	Auth 62,460 Appr 38,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PIER REPLACEMENT (INCREMENT I)	M2	18,288	-	34,850
PIER STRUCTURE	M2	18,288	1,900	(34,750)
TECHNICAL OPERATING MANUALS	LS	-	-	(100)
SUPPORTING FACILITIES	LS	-	-	23,860
CIVIL WORK	LS	-	-	(910)
MECHANICAL UTILITIES	LS	-	-	(3,340)
ELECTRICAL UTILITIES	LS	-	-	(5,090)
UPLAND MECHANICAL UTILITIES	LS	-	-	(4,920)
UPLAND ELECTRICAL UTILITIES	LS	-	-	(9,300)
DEMOLITION	LS	-	-	(300)

SUBTOTAL	-	-	-	58,710
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	58,710
Supervision Inspection & Overhead (6.0%)	-	-	-	3,750

SUBTOTAL	-	-	-	62,460
LESS PHASE II (FY02)	LS	-	-	-24,460

TOTAL REQUEST	-	-	-	38,000
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	300

10. Description of Proposed Construction

Single level concrete deck pier (45.72 m x 400 m) supported by concrete piles and concrete pile caps; 4160 VAC substation at the head of the pier and four 480 VAC substations in vaults below the deck; pier designed to support the lifting operation of two 140 ton mobile cranes and a uniform live load of 800 psf; utilities include 480 VAC, 4160 VAC electrical, steam/condensate return, compressed air, oily waste collection, storm drain collection, potable water, sanitary sewer, 200 pair telephone lines, cabling for fire alarm systems, fiber optic cabling for data systems, and cabling for cable TV systems; pier lighting, utility connection clusters, bollards, cleats, and a fendering system with cathodic protection; new upland primary electrical substation and other upland utility distribution capacity for services such as steam/condensate return, compressed air, and sanitary sewer services to support the new pier and other current loads

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON

4. Project Title	7. Project Number
PIER REPLACEMENT (INCREMENT I)	341

(...continued)
within the western area of the Shipyard; technical operating manuals; demolition of existing Pier D.

11. Requirement: 18,288 M2 Adequate: 0 M2 Substandard: 6,210 M2

PROJECT:
This project replaces the existing pier with a pier that will have the required structure and utilities capable of supporting all types of Navy ships and specifically a homeported nuclear aircraft carrier (CVN) and 4 homeported Fast Combat Support Ships (AOEs).

Pier Replacement = 18,288 m2 = 196,850 Square Feet (Current mission)

REQUIREMENT:

Adequate facilities are required to support the USS Carl Vinson (CVN 70). Adequate structural capacity is required to support Shipyard's berthing operations and mooring loads from two CVNs simultaneously. Replacing Pier D would enhance the flexibility of the Shipyard to moor a wide range of ships in the base support area as necessary to serve the Fleet. Major modifications are required to increase upland utility system capacity to meet requirements placed on them by the ships either in homeport status or availability status. Electrical supply is required to support a maximum of 3 CVNs at the west end of the Shipyard (both sides of new Pier D, one industrial pier, and one dry dock).

Puget Sound Naval Shipyard serves as homeport to one CVN, two CGNs, and four AOEs. In addition to this homeport loading, the Shipyard's forecast of annual ship loading in support of industrial work is: one carrier, one combatant or auxiliary surface ship, one submarine in overhaul and six submarine inactivations and/or disposals (recycling).

The CVN Drydocking Planned Incremental Availability(s) (DPIA) scheduled for FY02 require the Shipyard to provide a primary and a secondary homeport berth for the current loading of CVNs. The west side of Pier B is currently the primary CVN homeport berth, as well as a repair berth used for the completion of DPIAs. Pier B has served as the interim homeport for the USS Nimitz (CVN 68) while often doubling as an overhaul pier for CVNs completing a docking availability. The assignment of five CVNs to the westcoast requires Drydock 6/Pier B complex to become a dedicated repair DPIA pier.

CURRENT SITUATION:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON

4. Project Title	7. Project Number
PIER REPLACEMENT (INCREMENT I)	341

(...continued)

Pier D is currently the secondary CVN homeport berth. When Pier B becomes a repair pier, the west side of Pier D will become the primary homeport berth and the Shipyard will be left without a secondary homeport berth for the CVN.

The Shipyard presently has two substandard piers capable of mooring a CVN, Piers D and B, since neither pier complies with homeporting criteria. Their dimensions do not provide adequate turn-around space for vehicles (emergency vehicles and trucks included), limits pier traffic, and complicates operation of all weight handling equipment on the pier. Equipment and supply loading operations are severely restricted and require extended time periods. The current pier can only support one loading operation at a time. The narrow pier restricts fire and emergency vehicle access, resulting in potential safety problems. Structural capacity of the pier limits large vehicle traffic and severely limits operation of mobile cranes. Structural capacity to resist wind and mooring loads placed on the pier by CVNs is also marginal. Mooring bollards on the pier currently do not meet required load ratings. Utilities at Pier D are minimally adequate to support a homeported CVN. Utilities on the west end of the Shipyard, electrical service in particular, cannot meet demands when serving several ships moored at various piers. Operational restrictions are occasionally placed on ships to avoid exceeding system capacity. Major modifications are required to these systems to increase capacity to meet the requirements for ships using west end piers and facilities. Utility systems are either on the deck and interfere with operations or are under the deck and therefore are immersed in salt water and require frequent maintenance and replacement.

IMPACT IF NOT PROVIDED:

The Shipyard will fail to provide an adequate berth for a permanently homeported CVN. When Pier B becomes a dedicated repair pier, the west side of Pier D will become the primary CVN homeport berth and, without this project, no secondary berth would be available. Because of the limited number of CVN berths, there will be situations when the Shipyard will have to relocate a CVN during a DPIA which will cause the Shipyard to incur additional costs due to the additional production work to relocate the ship.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop

(...continued)

project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 09/99
- (C) Date Design Complete..... 04/01
- (D) Percent Complete As Of September 1999..... 35%
- (E) Percent Complete As Of January 2000..... 35%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 2500
- (B) All Other Design Costs..... 1800
- (C) Total..... 4300
- (D) Contract..... 4000
- (E) In-House..... 300

(4) Contract Award..... 11/00

(5) Construction Start..... 01/01

(6) Construction Completion..... 09/03

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
FOAM FILLED FENDERS & BROWS	2001	OPN	300

Activity POC: CAPT ALBERT VERHOFSTADT Phone No: (360) 476-2425

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251	4. Project Title
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON	OILY WASTEWATER COLLECTION

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0702096N	831.15	343	6,600

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
OILY WASTEWATER COLLECTION	LS	-	-	2,580
OILY WASTEWATER COLLECTION	LS	-	-	(2,580)
SUPPORTING FACILITIES	LS	-	-	3,650
ELECTRICAL UTILITIES	LS	-	-	(460)
MECHANICAL UTILITIES	LS	-	-	(620)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(810)
ENVIRONMENTAL MITIGATION	LS	-	-	(1,760)
SUBTOTAL	-	-	-	6,230
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	6,230
Supervision Inspection & Overhead (6.0%)	-	-	-	370
TOTAL REQUEST	-	-	-	6,600
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Permanent waterfront oily wastewater collection system to include under-pier and within drydock double-wall piping; manifold connecting units to existing semi-permanent skid mounted treatment units already in operation; foundations and permanent utilities to treatment units; foundation pads with curbs for the water receiving tanks; and, contaminated soils testing and removal.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:

Installs a new oily wastewater collection, separation, storage, and disposal system for Piers 3, 4, 5, and 6 and for Drydocks 1, 2, 3, 4, and 5. (Current mission)

REQUIREMENT:

An adequate and properly configured oily wastewater collection, separation, storage, and disposal system is required to support ships homeported or in overhaul at Puget Sound Naval Shipyard. The Shipyard serves as homeport to one nuclear aircraft carrier (CVN), two nuclear

(Continued On DD 1391C)

(...continued)

cruisers (CGN), and four fast combat support ships (AOE). The Shipyard also supports ships in overhaul; a typical complement is one carrier, one combatant or auxiliary surface ship, one submarine in overhaul, and six submarine inactivations and/or disposals (Recycling). In April 1991, Chief of Naval Operations directed that Waste Oil Rafts (DONUTs) be eliminated as soon as possible to eliminate potential Clean Water Act liability and enhance the environmental posture of the Navy. DONUTs were eliminated at Puget Sound Naval Shipyard in January 1997. A consequence of this action is increased costs, complexity, and risks associated with handling the additional volume of bilge water via hoses connected to skid mounted treatment plants, tanker trucks, and barges. The Clean Water Act regulates effluent discharges into the navigable waters of the United States. Title 40 of the Code of Federal Regulations, Section 112 establishes procedures, methods, and required equipment to prevent oil spills. The new piping system will comply with federal and state regulations and provide an efficient and environmentally enhanced means of transferring bilge and ballast water for treatment and disposal. This is a continuation of the work started under FY95 MCON P-240.

CURRENT SITUATION:

Ship bilge water is pumped to a ship waste oil barge (SWOB) positioned alongside the ship. Once full, the barge is moved to one of the oily water treatment systems where bilge water is off-loaded and processed. This complex sequence of events is costly and can result in spills. Spills can occur during vessel off-loading, barge transport, and transfer to the treatment system. With similar complexity and risks, tanker trucks, portable storage tanks, and temporary hose systems are also used to transport bilge water. The treated water is discharged to the sanitary sewer system and the reclaimed oil is recycled. The Shipyard has averaged three significant bilge water related spills each year. Each spill violates the Clean Water Act, resulting in reduced public confidence in the Navy and jeopardizes operational flexibility. Annual operating expenditures are high due in part to maintenance and replacement costs for the large inventory of hose and portable pumps required for existing operations. Current operations also require many personnel to monitor hoses and equipment during transfer operations to reduce the risk of spills.

IMPACT IF NOT PROVIDED:

Naval Shipyard Puget Sound will continue to use temporary hoses, barges, tanker trucks, and portable tanks for transporting these large quantities

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON

4. Project Title	7. Project Number
OILY WASTEWATER COLLECTION	343

(...continued)

of bilge water at a high cost with an inherent and unacceptable high risk of spills and leaks. The Shipyard would continue to experience significant spills per year and continue to incur high expenditures for maintenance and operations. Noncompliance with the Clean Water Act and Federal Regulations governing oil spill prevention could result in injunctions issued to the Shipyard, curtailing or halting critical work.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 01/99
- (B) Date Design 35% Complete..... 03/00
- (C) Date Design Complete..... 05/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 30%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... N/A
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 300
- (B) All Other Design Costs..... 350
- (C) Total..... 650
- (D) Contract..... 600
- (E) In-House..... 50

(4) Contract Award..... 10/00

(5) Construction Start..... 11/00

(6) Construction Completion..... 02/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON

4. Project Title	7. Project Number
OILY WASTEWATER COLLECTION	343

(...continued)

Activity POC: CAPT ALBERT VERHOFSTADT Phone No: (360) 476-2425

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251	4. Project Title
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON	CHEMICAL METALLURGICAL LABORATORY

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0702228N	213.48	416	9,400

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
CHEMICAL METALLURGICAL LABORATORY	M2	2,907	-	7,440
BUILDING RENOVATION	M2	2,907	1,831	(5,320)
SEISMIC STRUCTURAL UPGRADES AND REPAIRS	LS	-	-	(960)
BUILT-IN EQUIPMENT	LS	-	-	(790)
INFORMATION SYSTEMS	LS	-	-	(230)
TECHNICAL OPERATING MANUALS	LS	-	-	(140)
SUPPORTING FACILITIES	LS	-	-	1,430
ELECTRICAL UTILITIES	LS	-	-	(560)
MECHANICAL UTILITIES	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT	LS	-	-	(50)
DEMOLITION	LS	-	-	(680)

SUBTOTAL	-	-	-	8,870
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	8,870
Supervision Inspection & Overhead (6.0%)	-	-	-	530

TOTAL REQUEST	-	-	-	9,400
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Renovation, modernization and conversion of an existing historic building to a new Chemical and Metallurgical Analysis Facility including demolition of the north third of Building 59, seismic upgrade of the remaining portion of the building (foundation upgrade, roof membrane replacement, interior steel k-bracing, exterior brick repointing and mortar repair), upgrades for fire protection and other life safety issues, upgrade of electrical and other utilities to current code standards, installation of heating, ventilation, and air conditioning system (HVAC) to include special heating and ventilation modifications, installation of lab benches, sinks and special plumbing to support the laboratory functions and elevator repair and refurbishment; demolition of seven facilities; removal and disposal of any contaminated materials that may be encountered during rehabilitation and demolition; relocation and installation of plant and collateral equipment from the existing Chemical and Metallurgical buildings into the new facility; and technical operating manuals.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON

4. Project Title	7. Project Number
CHEMICAL METALLURGICAL LABORATORY	416

(...continued)

11. Requirement: 2,907 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT:

Provides an efficient Chemical and Metallurgical Analysis Facility capable of supporting shipyard production and general installation environmental compliance testing requirements through the rehabilitation and conversion of historic Building 59.

Chemical Metallurgical Laboratory = 2,907 m2 = 31,291 Square Feet

REQUIREMENT:

An adequate and efficiently configured chemical and metallurgical analysis facility is required to support the operation of ships stationed at Puget Sound Naval Shipyard. In support of the depot maintenance mission, the Shipyard needs to support overhaul, testing and recycling operations while assuring compliance with environmental laws and regulations. Puget Sound Naval Shipyard requires a Chemical and Metallurgical Analysis Facility to support multiple system requirements by providing the following analyses: Waterfront Chemistry, Metallurgical Testing, Nuclear Propulsion Plant Chemical Receipt Inspection Program, Production Support and Project Testing and Analysis, and compliance with federal, state and local environmental laws.

CURRENT SITUATION:

Puget Sound Naval Shipyard's Chemical and Metallurgical Analysis Facility is currently located within four buildings and four trailers. Building 371 was built in 1918 as a rooming house and restaurant and was purchased by the Shipyard in 1922. Building 453 was built prior to 1918 as a store building and was purchased by the Navy in 1938 and is connected to building 371 by a narrow walkway. Both facilities have had extensive modifications performed to adapt them for industrial use. Configuration of spaces within the existing buildings is not adequate to permit efficient use of space. The two multi-story buildings accommodate most of the laboratory functions, but the structural systems relationship to the circulation pattern of the building severely limit the options available for an efficient and safe layout within the buildings. The buildings currently housing the Shipyard's Analysis Facilities are old and not designed to survive a seismic event. Existing HVAC systems do not provide adequate ventilation or temperature controls for laboratory functions. Beyond documented safety violations, cross contamination from chemical

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON

4. Project Title	7. Project Number
CHEMICAL METALLURGICAL LABORATORY	416

(...continued)

analysis is affecting sample integrity. This cross contamination affects efficiency by causing periodic sample re-analysis because quality control requirements cannot be met. Lack of temperature and humidity controls causes periodic instrument failure which also affects sample results. Lack of adequate environmental controls results in numerous sample reports being flagged due to inability to meet test specifications. The facilities are not adequate to support laboratory operations. In addition, the Analysis Facility failed to be reaccredited with the American Industrial Hygiene Association (AIHA) due to problems with the building.

IMPACT IF NOT PROVIDED:

Continued use of obsolete, inadequate, seismically deficient facilities will result in dollars lost in rework, delays in producing the required analysis results, life safety hazards in the event of a significant earthquake (3 moderate earthquakes) and further potential losses of accreditation. Opportunity to save $1.1M per year in direct and indirect costs associated with the current inefficiencies will not be realized. These inefficiencies will adversely affect major inservice engineering support changes or lifecycle support, research and development projects and the emerging technologies.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 03/01
- (C) Date Design Complete..... 03/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 30%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... N/A
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N00251
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON

4. Project Title	7. Project Number
CHEMICAL METALLURGICAL LABORATORY	416

(...continued)

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 450
(B) All Other Design Costs..... 450
(C) Total..... 900
(D) Contract..... 850
(E) In-House..... 50

(4) Contract Award..... 10/00

(5) Construction Start..... 03/01

(6) Construction Completion..... 06/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: CAPT ALBERT VERHOFSTADT Phone No: (360) 476-2425

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63402	4. Command	5. Area Constr Cost Index
STRATEGIC WEAPONS FACILITY PACIFIC BREMERTON, WASHINGTON	Strategic Systems Project Office	1.16

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	13	108	173	0	0	0	0	0	0	294
b. End FY 2006	13	109	175	0	0	0	0	0	0	297

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	153,335.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	1,400.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	3,878.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	10,843.00
g.	REMAINING DEFICIENCY.....	4,950.00
h.	**GRAND TOTAL.....**	**174,406.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
152.10	EXPL HANDL WHARF MODS	0 LS	1,400	12/98	04/01
	TOTAL		1,400		

9. Future Projects:

a. Included In The Following Program (FY 2002):

932.20	UTILS & SITE IMPVS (PH II)	0 LS	3,878
	TOTAL		3,878

b. Major Planned Next Three Years:

421.72	MAGAZINE MODS	0 LS	603
212.77	MISSILE PARTS WAREHOUSE	0 LS	10,240
	TOTAL		10,843

c. Real Property Maintenance Backlog ($000): $ 2,650

10. Mission Or Major Functions:

Provide support on west coast for the operational TRIDENT system of submarines and long range missiles, including processing capability for assembly and disassembly of both explosive and non-explosive components of the TRIDENT II (D-5) missile.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63402	4. Project Title
STRATEGIC WEAPONS FACILITY PAC BREMERTON, WASHINGTON	EXPLOSIVES HANDLING WHARF MODIFICATIONS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0101221N	152.10	945	1,400

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
EXPLOSIVES HANDLING WHARF MODIFICATIONS	LS	-	-	1,320
SUBTOTAL	-	-	-	1,320
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	1,320
Supervision Inspection & Overhead (6.0%)	-	-	-	80
TOTAL REQUEST	-	-	-	1,400
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Modify approximately 186 m2 of the Explosive Handling Wharf deck by removing and replacing the existing asphaltic pavement and ballast where necessary, strengthening or replacing the deck panels, and adding concrete load bearing pads and missile erection bridge tie-downs. Modify existing service unit storage platform at upper level for storage of launch tube maintenance platform and davit, and replace guidance support equipment receptacles.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:

This project modifies the existing Explosives Handling Wharf at Strategic Weapons Facility Pacific (SWFPAC) to add the capability of outloading/offloading TRIDENT II (D5) missiles. (Current mission)

REQUIREMENT:

Adequate outloading/offloading facilities are required to support the Initial Operational Capability for TRIDENT II (D5) missile processing and test and storage capability at SWFPAC.

CURRENT SITUATION:

The existing Explosives Handling Wharf is not capable of supporting the Missile Erection Bridge required for outloading and offloading TRIDENT II (D5) missiles. The missile handling configuration of the D5 is different

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63402
STRATEGIC WEAPONS FACILITY PAC BREMERTON, WASHINGTON

4. Project Title	7. Project Number
EXPLOSIVES HANDLING WHARF MODIFICATIONS	945

(...continued)
from the C4 due to the increased size and weight of the D5 missile.

IMPACT IF NOT PROVIDED:

SWFPAC will not have the capability to handle TRIDENT II (D5) missiles at the Explosives Handling Wharf, and the planned Initial Operational Capability for the TRIDENT II (D5) missiles in June 2002 will not be achieved.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 01/00
- (C) Date Design Complete..... 04/01
- (D) Percent Complete As Of September 1999..... 5%
- (E) Percent Complete As Of January 2000..... 35%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... N/A
- (H) Energy study/life-cycle analysis performed..... N/A

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

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 88
- (B) All Other Design Costs..... 44
- (C) Total..... 132
- (D) Contract..... 118
- (E) In-House..... 14

(4) Contract Award..... 12/00

(5) Construction Start..... 04/01

(6) Construction Completion..... 02/02

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63402
STRATEGIC WEAPONS FACILITY PAC BREMERTON, WASHINGTON

4. Project Title	7. Project Number
EXPLOSIVES HANDLING WHARF MODIFICATIONS	945

(...continued)

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: Mr. M. Rivera Phone No: DSN 744-0933

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62588	4. Command	5. Area Constr Cost Index
NAVAL SUPPORT ACTIVITY NAPLES ITALY	Commander in Chief, U.S. Naval Forces	1.29

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	578	2,165	1,867	0	0	0	115	195	0	4,920
b. End FY 2006	626	2,401	1,870	0	0	0	115	195	0	5,207

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	145,046.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	71,650.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	15,000.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	73,055.00
h.	**GRAND TOTAL.....**	**304,751.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
721.11	BEQ	6,645 m2	15,000	08/99	09/00
	TOTAL		15,000		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 0

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

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62588	4. Command	5. Area Constr Cost Index
NAVAL SUPPORT ACTIVITY NAPLES ITALY	Commander in Chief, U.S. Naval Forces	1.29

(...continued)

Sixth Fleet flagship at Gaeta are also supported.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62588	4. Project Title
NAVAL SUPPORT ACTIVITY NAPLES, ITALY	BACHELOR ENLISTED QUARTERS

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204796N	721.11	201	15,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
BACHELOR ENLISTED QUARTERS	M2	6,645	-	12,880
BACHELOR ENLISTED QUARTERS	M2	5,251	1,708	(8,970)
LIBERTY CENTER	M2	613	1,481	(910)
EDUCATION CENTER	M2	781	1,411	(1,100)
FORCE PROTECTION	LS	-	-	(1,190)
BUILDING RENOVATIONS	LS	-	-	(510)
INFORMATION SYSTEMS	LS	-	-	(100)
TECHNICAL OPERATING MANUALS	LS	-	-	(100)
SUPPORTING FACILITIES	LS	-	-	1,200
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(460)
ELECTRICAL UTILITIES	LS	-	-	(240)
MECHANICAL UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(190)
DEMOLITION	LS	-	-	(200)

SUBTOTAL	-	-	-	14,080
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	14,080
Supervision Inspection & Overhead (6.5%)	-	-	-	920

TOTAL REQUEST	-	-	-	15,000
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Six-story Bachelor Enlisted Quarters (BEQ) with basement, pile foundation, reinforced concrete frame and walls, concrete floors, metal and built up roof. BEQ will provide 59 "2+0" configured modules, for 236 enlisted (E1 - E4s), consisting of two 2-sailor rooms, each with a semi-private bath, and will include lounge and recreational rooms, heads and laundries. The BEQ will be air conditioned, have emergency lighting, contain two passenger/freight elevators, and connect the cable television system to the existing BEQ system. Project will provide landscaping, irrigation, extending the arcade theme to the BQ's and provide comprehensive signage for the entire BEQ complex. Project will also construct new concrete frame and walls, and metal built-up roof on the second floor of the existing Navy Exchange Building for the Education Center and relocated

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62588
NAVAL SUPPORT ACTIVITY NAPLES, ITALY

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	201

(...continued)

Liberty Center. Facilities will be designed in accordance with the base Exterior Architectural Plan and the Capodichino Development Plan. They will have adequate utilities, be constructed to meet all Italian and U.S. building codes, including seismic criteria for Seismic Zone 3, fire and ventilation codes. Technical operating Media (dual language and electronic media) will be provided. Also included are force protection features for the new BEQ including specially designed windows, blast resistent southern wall, and structural integrity to prevent building collapse. Demolish Building 444 (BEQ-2, 198 m2) and relocate the Marine General Purpose Building (Building 447) mechanical yard from the south to the east side of the building.

Intended grade mix: 236 E1-E4; Maximum utilization: 236 E1-E4.

11. Requirement: 1,111 PN Adequate: 405 PN Substandard: 0 PN

PROJECT:

Constructs a new Bachelor Enlisted Quarters (BEQ) with 59 "2+0" modules for active duty enlisted personnel in the Naples area, as part of the Naples Improvement Initiative (NII).

Bachelor Enlisted Quarters = 6,645 m2 = 71,526 Square Feet
Bachelor Enlisted Quarters = 5,251m2 = 56,521Square Feet
Liberty Center = 613 m2 = 6,598 Square Feet
Education Center = 781 m2 = 8,407 Square Feet (Current mission)

REQUIREMENT:

Adequate housing is required for enlisted personnel who perform operations at Naval Support Activity, Naples, which is the command center for all naval operations in the Mediterranean. This facility is an important increment in Commander in Chief, U. S. Naval Forces, Europe's (CINCUSNAVEUR) goal to house all E1-E4's on base and is required as part of the relocation to overcome current problems of inadequate contingency readiness, lack of force protection, poor quality of the existing leased structures, and seismic vulnerability. This facility will provide adequate housing for enlisted personnel in the Naples area, allowing them to move into seismically safe on-base housing incorporating force protection features. The project will also provide educational space for the military to further their careers and education. Additionally, the project constructs a recreation facility where sailors can relax in a non-alcohol environment. This facility is a vital element of the Naples Improvement Initiative (NII).

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62588
NAVAL SUPPORT ACTIVITY NAPLES, ITALY

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	201

(...continued)

CURRENT SITUATION:

The existing BEQs are located in two noncontiguous locations: Capodichino, and Pozzouli. There are currently insufficient quarters in the Naples area for the 1,111 enlisted personnel. Enlisted personnel currently stay in local hotels while waiting for a BEQ room. The 152 units located in Pozzouli are classified "inadequate." They are seismically unsafe, do not meet current force protection standards, and do not meet current habitability standards. Personnel in these existing inadequate bachelor quarters do not live and work at the same compound. Therefore, they are either bused, or they drive to work, requiring long commutes. This reduces readiness in the event of an emergency and reduces productivity. The majority of functions at NSA Naples have been relocated or will relocate to the Capodichino site. The Pozzouli facility does not meet force protection standards. Since it is not located on a secure base, it could be the target of a terrorist attack and is very vulnerable due to its construction. The Pozzouli facilities are subject to collapse during an earthquake. The facilities are subject to an evacuation order by the Government of Italy under existing seismic contingency plans. The only non-alcoholic recreation facility available to single sailors on Capodichino is a converted storage room in the basement of Building 443. The educational facilities at Capodichino are insufficient to handle the required education of the military living and working at this site. The continuing education facilities in the Naples area are insufficient to administer an adequate and high quality program.

IMPACT IF NOT PROVIDED:

Without this project, the existing facilities will continue to be vulnerable to terrorist attack and collapse in an earthquake. High and rising maintenance and repair costs will continue to be required in order to keep the existing structures in useable condition. Man-hours will continue to be wasted traveling between BEQ and duty station. High Temporary Living Allowance (TLA) and Overseas Housing Allowance (OHA) costs associated with insufficient berthing space will continue to burden dwindling resources. This will continue to produce lower productivity and morale due to separation from support functions, including recreation facilities located at Capodichino, and reduced quality and availability of continuing education. The inadequate and insufficient recreation and education facilities do not allow single sailors access to the needed educational opportunities and the non-alcoholic recreation that the Navy encourages.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62588
NAVAL SUPPORT ACTIVITY NAPLES, ITALY

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS	201

(...continued)

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 08/99
- (B) Date Design 35% Complete..... 01/00
- (C) Date Design Complete..... 09/00
- (D) Percent Complete As Of September 1999..... 10%
- (E) Percent Complete As Of January 2000..... 35%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: Yes
- (B) Where Design Was Most Recently Used: SOUDA BAY

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 1110
- (B) All Other Design Costs..... 535
- (C) Total..... 1645
- (D) Contract..... 1475
- (E) In-House..... 170

(4) Contract Award..... 12/00

(5) Construction Start..... 01/01

(6) Construction Completion..... 12/02

B. Equipment associated with this project which will be provided from other appropriations: NONE.

C. FY 1999 Unacccompanied Housing Real Property Maint Conducted ($000) 250
D. FY 2000 Unacccompanied Housing Real Property Maint Conducted ($000) 275
E. Future Unacccompanied Housing Real Property Maint Requirements ($000) 290
Activity POC: CDR RICHARD MARRS Phone No: 011-39-081-568-

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62995	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION SIGONELLA ITALY	Commander in Chief, U.S. Naval Forces	1.32

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	239	2,144	1,555	0	0	0	106	463	0	4,507
b. End FY 2006	281	2,424	1,556	0	0	0	106	463	0	4,830

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (2.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	271,534.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	32,029.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	90,357.00
g.	REMAINING DEFICIENCY.....	217,049.00
h.	**GRAND TOTAL.....**	**610,969.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
610.10	COMMUNITY BUILDING	0 LS	32,029	02/99	02/01
	TOTAL		32,029		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

740.43	QOL SUPPORT II	8,750 m2	23,550
219.10	BASE OPS SUPPORT I	21,769 m2	32,970
721.11	BEQ (1+1 ONLY)	12,540 m2	33,837
	TOTAL		90,357

c. Real Property Maintenance Backlog ($000): $ 62,200

10. Mission Or Major Functions:

Navy's major mid-Mediterranean shore installation used for logistic support of the Sixth Fleet and as a base of operations for deployed, land-based ASW aircraft. Navy intra-theatre airlift squadron also assigned, with carrier on-board airlift mission. Support transient, carrier-based tactical aircraft as required. Presently supports Military Airlift Command (MAC) cargo flights and MAC passenger flights from the U.S. Provides air logistics interface with nearby Augusta Bay NATO fuel and ammunition replenishment pier and depot. Supports HC-4 helicopter combat squadron and

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62995	4. Command	5. Area Constr Cost Index
NAVAL AIR STATION SIGONELLA ITALY	Commander in Chief, U.S. Naval Forces	1.32

(...continued)

LAMPS MK III Helicopter Squadron.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62995	4. Project Title
NAVAL AIR STATION SIGONELLA, ITALY	COMMUNITY FACILITIES

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204696N	740.88	620	Auth 32,969 Appr 32,029

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
COMMUNITY FACILITIES	LS	-	-	18,530
COMMUNITY BUILDING	M2	3,216	1,378	(4,430)
ADMINISTRATION BUILDING	M2	2,760	1,292	(3,570)
ENLISTED DINING FACILITY/CLUB	M2	2,528	2,221	(5,610)
CHAPEL/RELIGIOUS EDUCATION BUILDING	M2	1,666	1,711	(2,850)
SECURITY BUILDING/TELEPHONE EXCHANGE	M2	381	1,677	(640)
INTERIM CHILD DEVELOPMENT CENTER	LS	-	-	(170)
GATEHOUSES	m2	12	2,750	(30)
BUILT-IN EQUIPMENT	LS	-	-	(210)
INFORMATION SYSTEMS	LS	-	-	(720)
TECHNICAL OPERATING MANUALS	LS	-	-	(300)
SUPPORTING FACILITIES	LS	-	-	12,430
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(1,220)
ELECTRICAL UTILITIES	LS	-	-	(2,360)
MECHANICAL UTILITIES	LS	-	-	(1,640)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(2,300)
DEMOLITION	LS	-	-	(2,950)
WATER STORAGE TANK/OTHER	LS	-	-	(1,960)

SUBTOTAL	-	-	-	30,960
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	30,960
Supervision Inspection & Overhead (6.5%)	-	-	-	2,009

SUBTOTAL	-	-	-	32,969
AMT FUNDED W/ PRIOR YR UNOBLIGATED BALANCE	LS	-	-	-940

TOTAL REQUEST	-	-	-	32,029
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

This project is the second of four proposed phases of a recapitalization Plan for NAS I (personnel support area) at U.S. Naval Air Station, Sigonella. Phase one is FY99 P-742, Navy Exchange (nonapproriated funded), Phase three will provide a Morale, Welfare and Recreation Center and a Child Care Center, Phase four will provide a Bachelor Enlisted

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62995
NAVAL AIR STATION SIGONELLA, ITALY

4. Project Title	7. Project Number
COMMUNITY FACILITIES	620

(...continued)

Quarters, Lodge and School Expansion. This project will construct five separate and usable facilities for Quality of Life Support; a chapel/religious education building, a community building, an administration building, an enlisted dining facility, and a security facility including two gate houses. The existing child development center will be relocated. All buildings, two stories or more, will be designed to handle an additional story for future expansion if necessary. The community and administration buildings will be three stories, chapel/religious education facility, enlisted dining facility/club, two stories, and a security building and gate houses one story (these two facilities will be hardened as per force protection criteria). All facilities will be handicapped accessible; two stories and more will be provided with elevators. These facilities (except gate houses) will be concrete and/or steel frame buildings with insulated metal panels, concrete foundation and structural floor, clay tile pitched roof on insulated metal decking and steel truss. The facilities will be heated and cooled, and provided with fire protection including sprinklers, information systems, alarm and detection system and connected to the base wide utility system. New base-wide utility distribution systems will be provided as well as some new roadways, parking, a third well for water requirements, technical operating manuals, paving and site improvements. Construction to seismic zone four. Demolition of 33 buildings and 3 Water Storage Tanks is included.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:

This project is the second of a four phase development for the recapitalization plan for NAS I (personnel support area) at U.S. Naval Air Station, Sigonella, Sicily and constructs seven Quality of Life support facilities as part of the overall recapitalization plan for NAS I. (Current mission)

REQUIREMENT:

Adequate and efficiently configured facilities are required to provide and develop a systematic, methodical and executable program for the recapitalization of facilities at NAS I. This project will reconfigure NAS I to significantly enhance functional efficiency and the Quality of Life environment as well as provide for some force protection, safety, and fire protection deficiencies; demolish and/or replace all low equity, obsolete, inefficient, high maintenance and repair (BMAR) facilities and structures; reclaim and optimize use of scarce and wasted real estate,

(...continued)

replace deteriorated, energy inefficient utility systems; and create expansion opportunities associated with future mission changes and expansion/consolidation. U.S. Naval Air Station, Sigonella, considered the "Hub Of the Med", provides the prime logistic support for Naval Operations (both U.S. and NATO) in the Mediterranean. It is the host activity for several commands and mission support in the region. Existing facilities are not constructed to seismic criteria or fire protection criteria. In addition, energy efficient controlled facilities are required to reduce output in the near future. Project will eliminate life safety problems between pedestrian and vehicle traffic throughout the base.

CURRENT SITUATION:

Currently, NAS I is dense with dispersed facilities which allows for no available land for expansion. Since NAS Sigonella is the primary core base for fleet logistics and airfield operations, it is actively being considered to become a receiver site for functions from other activities as proposed in a theater realignment plan for the Mediterranean. NAS I is the primary personnel support area for Sigonella. Therefore, a recapitalization plan for this area provides for the consolidation of various facilities to significantly enhance functional efficiency and the Quality of Life environment in support of approximately 8,500 people. The majority of the existing facilities are deteriorated, inefficient, high maintenance cost, and dysfunctional from the uses they were originally built for. These facilities are deficient in seismic criteria, fire protection and handicap accessibility. In addition, most of the older facilities were not constructed to seismic criteria and therefore would not withstand minimum seismic activity. This project will allow for the recapitalization for optimum use of scarce and wasted real estate. It will also create expansion opportunities associated with future mission changes, as well as provide for energy-efficient controlled facilities.

IMPACT IF NOT PROVIDED:

The recapitalization plan of NAS I will be jeopardized, as this project is the second phase of a four phase development of the personnel support area at NAS Sigonella. Continued use of existing facilities which are deteriorated, inefficient, high BMAR will prohibit improvement of Quality of Life and negatively affect expansion/consolidation possibilities.

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N62995
NAVAL AIR STATION SIGONELLA, ITALY

4. Project Title	7. Project Number
COMMUNITY FACILITIES	620

(...continued)

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 02/99
- (B) Date Design 35% Complete..... 08/99
- (C) Date Design Complete..... 02/01
- (D) Percent Complete As Of September 1999..... 35%
- (E) Percent Complete As Of January 2000..... 95%
- (F) Type of Design Contract..... Design/Bid/Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... No

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 2070
- (B) All Other Design Costs..... 2640
- (C) Total..... 4710
- (D) Contract..... 4140
- (E) In-House..... 570

(4) Contract Award..... 06/01

(5) Construction Start..... 07/01

(6) Construction Completion..... 08/03

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: CAPT MARK SAMUELS Phone No: 39-095-86-5771

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63005	4. Command	5. Area Constr Cost Index
ADMIN SUPPORT UNIT SOUTHWEST ASIA	Chief of Naval Operations	1.46

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 1/20/00	155	870	167	0	0	0	136	464	0	1,792
b. End FY 2006	175	898	157	0	0	0	136	464	0	1,830

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	285.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	19,400.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	8,779.00
g.	REMAINING DEFICIENCY.....	94,570.00
h.	**GRAND TOTAL.....**	**123,034.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
131.15	OPERATIONS CENTER	5,216 m2	19,400	05/99	03/00
	TOTAL		19,400		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

740.09	INSTALLATION SVC SUPT CTR	4,290 m2	8,779
	TOTAL		8,779

c. Real Property Maintenance Backlog ($000): $ 4,200

10. Mission Or Major Functions:

This unit is under the Commander, U. S. Naval Forces Central Command (COMUSNAVCENT) who provides overall command and operational control of naval forces assigned to the Commander in Chief U. S. Central Command (USCINCCENT) and coordinates with naval forces operating in support of USCINCCENT's naval component. Its mission is to maintain and operate facilities and to provide support for visiting units of the operating forces, Department of Defense Dependent School, and to personnel, including dependents, from commands and U.S. Department of Defense activities in the Bahrain area. Also responsible for operating and maintaining a communications facility to support the Defense Communication System and Fleet requirements in the Persian Gulf to

(Continued On DD 1390C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63005	4. Command	5. Area Constr Cost Index
ADMIN SUPPORT UNIT SOUTHWEST ASIA	Chief of Naval Operations	1.46

(...continued)

include a message center.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63005	4. Project Title
NAVAL ADMIN SUPPORT UNIT SOUTHWEST ASIA	OPERATIONS CENTER

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0205096N	131.15	904	19,400

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
OPERATIONS CENTER	m2	5,216	-	15,380
OPERATIONS CONTROL CENTER	m2	5,216	2,910	(15,180)
INFORMATION SYSTEMS	LS	-	-	(100)
TECHNICAL OPERATING MANUALS	LS	-	-	(100)
SUPPORTING FACILITIES	LS	-	-	2,840
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(950)
UTILITIES	LS	-	-	(1,090)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(700)
DEMOLITION	LS	-	-	(100)

SUBTOTAL	-	-	-	18,220
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	18,220
Supervision Inspection & Overhead (6.5%)	-	-	-	1,180

TOTAL REQUEST	-	-	-	19,400
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Construct a multi-story, semi-hardened facility to house a communications center; pile foundations with concrete structure, floors and roof; roof will be designed with dedicated penetrations to support various antenna systems; ventilation and air conditioning system, hot and cold domestic water, sanitary fixtures, electric service and distribution equipment, interior lighting, telephone, fire alarm, and sprinkler system. Sensitive Compartmented Information System type construction will be utilized, along with raised flooring, Intrusion Detection System and entry control systems, grounding, emergency generators, and an Uninterruptible Power Supply System. Project includes parking, roads, exterior landscaping, and architecture to match the local area. Demolition of paving.

11. Requirement: 5,216 m2 Adequate: 0 m2 Substandard: 0 m2

PROJECT:

This project provides the Communications portion of the Operations Control Center for secure command and control for U.S. Naval Forces Central Command (COMUSNAVCENT), and the US Fifth Fleet (COMFIFTHFLT).

(Continued On DD 1391C)

(...continued)

Operations Center (Phase II) = 5,216 m2 = 56,145 Square Feet (Current mission)

REQUIREMENT:

An adequate and properly configured facility is required to support forward deployed COMUSNAVCENT staff, the Navy component commander of US Central Command, and Commander, U.S. Fifth Fleet. This includes the need for proper communications support for COMUSNAVCENT to exercise operational control of all Naval forces in the region and act as Commander Joint Task Force for all joint and combined operational exercises. The COMUSNAVCENT staff of about 350 people are tasked with providing logistics, intelligence, communications, legal, medical and administrative support for the Navy forces under their area of responsibility.

CURRENT SITUATION:

COMUSNAVCENT moved ashore to austere temporary facilities in 1992 with the departure of the flag ship USS LaSalle from the Persian Gulf region, after Operation Desert Shield/Desert Storm. Personnel (350 people) and equipment are scattered in approximately 25 temporary trailers, which do not provide adequate security for personnel, and do not provide adequate security for communications with Naval forces operating throughout the region, including the Middle East and Persian Gulf areas. The trailers provide only about one sixth of the space required to properly conduct the mission. Some of the trailers are located less than the required 400 foot anti-terrorist setback from the perimeter fence. The decentralization and lack of properly-configured facilities results in inefficiencies. The temporary facilities are deteriorating and most are beyond economic repair. Space is not available in the existing makeshift facilities for the additional equipment required to enable the OPCON Center to conduct peacetime missions effectively.

IMPACT IF NOT PROVIDED:

Without this project, interception of communications could impact the security of U.S. forces operating throughout the Central Command Area, including the Middle East and the Persian Gulf. Also, terrorist activities will continue to be a threat to personnel working in trailers instead of the proposed facility with semi-hardened construction and a four hundred foot setback from the perimeter fence. COMUSNAVCENT will continue to operate out of temporary trailers, with insufficient power,

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N63005
NAVAL ADMIN SUPPORT UNIT SOUTHWEST ASIA

4. Project Title	7. Project Number
OPERATIONS CENTER	904

(...continued)

space, security, and communications to properly manage the myriad of operations taking place in its area of responsibility. Resources and time will continue to be required to compensate for the lack of suitable facilities to accommodate this forward deployed command.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:

(A) Date Design Started	05/99
(B) Date Design 35% Complete	09/99
(C) Date Design Complete	03/00
(D) Percent Complete As Of September 1999	35%
(E) Percent Complete As Of January 2000	60%
(F) Type of Design Contract	Design/Bid/Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/life-cycle analysis performed	Yes

(2) Basis:

(A) Standard or Definitive Design: No

(B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):

(A) Production of Plans and Specifications	1200
(B) All Other Design Costs	300
(C) Total	1500
(D) Contract	1300
(E) In-House	200

(4) Contract Award	11/00
(5) Construction Start	12/00
(6) Construction Completion	05/03

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: LT THOMAS SCHEUERMANN Phone No: 011-973-724-450

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N65160	4. Command	5. Area Constr Cost Index
NORTH ATLANTIC TREATY ORGANIZATION NORFOLK, VIRGINIA	Chief of Naval Operations	0

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of	0	0	0	0	0	0	0	0	0	0
b. End FY 2006	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	0.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	142.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	1,100.00
h.	**GRAND TOTAL.....**	**1,242.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
610.10	HOST NATION INFRASTR SUPP	0 LS	142		

	TOTAL		142		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 0

10. Mission Or Major Functions:

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N65160	4. Project Title
VARIOUS LOCATIONS	HOST NATION INFRASTRUCTURE

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0901212N	610.10	201	142

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
HOST NATION INFRASTRUCTURE	LS	-	-	140
HOST NATION INFRASTRUCTURE	LS	-	-	(140)
SUPPORTING FACILITIES		-	-	-
SUBTOTAL	-	-	-	140
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	140
Supervision Inspection & Overhead (0.0%)	-	-	-	2
TOTAL REQUEST	-	-	-	142
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

The host nation support required varies for each individual NATO project. These funds will be used to cover non-NATO eligible expenses such as host nation costs, life safety, functional utility/livability, energy, administrative expenses, design support, joint formal acceptance inspection and audit, currency fluctuation losses, and restoration floor.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:

Execute role as host nation and construction agent for NATO Infrastructure projects in CONUS, Iceland and Bermuda, in accordance with DoD Directive.

REQUIREMENT:

The Host Nation Infrastructure Support (HNIS) program provides a source of U.S. funds for each NATO-funded project to pay host nation costs. This authority is not used to increase the scope of a facility for U.S. functions, such work is included through conjunctive funding in separate MILCON projects.

CURRENT SITUATION:

Navy is the construction agent for NATO Infrastructure projects at locations where the United States is host nation. HNIS responsibilities

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N65160
VARIOUS LOCATIONS

4. Project Title	7. Project Number
HOST NATION INFRASTRUCTURE	201

(...continued)

involve funding certain program costs, such as, land acquisition, source utilities, roads and parking, administrative expenses, design support, joint formal acceptance inspections (JFAI) and audits, currency fluctuation losses, and restoration floor. NATO eligibility criteria stipulates only Minimum Military Requirement (MMR) for wartime occupancy and does not include peacetime related features such as fire protection or energy conservation. This request is based on approved NATO Infrastructure projects.

IMPACT IF NOT PROVIDED:

Timely U.S. funding for the work will not be possible. Delays in executing these projects for lack of HNIS funding will deprive operating units of sorely needed facilities and may be a source of embarrassment for the U.S.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started.....
- (B) Date Design 35% Complete.....
- (C) Date Design Complete.....
- (D) Percent Complete As Of September 1999..... 100%
- (E) Percent Complete As Of January 2000..... 100%
- (F) Type of Design Contract..... N/A
- (G) Parametric Estimate used to develop cost..... N/A
- (H) Energy study/life-cycle analysis performed..... N/A

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 0
- (B) All Other Design Costs..... 0
- (C) Total..... 0
- (D) Contract..... 0
- (E) In-House..... 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N65160
VARIOUS LOCATIONS

4. Project Title	7. Project Number
HOST NATION INFRASTRUCTURE	201

(...continued)

(4) Contract Award.....

(5) Construction Start.....

(6) Construction Completion.....

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: Phone No:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: NC1002	4. Command	5. Area Constr Cost Index
OTHER SHORE EST. WASHINGTON D C, DIST OF COLUMBIA	Chief of Naval Operations	0.88

6. Personnel Strength	Permanent			Students			Supported			
	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Officer	Enlisted	Civilian	Total
a. As Of 9/5/99	0	0	0	0	0	0	0	0	0	0
b. End FY 2006	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE (0.00)	
b.	INVENTORY TOTAL AS OF 05 Sep 1999.....	0.00
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0.00
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM.....	11,500.00
e.	AUTHORIZATION INCLUDED IN THE FOLLOWING PROGRAM.....	0.00
f.	PLANNED IN THE NEXT THREE PROGRAM YEARS.....	0.00
g.	REMAINING DEFICIENCY.....	54,051.00
h.	**GRAND TOTAL.....**	**65,551.00**

8. Projects Requested In This Program:

Catagory Code	Project Title	Scope	Cost ($000)	Design Status Start	Complete
721.11	BEQ AND DINING FACILITY	4,415 m2	11,500	12/98	10/01
	TOTAL		11,500		

9. Future Projects:

a. Included In The Following Program (FY 2002):

None

b. Major Planned Next Three Years:

None

c. Real Property Maintenance Backlog ($000): $ 0

10. Mission Or Major Functions:

Logistic and maintenance support to Naval support units as assigned.

11. Outstanding Pollution And Safty Deficiensies ($000):

a. Pollution Abatement (*): $ 0

b. Occupational Safty And Health (OSH) (#): $ 0

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: NC1002	4. Project Title
VARIOUS LOCATIONS	BACHELOR ENLISTED QUARTERS & DINING FAC

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0204996N	721.11	608	11,500

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
BACHELOR ENLISTED QUARTERS & DINING FAC	M2	4,415	-	8,800
BACHELOR ENLISTED QUARTERS	M2	3,740	1,425	(5,330)
DINING FACILITY	M2	675	2,330	(1,570)
TECHNICAL OPERATING MANUALS	LS	-	-	(70)
BUILT IN EQUIPMENT	LS	-	-	(80)
INFORMATION SYSTEMS	LS	-	-	(50)
SPECIAL MISSION REQUIREMENTS	LS	-	-	(1,700)
SUPPORTING FACILITIES	LS	-	-	2,050
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(70)
ELECTRICAL UTILITIES	LS	-	-	(130)
MECHANICAL UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(1,400)
DEMOLITION	LS	-	-	(300)

SUBTOTAL	-	-	-	10,850
Contingency (0.0%)	-	-	-	-

TOTAL CONTRACT COST	-	-	-	10,850
Supervision Inspection & Overhead (6.0%)	-	-	-	650

TOTAL REQUEST	-	-	-	11,500
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Two-story wood-framed building on concrete slab with double oak-slab siding, cedar shingled roof, and other exterior finishes which comply with the Base Exterior Architectural Plan; 44 "2+0" standard modules consisting of two 2-sailor rooms, each with a semi-private bath, and support areas; building circulation space; mechanical and electrical distribution systems; fire protection systems; parking; landscaping; demolition of the original barracks; special construction features includes rock excavation; special mission requirements include sound attenuation, anti-terrorism design (REACT Force room), special security measures, special scheduling and extended construction duration, limited bid environment, special exterior finishes, and special cleanup.
Intended grade mix: 106 E1-E4; 33 E5-E9. Total 139
Maximum utilization: 176 E1-E4.

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: NC1002
VARIOUS LOCATIONS

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS & DINING FAC	608

(...continued)

11. Requirement: 139 PN Adequate: 0 PN Substandard: 0 PN

PROJECT:
Provides a replacement Bachelor Enlisted Quarters and a new Enlisted Dining Facility.

Bachelor Enlisted Quarters/Dining Facility = 4,415 m2 = 47,523 Square Feet
Dining Facility = 3,740 m2 = 40,257 Square Feet
Technical Operating Manual = 675 m2 = 7,266 Square Feet (Current mission)

REQUIREMENT:

Rapid response by security personnel is critical to the Command's mission performance. Berthing must remain on station due to mission sensitivity and national operational security. The facility must include additional special security features including anti-terrorism design, sound attenuation and special security measures. Adequate housing is required for E1-E4 and E5-E9 personnel assigned to the Command. The Command is staffed principally by junior personnel who are required to live on the base to be available for rapid operational response on the base.

CURRENT SITUATION:

The existing wooden facility was built in 1958 and is at the end of its economic life. The plumbing is badly corroded, is continually backing up and is failing. The electrical wiring and circuit breakers are inadequate to meet current day requirements and do not meet code. Heating, ventilation and air conditioning systems are mismatched and zoned improperly. The building is a fire safety hazard because multiple layers of concealed, abandoned ceilings exist, creating dead spaces where fire can spread rapidly and widely undetected, endangering the occupants of the building. There is a continuous mildew and termite problem due to poor ventilation, resulting in poor living conditions and poor morale. The building is overcrowded, with two to four personnel occupying a space where normally one would, according to current standards, and there is not enough storage for required specialized security gear. Gang heads are in use, violating current standards for this grade level. Annual maintenance of this facility is in excess of $400,000 per year, and uses up most of the maintenance budget for the entire activity. The current infrastructure is not large enough to be rehabilitated to comply with current bachelor quarters standards. No other facilities exist on base, and personnel must be berthed on base. No other site or alternative is

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: NC1002
VARIOUS LOCATIONS

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS & DINING FAC	608

(...continued)
available to the Command.

IMPACT IF NOT PROVIDED:

Enlisted personnel will continue to live in unsafe, deteriorating conditions that do not meet life/safety codes, building codes, or special security features. Inadequate living conditions will adversely affect the morale of all the BEQ residents, reducing the operational ability of personnel to support the Command's highly sensitive mission. Additionally, the increased maintenance and operating fiscal requirements for this aging facility will continue to use up a majority of the Command's maintenance and repair budget. This severely restricts the Command from efficiently supporting other station facility requirements.

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 12/98
- (B) Date Design 35% Complete..... 02/00
- (C) Date Design Complete..... 10/01
- (D) Percent Complete As Of September 1999..... 3%
- (E) Percent Complete As Of January 2000..... 30%
- (F) Type of Design Contract..... Design Build
- (G) Parametric Estimate used to develop cost..... Yes
- (H) Energy study/life-cycle analysis performed..... Yes

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 700
- (B) All Other Design Costs..... 350
- (C) Total..... 1050
- (D) Contract..... 900
- (E) In-House..... 150

(4) Contract Award..... 03/01

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: NC1002
VARIOUS LOCATIONS

4. Project Title	7. Project Number
BACHELOR ENLISTED QUARTERS & DINING FAC	608

(...continued)

(5) Construction Start..... 05/01

(6) Construction Completion..... 05/03

B. Equipment associated with this project which will be provided from other appropriations: NONE.

C. FY 1999 Unacccompanied Housing Real Property Maint Conducted ($000) 400
D. FY 2000 Unacccompanied Housing Real Property Maint Conducted ($000) 400
E. Future Unacccompanied Housing Real Property Maint Requirements ($000) 400
Activity POC: LT CHRIS KURGAN Phone No: (301) 271-1479

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N64482	4. Project Title
NAVAL AND MARINE CORPS INSTALLATIONS VARIOUS LOCATIONS	PLANNING AND DESIGN

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0901211N	010.00	201	63,335

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PLANNING AND DESIGN	LS	-	-	63,330
SUBTOTAL	-	-	-	63,330
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	63,330
Supervision Inspection & Overhead (0.0%)	-	-	-	5
TOTAL REQUEST	-	-	-	63,335
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

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 foundation exploration, will be undertaken as necessary.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:

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. These costs for architectural and engineering services and construction design are not provided for in the construction project cost estimates.

REQUIREMENT:

CURRENT SITUATION:

IMPACT IF NOT PROVIDED:

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N64482
NAVAL AND MARINE CORPS INSTALLATIONS VARIOUS LOCATIONS

4. Project Title	7. Project Number
PLANNING AND DESIGN	201

(...continued)

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
- (A) Date Design Started..... 01/00
- (B) Date Design 35% Complete..... 01/00
- (C) Date Design Complete..... 01/00
- (D) Percent Complete As Of September 1999..... 0%
- (E) Percent Complete As Of January 2000..... 0%
- (F) Type of Design Contract.....
- (G) Parametric Estimate used to develop cost..... N/A
- (H) Energy study/life-cycle analysis performed..... N/A

(2) Basis:
- (A) Standard or Definitive Design: No
- (B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
- (A) Production of Plans and Specifications..... 0
- (B) All Other Design Costs..... 0
- (C) Total..... 0
- (D) Contract..... 0
- (E) In-House..... 0

(4) Contract Award.....

(5) Construction Start..... 01/00

(6) Construction Completion..... 01/00

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: Phone No:

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N64481	4. Project Title
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS	UNSPECIFIED MINOR CONSTRUCTION

5. Program Element	6. Catagory Code	7. Project Number	8. Project Cost
0901211N	020.00	201	7,659

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
UNSPECIFIED MINOR CONSTRUCTION	LS	-	-	7,650
SUBTOTAL	-	-	-	7,650
Contingency (0.0%)	-	-	-	-
TOTAL CONTRACT COST	-	-	-	7,650
Supervision Inspection & Overhead (0.0%)	-	-	-	9
TOTAL REQUEST	-	-	-	7,659
EQUIPMENT FROM OTHER APPROPRIATIONS		- -	(NON-ADD)	-

10. Description of Proposed Construction

Projects authorized by Title 10 USC 2805 not otherwise authorized by law having an approved cost of $1,500,000 or less, including construction, alteration, or conversion of permanent or temporary facilities. Projects intended solely to correct a deficiency that is life-threatening, health-threatening, or safety-threatening, may have an approved cost equal to or less than $3,000,000. Total request includes funds for supervision, inspection, and overhead.

11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS

PROJECT:

Title 10 USC 2805 provides authority to the Secretary of Defense and the Secretaries of the Military Departments to acquire, construct, extend, alter or install permanent facilities having an approved cost of $1,500,000 or less not otherwise authorized by law. Included are those items required for which a need cannot reasonably be foreseen nor justified in time to be included in an annual military construction program, but are so urgently required that financing cannot be deferred until legislation in support of a new program is enacted.

REQUIREMENT:

CURRENT SITUATION:

(Continued On DD 1391C)

1. Component	FY 2001 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		2/14/00

3. Installation and Location/UIC: N64481
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. Project Title	7. Project Number
UNSPECIFIED MINOR CONSTRUCTION	201

(...continued)
IMPACT IF NOT PROVIDED:

12. Supplemental Data:

A. Estimated Design Data: (Parametric estimates have been used to develop project costs. Project design conforms to Part II of Military Handbook 1190, Facility Planning and Design guide)

(1) Status:
(A) Date Design Started..... 01/00
(B) Date Design 35% Complete..... 01/00
(C) Date Design Complete..... 01/00
(D) Percent Complete As Of September 1999..... 0%
(E) Percent Complete As Of January 2000..... 0%
(F) Type of Design Contract.....
(G) Parametric Estimate used to develop cost..... N/A
(H) Energy study/life-cycle analysis performed..... N/A

(2) Basis:
(A) Standard or Definitive Design: No
(B) Where Design Was Most Recently Used:

(3) Total Cost (C) = (A) + (B) Or (D) + (E):
(A) Production of Plans and Specifications..... 0
(B) All Other Design Costs..... 0
(C) Total..... 0
(D) Contract..... 0
(E) In-House..... 0

(4) Contract Award.....

(5) Construction Start..... 01/00

(6) Construction Completion..... 01/00

B. Equipment associated with this project which will be provided from other appropriations: NONE.

Activity POC: Phone No: