

DEPARTMENT OF THE NAVY

Fiscal Year (FY) 2011

BUDGET ESTIMATES

FY 2011 Program



MILITARY CONSTRUCTION AND

FAMILY HOUSING PROGRAMS

JUSTIFICATION DATA

Submitted to Congress

February 2010

Blank Page

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Table of Contents

STATE LIST	i
INDEX OF LOCATIONS	iii
INDEX OF LOCATIONS (NAVY)	xi
INDEX OF LOCATIONS (MARINES)	xvii
MISSION STATUS INDEX	xxiii
INSTALLATION INDEX	xxix
APPROPRIATION LANGUAGE	xxxii
SPECIAL PROGRAM CONSIDERATIONS	xxxiii
PROJECT JUSTIFICATIONS - INSIDE THE UNITED STATES	1
PROJECT JUSTIFICATIONS - OUTSIDE THE UNITED STATES	169
PLANNING AND DESIGN	463
UNSPECIFIED MINOR CONSTRUCTION	465
FAMILY HOUSING	1

Blank Page

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program
Summary of Locations

<u>State/Country</u>	Auth Request	Approp Request
<u>Inside The United States</u>		
ALABAMA	29,082	29,082
ARIZONA	285,060	285,060
CALIFORNIA	866,758	896,758
FLORIDA	76,920	76,920
GEORGIA	60,664	60,664
HAWAII	248,088	248,088
MARYLAND	76,449	76,449
NORTH CAROLINA	854,903	854,903
RHODE ISLAND	27,007	27,007
SOUTH CAROLINA	129,410	129,410
VIRGINIA	156,067	256,067
WASHINGTON	56,893	76,009
Subtotal	2,867,301	3,016,417
<u>Outside the United States</u>		
BAHRAIN	213,153	213,153
DJIBOUTI	51,631	51,631
GUAM	213,940	426,878
JAPAN	6,908	6,908
SPAIN	23,190	23,190
Subtotal	508,822	721,760
<u>Various Locations</u>		
Various Locations	0	140,927
Subtotal	0	140,927
Total - FY 2011 Military Construction Program	3,376,123	3,879,104

Blank Page

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
ALABAMA						
		NAS WHITING FLD MILTON FL SUMMERDALE, ALABAMA				
	266	T-6 Solo Capable Outlying Landing Field	29,082	29,082	Current	3
		Subtotal	29,082	29,082		
		Total - ALABAMA	29,082	29,082		
ARIZONA						
		MCAS YUMA AZ YUMA, ARIZONA				
	447A	Aircraft Maintenance Hangar	40,600	40,600	New	9
	460	Aircraft Maintenance Hangar	63,280	63,280	New	13
	533	Simulator Facility	36,060	36,060	New	17
	546	Utilities Infrastructure Upgrades	44,320	44,320	New	21
	573	Intermediate Maintenance Activity Facility	21,480	21,480	Current	27
	578	Van Pad Complex Relocation	15,590	15,590	Current	31
	583	Communications Infrastructure Upgrade	63,730	63,730	Current	35
		Subtotal	285,060	285,060		
		Total - ARIZONA	285,060	285,060		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
CALIFORNIA						
		<u>MARINE CORPS AIR STATION CAMP PENDLETON</u> <u>CAMP PENDLETON, CALIFORNIA</u>				
	109	CNATT/FRS - Aviation Training and BEQ	66,110	66,110	New	41
	111	MALS-39 Maintenance Hangar Expansion	48,230	48,230	New	47
		Subtotal	114,340	114,340		
		<u>MARINE CORPS BASE CAMP PENDLETON</u> <u>CAMP PENDLETON, CALIFORNIA</u>				
	1014	Truck Company Operations Complex	53,490	53,490	New	55
	1043A	North Region Tertiary Treat Plant Inc 2	0	30,000	Current	61
	1044	Conveyance/Water Treatment	100,700	100,700	Current	67
	1109	BEQ - Las Flores	37,020	37,020	Current	73
	1113	BEQ - 13 Area	42,864	42,864	Current	77
	1200	Marine Corps Energy Initiative	9,950	9,950	New	81
	310	Small Arms Magazine - Edson Range	3,760	3,760	Current	83
		Subtotal	247,784	277,784		
		<u>MARINE CORPS RECRUIT DEPOT</u> <u>SAN DIEGO, CALIFORNIA</u>				
	400	Marine Corps Energy Initiative	9,950	9,950	New	89
		Subtotal	9,950	9,950		
		<u>MCAS MIRAMAR</u> <u>SAN DIEGO, CALIFORNIA</u>				
	152	Parking Apron/ Taxiway Expansion	66,500	66,500	Current	93
	185	Hangar 4	33,620	33,620	New	97
	192	Aircraft Maintenance Hangar	90,490	90,490	New	101
		Subtotal	190,610	190,610		
		<u>NAVBASE CORONADO</u> <u>SAN DIEGO, CALIFORNIA</u>				
	750	Rotary Hangar	67,160	67,160	Current	107
		Subtotal	67,160	67,160		
		<u>NAVBASE SAN DIEGO</u> <u>SAN DIEGO, CALIFORNIA</u>				
	327	Berthing Pier 12 Repl & Dredging, Ph 1	108,414	108,414	Current	113
	405	Bachelor Enlisted Quarters, Homeport Ashore	75,342	75,342	Current	117
		Subtotal	183,756	183,756		
		<u>MARINE CORPS BASE TWENTYNINE PALMS</u> <u>TWENTYNINE PALMS, CALIFORNIA</u>				
	163	BEQ and Parking Structure	53,158	53,158	New	123
		Subtotal	53,158	53,158		
		Total - CALIFORNIA	866,758	896,758		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
FLORIDA						
		MCSF BLOUNT ISLAND <u>JACKSONVILLE, FLORIDA</u>				
	005	Paint and Blast Facility	18,840	18,840	Current	129
	012	Container Staging and Loading Lot	5,990	5,990	Current	133
	017	Hardstand Extension	17,930	17,930	Current	137
	022	Consolidated Warehouse Facility	17,260	17,260	Current	141
	023	Washrack Expansion	9,690	9,690	Current	145
	024	Container Storage Lot	4,910	4,910	Current	149
		Subtotal	74,620	74,620		
		NAVAL SUPPORT ACTIVITY ORLANDO <u>TAMPA, FLORIDA</u>				
	114	JCSE Vehicle Paint Facility	2,300	2,300	Current	155
		Subtotal	2,300	2,300		
		Total - FLORIDA	76,920	76,920		
GEORGIA						
		SUBASE KINGS BAY GA <u>KINGS BAY, GEORGIA</u>				
	601	Security Enclave & Vehicle Barriers	45,004	45,004	New	161
	620	Waterfront Emergency Power	15,660	15,660	Current	165
		Subtotal	60,664	60,664		
		Total - GEORGIA	60,664	60,664		
HAWAII						
		NAVSTA PEARL HARBOR HI <u>FORD ISLAND, HAWAII</u>				
	056	Ctr for Disaster Mgt/Humanitarian Assistance	9,140	9,140	Current	199
		Subtotal	9,140	9,140		
		MARINE CORPS BASE HAWAII <u>KANEOHE, HAWAII</u>				
	006	Physical Fitness Center - Camp Smith	29,960	29,960	Current	205
	816	Waterfront Operations Facility	19,130	19,130	Current	209
	858	Bachelor Enlisted Quarters	90,530	90,530	New	213
		Subtotal	139,620	139,620		
		NAVSTA PEARL HARBOR HI <u>PEARL HARBOR, HAWAII</u>				
	005	Joint POW/MIA Accounting Command	99,328	99,328	Current	221
		Subtotal	99,328	99,328		
		Total - HAWAII	248,088	248,088		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
MARYLAND						
		NSA SOUTH POTOMAC <u>INDIAN HEAD, MARYLAND</u>				
	162	Agile Chemical Facility - Phase 2	34,238	34,238	Current	229
		Subtotal	34,238	34,238		
		NAVAL AIR STATION PAX RIVER <u>PATUXENT RIVER, MARYLAND</u>				
	263	Broad Area Maritime Surveillance T & E Fac	42,211	42,211	New	239
		Subtotal	42,211	42,211		
		Total - MARYLAND	76,449	76,449		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program
Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
NORTH CAROLINA						
		MCAS CHERRY POINT NC <u>BOGUE, NORTH CAROLINA</u>				
	164	Mariner's Bay Land Acquisition - Bogue	3,790	3,790	Current	245
		Subtotal	3,790	3,790		
		MARINE CORPS BASE CAMP LEJEUNE <u>CAMP LEJEUNE, NORTH CAROLINA</u>				
	004	Motor Transportation/Comm. Maint. Fac.	18,470	18,470	Current	251
	1034	2nd Intel Bn Maintenance/Operations Complex	90,270	90,270	Current	257
	1240	Maintenance/Ops Complex - 2nd ANGLICO	36,100	36,100	Current	263
	1246	EOD Addition - 2nd Marine Logistics Group	7,420	7,420	New	267
	1249	BEQ - Wallace Creek North	46,290	46,290	Current	271
	1251	BEQ - Courthouse Bay	42,330	42,330	Current	275
	1254	BEQ - Courthouse Bay	40,780	40,780	Current	279
	1256	Mess Hall Addition - Courthouse Bay	2,553	2,553	Current	283
	1264	Utility Expansion - Hadnot Point	56,470	56,470	New	287
	1265	Utility Expansion - French Creek	56,050	56,050	New	291
	1267	Mess Hall - French Creek	25,960	25,960	Current	295
	1286	BEQ - Rifle Range	55,350	55,350	Current	299
	1317	BEQ - French Creek	43,640	43,640	Current	303
	1319	BEQ - Camp Johnson	46,550	46,550	Current	307
	1322	BEQ - Wallace Creek	51,660	51,660	Current	311
	1323	Armory - II MEF - Wallace Creek	12,280	12,280	Current	315
	1400	Marine Corps Energy Initiative	9,950	9,950	New	319
	683	Hangar	73,010	73,010	New	321
	687	Maintenance Hangar (HMLA)	74,260	74,260	Current	325
		Subtotal	789,393	789,393		
		MCAS CHERRY POINT NC <u>CHERRY POINT, NORTH CAROLINA</u>				
	136	Bachelor Enlisted Quarters	42,500	42,500	Current	331
	148	Missile Magazine	13,420	13,420	Current	335
	176	Station Infrastructure Upgrades	5,800	5,800	Current	339
		Subtotal	61,720	61,720		
		Total - NORTH CAROLINA	854,903	854,903		
RHODE ISLAND						
		NAVAL STATION NEWPORT RI <u>NEWPORT, RHODE ISLAND</u>				
	068	Electromagnetic Sensor Facility	27,007	27,007	Current	345
		Subtotal	27,007	27,007		
		Total - RHODE ISLAND	27,007	27,007		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program
Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
SOUTH CAROLINA						
		MARINE CORPS AIR STATION BEAUFORT <u>BEAUFORT, SOUTH CAROLINA</u>				
	420	Physical Fitness Center	15,430	15,430	Current	351
	433	AICUZ Land Acquisition	21,190	21,190	Current	355
	444	Training and Simulator Facility	46,240	46,240	New	359
	454	Aircraft Hangar - VMFAT-502	46,550	46,550	New	363
		Subtotal	129,410	129,410		
		Total - SOUTH CAROLINA	129,410	129,410		
VIRGINIA						
		NAVSTA NORFOLK VA <u>NORFOLK, VIRGINIA</u>				
	828	Piers 9 and 10 Upgrades for DDG 1000	2,400	2,400	New	369
	862	Pier 1 Upgrades to Berth USNS Comfort	10,035	10,035	New	371
		Subtotal	12,435	12,435		
		NSA NORFOLK NAVY SHIPYARD <u>PORTSMOUTH, VIRGINIA</u>				
	516A	Ship Repair Pier Replacement Inc 2	0	100,000	Current	377
		Subtotal	0	100,000		
		MARINE CORPS BASE QUANTICO <u>QUANTICO, VIRGINIA</u>				
	541	Research Center Addition - MCU	37,920	37,920	Current	385
	566	Student Officer Quarters - The Basic School	55,822	55,822	Current	389
	599	Bachelor Enlisted Quarters - WTBN	37,810	37,810	Current	393
	615	Academic Facility Addition - SNCOA	12,080	12,080	Current	397
		Subtotal	143,632	143,632		
		Total - VIRGINIA	156,067	256,067		
WASHINGTON						
		NAVAL BASE KITSAP BREMERTON WA <u>BREMERTON, WASHINGTON</u>				
	843	CSDS-5 Laboratory Expansion Phase 1	16,170	16,170	Current	403
	910	Waterfront Restricted Area Emergency Power	24,913	24,913	Current	409
	973F	Limited Area Prod & Strg Complex, Incr 7 of 7	0	19,116	Current	413
	987	Limited Area Emergency Power	15,810	15,810	Current	417
		Subtotal	56,893	76,009		
		Total - WASHINGTON	56,893	76,009		
		Total - Inside The United States	2,867,301	3,016,417		
<u>Outside the United States</u>						

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Outside the United States</u>						
BAHRAIN						
NAVSUPPACT BAHRAIN						
<u>BAHRAIN IS, BAHRAIN</u>						
	908	Operations and Support Facilities	60,002	60,002	Current	423
	954	Waterfront Development, Phase 3	63,871	63,871	Current	427
	958	NAVCENT Ammunition Magazines	89,280	89,280	Current	431
		Subtotal	213,153	213,153		
		Total - BAHRAIN	213,153	213,153		
DJIBOUTI						
CAMP LEMONIER DJIBOUTI						
<u>DJIBOUTI, DJIBOUTI</u>						
	219	General Warehouse	7,324	7,324	Current	437
	230	Horn of Africa Joint Operations Center	28,076	28,076	Current	441
	232	Camp Lemonier HQ Facility	12,407	12,407	Current	445
	912	Pave External Roads	3,824	3,824	Current	449
		Subtotal	51,631	51,631		
		Total - DJIBOUTI	51,631	51,631		
GUAM						
NAVBASE GUAM						
<u>AGANA, GUAM</u>						
	204A	Apra Harbor Wharf Improvement - Inc 2 of 2	0	40,000	New	171
	205	Defense Access Road Improvements	66,730	66,730	New	177
		Subtotal	66,730	106,730		
NSA ANDERSEN						
<u>ANDERSEN AB, GUAM</u>						
	100A	North Ramp Utilities Inc 2 of 2	0	79,350	New	183
	101A	AAFB North Ramp Parking Inc 2	0	93,588	New	187
		Subtotal	0	172,938		
NAVBASE GUAM						
<u>FINEGAYAN, GUAM</u>						
	110	Finegayan Site Prep and Utilites, Phase 1	147,210	147,210	New	193
		Subtotal	147,210	147,210		
		Total - GUAM	213,940	426,878		
JAPAN						
NAF ATSUGI JA						
<u>ATSUGI, JAPAN</u>						
	203	MH-60R/S Trainer Facility	6,908	6,908	New	453
		Subtotal	6,908	6,908		
		Total - JAPAN	6,908	6,908		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Outside the United States</u>						
SPAIN						
		NAVSTA ROTA SP <u>ROTA, SPAIN</u>				
	897	Air Traffic Control Tower	23,190	23,190	Current	459
		Subtotal	23,190	23,190		
		Total - SPAIN	23,190	23,190		
		Total - Outside The United States	508,822	721,760		
<u>Various Locations</u>						
	211	Planning & Design	0	120,050	Current	463
	211	Unspecified Minor Construction	0	20,877	Current	465
		Total - Various Locations	0	140,927		
		Grand Total	3,376,123	3,879,104		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
ALABAMA						
		NAS WHITING FLD MILTON FL <u>SUMMERDALE, ALABAMA</u>				
	266	T-6 Solo Capable Outlying Landing Field	29,082	29,082	Current	3
		Subtotal	29,082	29,082		
		Total - ALABAMA	29,082	29,082		
CALIFORNIA						
		NAVBASE CORONADO <u>SAN DIEGO, CALIFORNIA</u>				
	750	Rotary Hangar	67,160	67,160	Current	107
		Subtotal	67,160	67,160		
		NAVBASE SAN DIEGO <u>SAN DIEGO, CALIFORNIA</u>				
	327	Berthing Pier 12 Repl & Dredging, Ph 1	108,414	108,414	Current	113
	405	Bachelor Enlisted Quarters, Homeport Ashore	75,342	75,342	Current	117
		Subtotal	183,756	183,756		
		Total - CALIFORNIA	250,916	250,916		
FLORIDA						
		NAVAL SUPPORT ACTIVITY ORLANDO <u>TAMPA, FLORIDA</u>				
	114	JCSE Vehicle Paint Facility	2,300	2,300	Current	155
		Subtotal	2,300	2,300		
		Total - FLORIDA	2,300	2,300		
GEORGIA						
		SUBASE KINGS BAY GA <u>KINGS BAY, GEORGIA</u>				
	601	Security Enclave & Vehicle Barriers	45,004	45,004	New	161
	620	Waterfront Emergency Power	15,660	15,660	Current	165
		Subtotal	60,664	60,664		
		Total - GEORGIA	60,664	60,664		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
HAWAII						
		NAVSTA PEARL HARBOR HI <u>FORD ISLAND, HAWAII</u>				
	056	Ctr for Disaster Mgt/Humanitarian Assistance	9,140	9,140	Current	199
		Subtotal	9,140	9,140		
		NAVSTA PEARL HARBOR HI <u>PEARL HARBOR, HAWAII</u>				
	005	Joint POW/MIA Accounting Command	99,328	99,328	Current	221
		Subtotal	99,328	99,328		
		Total - HAWAII	108,468	108,468		
MARYLAND						
		NSA SOUTH POTOMAC <u>INDIAN HEAD, MARYLAND</u>				
	162	Agile Chemical Facility - Phase 2	34,238	34,238	Current	229
		Subtotal	34,238	34,238		
		NAVAL AIR STATION PAX RIVER <u>PATUXENT RIVER, MARYLAND</u>				
	263	Broad Area Maritime Surveillance T & E Fac	42,211	42,211	New	239
		Subtotal	42,211	42,211		
		Total - MARYLAND	76,449	76,449		
RHODE ISLAND						
		NAVAL STATION NEWPORT RI <u>NEWPORT, RHODE ISLAND</u>				
	068	Electromagnetic Sensor Facility	27,007	27,007	Current	345
		Subtotal	27,007	27,007		
		Total - RHODE ISLAND	27,007	27,007		
VIRGINIA						
		NAVSTA NORFOLK VA <u>NORFOLK, VIRGINIA</u>				
	828	Piers 9 and 10 Upgrades for DDG 1000	2,400	2,400	New	369
	862	Pier 1 Upgrades to Berth USNS Comfort	10,035	10,035	New	371
		Subtotal	12,435	12,435		
		NSA NORFOLK NAVY SHIPYARD <u>PORTSMOUTH, VIRGINIA</u>				
	516A	Ship Repair Pier Replacement Inc 2	0	100,000	Current	377
		Subtotal	0	100,000		
		Total - VIRGINIA	12,435	112,435		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
WASHINGTON						
		NAVAL BASE KITSAP BREMERTON WA <u>BREMERTON, WASHINGTON</u>				
	843	CSDS-5 Laboratory Expansion Phase 1	16,170	16,170	Current	403
	910	Waterfront Restricted Area Emergency Power	24,913	24,913	Current	409
	973F	Limited Area Prod & Strg Complex, Incr 7 of 7	0	19,116	Current	413
	987	Limited Area Emergency Power	15,810	15,810	Current	417
		Subtotal	56,893	76,009		
		Total - WASHINGTON	56,893	76,009		
		Total - Inside The United States	624,214	743,330		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Outside the United States</u>						
BAHRAIN						
		NAVSUPPACT BAHRAIN <u>BAHRAIN IS, BAHRAIN</u>				
	908	Operations and Support Facilities	60,002	60,002	Current	423
	954	Waterfront Development, Phase 3	63,871	63,871	Current	427
	958	NAVCENT Ammunition Magazines	89,280	89,280	Current	431
		Subtotal	213,153	213,153		
		Total - BAHRAIN	213,153	213,153		
DJIBOUTI						
		CAMP LEMONIER DJIBOUTI <u>DJIBOUTI, DJIBOUTI</u>				
	219	General Warehouse	7,324	7,324	Current	437
	230	Horn of Africa Joint Operations Center	28,076	28,076	Current	441
	232	Camp Lemonier HQ Facility	12,407	12,407	Current	445
	912	Pave External Roads	3,824	3,824	Current	449
		Subtotal	51,631	51,631		
		Total - DJIBOUTI	51,631	51,631		
GUAM						
		NAVBASE GUAM <u>FINEGAYAN, GUAM</u>				
	110	Finegayan Site Prep and Utilites, Phase 1	147,210	147,210	New	193
		Subtotal	147,210	147,210		
		Total - GUAM	147,210	147,210		
JAPAN						
		NAF ATSUGI JA <u>ATSUGI, JAPAN</u>				
	203	MH-60R/S Trainer Facility	6,908	6,908	New	453
		Subtotal	6,908	6,908		
		Total - JAPAN	6,908	6,908		
SPAIN						
		NAVSTA ROTA SP <u>ROTA, SPAIN</u>				
	897	Air Traffic Control Tower	23,190	23,190	Current	459
		Subtotal	23,190	23,190		
		Total - SPAIN	23,190	23,190		
		Total - Outside The United States	442,092	442,092		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
		<u>Various Locations</u>				
	211	Planning & Design	0	120,050	Current	463
	211	Unspecified Minor Construction	0	20,877	Current	465
		Total - Various Locations	0	140,927		

Blank Page

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program
Index of Locations for Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
ARIZONA						
		MCAS YUMA AZ <u>YUMA, ARIZONA</u>				
	447A	Aircraft Maintenance Hangar	40,600	40,600	New	9
	460	Aircraft Maintenance Hangar	63,280	63,280	New	13
	533	Simulator Facility	36,060	36,060	New	17
	546	Utilities Infrastructure Upgrades	44,320	44,320	New	21
	573	Intermediate Maintenance Activity Facility	21,480	21,480	Current	27
	578	Van Pad Complex Relocation	15,590	15,590	Current	31
	583	Communications Infrastructure Upgrade	63,730	63,730	Current	35
		Subtotal	285,060	285,060		
		Total - ARIZONA	285,060	285,060		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Index of Locations for Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
CALIFORNIA						
<u>MARINE CORPS AIR STATION CAMP PENDLETON</u> <u>CAMP PENDLETON, CALIFORNIA</u>						
	109	CNATT/FRS - Aviation Training and BEQ	66,110	66,110	New	41
	111	MALS-39 Maintenance Hangar Expansion	48,230	48,230	New	47
		Subtotal	114,340	114,340		
<u>MARINE CORPS BASE CAMP PENDLETON</u> <u>CAMP PENDLETON, CALIFORNIA</u>						
	1014	Truck Company Operations Complex	53,490	53,490	New	55
	1043A	North Region Tertiary Treat Plant Inc 2	0	30,000	Current	61
	1044	Conveyance/Water Treatment	100,700	100,700	Current	67
	1109	BEQ - Las Flores	37,020	37,020	Current	73
	1113	BEQ - 13 Area	42,864	42,864	Current	77
	1200	Marine Corps Energy Initiative	9,950	9,950	New	81
	310	Small Arms Magazine - Edson Range	3,760	3,760	Current	83
		Subtotal	247,784	277,784		
<u>MARINE CORPS RECRUIT DEPOT</u> <u>SAN DIEGO, CALIFORNIA</u>						
	400	Marine Corps Energy Initiative	9,950	9,950	New	89
		Subtotal	9,950	9,950		
<u>MCAS MIRAMAR</u> <u>SAN DIEGO, CALIFORNIA</u>						
	152	Parking Apron/ Taxiway Expansion	66,500	66,500	Current	93
	185	Hangar 4	33,620	33,620	New	97
	192	Aircraft Maintenance Hangar	90,490	90,490	New	101
		Subtotal	190,610	190,610		
<u>MARINE CORPS BASE TWENTYNINE PALMS</u> <u>TWENTYNINE PALMS, CALIFORNIA</u>						
	163	BEQ and Parking Structure	53,158	53,158	New	123
		Subtotal	53,158	53,158		
		Total - CALIFORNIA	615,842	645,842		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program
Index of Locations for Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
FLORIDA						
		MCSF BLOUNT ISLAND <u>JACKSONVILLE, FLORIDA</u>				
	005	Paint and Blast Facility	18,840	18,840	Current	129
	012	Container Staging and Loading Lot	5,990	5,990	Current	133
	017	Hardstand Extension	17,930	17,930	Current	137
	022	Consolidated Warehouse Facility	17,260	17,260	Current	141
	023	Washrack Expansion	9,690	9,690	Current	145
	024	Container Storage Lot	4,910	4,910	Current	149
		Subtotal	74,620	74,620		
		Total - FLORIDA	74,620	74,620		
HAWAII						
		MARINE CORPS BASE HAWAII <u>KANEOHE, HAWAII</u>				
	006	Physical Fitness Center - Camp Smith	29,960	29,960	Current	205
	816	Waterfront Operations Facility	19,130	19,130	Current	209
	858	Bachelor Enlisted Quarters	90,530	90,530	New	213
		Subtotal	139,620	139,620		
		Total - HAWAII	139,620	139,620		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program
Index of Locations for Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
NORTH CAROLINA						
		MCAS CHERRY POINT NC <u>BOGUE, NORTH CAROLINA</u>				
	164	Mariner's Bay Land Acquisition - Bogue	3,790	3,790	Current	245
		Subtotal	3,790	3,790		
		MARINE CORPS BASE CAMP LEJEUNE <u>CAMP LEJEUNE, NORTH CAROLINA</u>				
	004	Motor Transportation/Comm. Maint. Fac.	18,470	18,470	Current	251
	1034	2nd Intel Bn Maintenance/Operations Complex	90,270	90,270	Current	257
	1240	Maintenance/Ops Complex - 2nd ANGLICO	36,100	36,100	Current	263
	1246	EOD Addition - 2nd Marine Logistics Group	7,420	7,420	New	267
	1249	BEQ - Wallace Creek North	46,290	46,290	Current	271
	1251	BEQ - Courthouse Bay	42,330	42,330	Current	275
	1254	BEQ - Courthouse Bay	40,780	40,780	Current	279
	1256	Mess Hall Addition - Courthouse Bay	2,553	2,553	Current	283
	1264	Utility Expansion - Hadnot Point	56,470	56,470	New	287
	1265	Utility Expansion - French Creek	56,050	56,050	New	291
	1267	Mess Hall - French Creek	25,960	25,960	Current	295
	1286	BEQ - Rifle Range	55,350	55,350	Current	299
	1317	BEQ - French Creek	43,640	43,640	Current	303
	1319	BEQ - Camp Johnson	46,550	46,550	Current	307
	1322	BEQ - Wallace Creek	51,660	51,660	Current	311
	1323	Armory - II MEF - Wallace Creek	12,280	12,280	Current	315
	1400	Marine Corps Energy Initiative	9,950	9,950	New	319
	683	Hangar	73,010	73,010	New	321
	687	Maintenance Hangar (HMLA)	74,260	74,260	Current	325
		Subtotal	789,393	789,393		
		MCAS CHERRY POINT NC <u>CHERRY POINT, NORTH CAROLINA</u>				
	136	Bachelor Enlisted Quarters	42,500	42,500	Current	331
	148	Missile Magazine	13,420	13,420	Current	335
	176	Station Infrastructure Upgrades	5,800	5,800	Current	339
		Subtotal	61,720	61,720		
		Total - NORTH CAROLINA	854,903	854,903		

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program
Index of Locations for Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request	Approp Request	Mission	Page No.
<u>Inside the United States</u>						
SOUTH CAROLINA						
		MARINE CORPS AIR STATION BEAUFORT <u>BEAUFORT, SOUTH CAROLINA</u>				
	420	Physical Fitness Center	15,430	15,430	Current	351
	433	AICUZ Land Acquisition	21,190	21,190	Current	355
	444	Training and Simulator Facility	46,240	46,240	New	359
	454	Aircraft Hangar - VMFAT-502	46,550	46,550	New	363
		Subtotal	129,410	129,410		
		Total - SOUTH CAROLINA	129,410	129,410		
VIRGINIA						
		MARINE CORPS BASE QUANTICO <u>QUANTICO, VIRGINIA</u>				
	541	Research Center Addition - MCU	37,920	37,920	Current	385
	566	Student Officer Quarters - The Basic School	55,822	55,822	Current	389
	599	Bachelor Enlisted Quarters - WTBN	37,810	37,810	Current	393
	615	Academic Facility Addition - SNCOA	12,080	12,080	Current	397
		Subtotal	143,632	143,632		
		Total - VIRGINIA	143,632	143,632		
		Total - Inside The United States	2,243,087	2,273,087		
<u>Outside the United States</u>						
GUAM						
		NAVBASE GUAM <u>AGANA, GUAM</u>				
	204A	Apra Harbor Wharf Improvement - Inc 2 of 2	0	40,000	New	171
	205	Defense Access Road Improvements	66,730	66,730	New	177
		Subtotal	66,730	106,730		
		NSA ANDERSEN <u>ANDERSEN AB, GUAM</u>				
	100A	North Ramp Utilities Inc 2 of 2	0	79,350	New	183
	101A	AAFB North Ramp Parking Inc 2	0	93,588	New	187
		Subtotal	0	172,938		
		Total - GUAM	66,730	279,668		
		Total - Outside The United States	66,730	279,668		

Blank Page

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Mission Status Index

Installation/Location	Proj No.	Project Title	Cost (\$000)	Mission Status
<u>Inside the United States</u>				
<u>ALABAMA</u>				
NAS WHITING FLD MILTON FL SUMMERDALE, ALABAMA	266	T-6 Solo Capable Outlying Landing Field	29,082	Current
<u>ARIZONA</u>				
MCAS YUMA AZ YUMA, ARIZONA	447A	Aircraft Maintenance Hangar	40,600	New
	460	Aircraft Maintenance Hangar	63,280	New
	533	Simulator Facility	36,060	New
	546	Utilities Infrastructure Upgrades	44,320	New
	573	Intermediate Maintenance Activity Facility	21,480	Current
	578	Van Pad Complex Relocation	15,590	Current
	583	Communications Infrastructure Upgrade	63,730	Current
<u>CALIFORNIA</u>				
MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA	109	CNATT/FRS - Aviation Training and BEQ	66,110	New
	111	MALS-39 Maintenance Hangar Expansion	48,230	New
MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA	1014	Truck Company Operations Complex	53,490	New
	1043A	North Region Tertiary Treat Plant Inc 2	30,000	Current
	1044	Conveyance/Water Treatment	100,700	Current
	1109	BEQ - Las Flores	37,020	Current
	1113	BEQ - 13 Area	42,864	Current
	1200	Marine Corps Energy Initiative	9,950	New
	310	Small Arms Magazine - Edson Range	3,760	Current
MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA	400	Marine Corps Energy Initiative	9,950	New
MCAS MIRAMAR SAN DIEGO, CALIFORNIA	152	Parking Apron/ Taxiway Expansion	66,500	Current
	185	Hangar 4	33,620	New
	192	Aircraft Maintenance Hangar	90,490	New
NAVBASE CORONADO SAN DIEGO, CALIFORNIA	750	Rotary Hangar	67,160	Current
NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA	327	Berthing Pier 12 Repl & Dredging, Ph 1	108,414	Current
	405	Bachelor Enlisted Quarters, Homeport Ashore	75,342	Current
MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA	163	BEQ and Parking Structure	53,158	New

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Mission Status Index

Installation/Location	Proj No.	Project Title	Cost (\$000)	Mission Status
<u>Inside the United States</u>				
<u>FLORIDA</u>				
MCSF BLOUNT ISLAND	005	Paint and Blast Facility	18,840	Current
JACKSONVILLE, FLORIDA	012	Container Staging and Loading Lot	5,990	Current
	017	Hardstand Extension	17,930	Current
	022	Consolidated Warehouse Facility	17,260	Current
	023	Washrack Expansion	9,690	Current
	024	Container Storage Lot	4,910	Current
NAVAL SUPPORT ACTIVITY ORLANDO TAMPA, FLORIDA	114	JCSE Vehicle Paint Facility	2,300	Current
<u>GEORGIA</u>				
SUBASE KINGS BAY GA	601	Security Enclave & Vehicle Barriers	45,004	New
KINGS BAY, GEORGIA	620	Waterfront Emergency Power	15,660	Current
<u>HAWAII</u>				
NAVSTA PEARL HARBOR HI FORD ISLAND, HAWAII	056	Ctr for Disaster Mgt/Humanitarian Assistance	9,140	Current
MARINE CORPS BASE HAWAII KANEHOE, HAWAII	006	Physical Fitness Center - Camp Smith	29,960	Current
	816	Waterfront Operations Facility	19,130	Current
	858	Bachelor Enlisted Quarters	90,530	New
NAVSTA PEARL HARBOR HI PEARL HARBOR, HAWAII	005	Joint POW/MIA Accounting Command	99,328	Current
<u>MARYLAND</u>				
NSA SOUTH POTOMAC INDIAN HEAD, MARYLAND	162	Agile Chemical Facility - Phase 2	34,238	Current
NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND	263	Broad Area Maritime Surveillance T & E Fac	42,211	New

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Mission Status Index

Installation/Location	Proj No.	Project Title	Cost (\$000)	Mission Status
<u>Inside the United States</u>				
<u>NORTH CAROLINA</u>				
MCAS CHERRY POINT NC BOGUE, NORTH CAROLINA	164	Mariner's Bay Land Acquisition - Bogue	3,790	Current
MARINE CORPS BASE CAMP LEJEUNE CAMP LEJEUNE, NORTH CAROLINA	004	Motor Transportation/Comm. Maint. Fac.	18,470	Current
	1034	2nd Intel Bn Maintenance/Operations Complex	90,270	Current
	1240	Maintenance/Ops Complex - 2nd ANGLICO	36,100	Current
	1246	EOD Addition - 2nd Marine Logistics Group	7,420	New
	1249	BEQ - Wallace Creek North	46,290	Current
	1251	BEQ - Courthouse Bay	42,330	Current
	1254	BEQ - Courthouse Bay	40,780	Current
	1256	Mess Hall Addition - Courthouse Bay	2,553	Current
	1264	Utility Expansion - Hadnot Point	56,470	New
	1265	Utility Expansion - French Creek	56,050	New
	1267	Mess Hall - French Creek	25,960	Current
	1286	BEQ - Rifle Range	55,350	Current
	1317	BEQ - French Creek	43,640	Current
	1319	BEQ - Camp Johnson	46,550	Current
	1322	BEQ - Wallace Creek	51,660	Current
	1323	Armory - II MEF - Wallace Creek	12,280	Current
	1400	Marine Corps Energy Initiative	9,950	New
	683	Hangar	73,010	New
	687	Maintenance Hangar (HMLA)	74,260	Current
MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA	136	Bachelor Enlisted Quarters	42,500	Current
	148	Missile Magazine	13,420	Current
	176	Station Infrastructure Upgrades	5,800	Current
<u>RHODE ISLAND</u>				
NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND	068	Electromagnetic Sensor Facility	27,007	Current
<u>SOUTH CAROLINA</u>				
MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA	420	Physical Fitness Center	15,430	Current
	433	AICUZ Land Acquisition	21,190	Current
	444	Training and Simulator Facility	46,240	New
	454	Aircraft Hangar - VMFAT-502	46,550	New

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Mission Status Index

Installation/Location	Proj No.	Project Title	Cost (\$000)	Mission Status
<u>Inside the United States</u>				
<u>VIRGINIA</u>				
NAVSTA NORFOLK VA	828	Piers 9 and 10 Upgrades for DDG 1000	2,400	New
NORFOLK, VIRGINIA	862	Pier 1 Upgrades to Berth USNS Comfort	10,035	New
NSA NORFOLK NAVY SHIPYARD PORTSMOUTH, VIRGINIA	516A	Ship Repair Pier Replacement Inc 2	100,000	Current
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	541	Research Center Addition - MCU	37,920	Current
	566	Student Officer Quarters - The Basic School	55,822	Current
	599	Bachelor Enlisted Quarters - WTBN	37,810	Current
	615	Academic Facility Addition - SNCOA	12,080	Current
<u>WASHINGTON</u>				
NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON	843	CSDS-5 Laboratory Expansion Phase 1	16,170	Current
	910	Waterfront Restricted Area Emergency Power	24,913	Current
	973F	Limited Area Prod & Strg Complex, Incr 7 of 7	19,116	Current
	987	Limited Area Emergency Power	15,810	Current
<u>Outside the United States</u>				
<u>BAHRAIN</u>				
NAVSUPACT BAHRAIN BAHRAIN IS, BAHRAIN	908	Operations and Support Facilities	60,002	Current
	954	Waterfront Development, Phase 3	63,871	Current
	958	NAVCENT Ammunition Magazines	89,280	Current
<u>DJIBOUTI</u>				
CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI	219	General Warehouse	7,324	Current
	230	Horn of Africa Joint Operations Center	28,076	Current
	232	Camp Lemonier HQ Facility	12,407	Current
	912	Pave External Roads	3,824	Current

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program

Mission Status Index

Installation/Location	Proj No.	Project Title	Cost (\$000)	Mission Status
<u>Outside the United States</u>				
<u>GUAM</u>				
NAVBASE GUAM AGANA, GUAM	204A	Apra Harbor Wharf Improvement - Inc 2 of 2	40,000	New
	205	Defense Access Road Improvements	66,730	New
NSA ANDERSEN ANDERSEN AB, GUAM	100A	North Ramp Utilities Inc 2 of 2	79,350	New
	101A	AAFB North Ramp Parking Inc 2	93,588	New
NAVBASE GUAM FINEGAYAN, GUAM	110	Finegayan Site Prep and Utilites, Phase 1	147,210	New
<u>JAPAN</u>				
NAF ATSUGI JA ATSUGI, JAPAN	203	MH-60R/S Trainer Facility	6,908	New
<u>SPAIN</u>				
NAVSTA ROTA SP ROTA, SPAIN	897	Air Traffic Control Tower	23,190	Current
<u>Various Locations</u>				
<u>VARIOUS LOCATIONS</u>				
Various Locations	211	Planning & Design	120,050	Current
Various Locations	211	Unspecified Minor Construction	20,877	Current

Blank Page

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program
Installation Index

Installation	Location	DD1390 PageNo.
	<u>B</u>	
MARINE CORPS AIR STATION BEAUFORT	BEAUFORT, SOUTH CAROLINA	349
MCAS CHERRY POINT NC	BOGUE, NORTH CAROLINA	243
NAVAL BASE KITSAP BREMERTON WA	BREMERTON, WASHINGTON	401
	<u>C</u>	
MARINE CORPS BASE CAMP LEJEUNE	CAMP LEJEUNE, NORTH CAROLINA	249
MARINE CORPS AIR STATION CAMP PENDLETON	CAMP PENDLETON, CALIFORNIA	39
MARINE CORPS BASE CAMP PENDLETON	CAMP PENDLETON, CALIFORNIA	53
MCAS CHERRY POINT NC	CHERRY POINT, NORTH CAROLINA	329
	<u>F</u>	
NAVSTA PEARL HARBOR HI	FORD ISLAND, HAWAII	197
	<u>I</u>	
NSA SOUTH POTOMAC	INDIAN HEAD, MARYLAND	227
	<u>J</u>	
MCSF BLOUNT ISLAND	JACKSONVILLE, FLORIDA	127
	<u>K</u>	
MARINE CORPS BASE HAWAII	KANEOHE, HAWAII	203
SUBASE KINGS BAY GA	KINGS BAY, GEORGIA	159
	<u>N</u>	
NAVAL STATION NEWPORT RI	NEWPORT, RHODE ISLAND	343
NAVSTA NORFOLK VA	NORFOLK, VIRGINIA	367
	<u>P</u>	
NAVAL AIR STATION PAX RIVER	PATUXENT RIVER, MARYLAND	237
NAVSTA PEARL HARBOR HI	PEARL HARBOR, HAWAII	219
NSA NORFOLK NAVY SHIPYARD	PORTSMOUTH, VIRGINIA	375
	<u>Q</u>	
MARINE CORPS BASE QUANTICO	QUANTICO, VIRGINIA	383
	<u>S</u>	
MARINE CORPS RECRUIT DEPOT	SAN DIEGO, CALIFORNIA	87
MCAS MIRAMAR	SAN DIEGO, CALIFORNIA	91
NAVBASE CORONADO	SAN DIEGO, CALIFORNIA	105
NAVBASE SAN DIEGO	SAN DIEGO, CALIFORNIA	111
NAS WHITING FLD MILTON FL	SUMMERDALE, ALABAMA	1
	<u>T</u>	
NAVAL SUPPORT ACTIVITY ORLANDO	TAMPA, FLORIDA	153
MARINE CORPS BASE TWENTYNINE PALMS	TWENTYNINE PALMS, CALIFORNIA	121
	<u>Y</u>	
MCAS YUMA AZ	YUMA, ARIZONA	7

Blank Page

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing Program
Appropriation Language

SECTION 1 - APPROPRIATION LANGUAGE

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, [\$3,769,003,000 less general reduction of \$235,000,000 equals \$3,534,003,000] \$3,879,104,000 to remain available until September 30, [2014] 2015. Provided, that of this amount, not to exceed [\$179,652,000] \$120,050,000 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.

SECTION 2 - EXPLANATION OF LANGUAGE CHANGES

1. Deletion of FY 2010 appropriations shown in brackets.

Blank Page

DEPARTMENT OF THE NAVY
FY 2011 Military Construction and Family Housing 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."

Blank Page

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: N60508 NAS WHITING FLD MILTON FL SUMMERDALE, ALABAMA				4. Command Commander Navy Installations Command			5. Area Const Cost Index .85				
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		1320	275	114	0	0	0	28	50	0	1787
B. End FY 2014		1323	300	114	0	0	0	44	57	0	1838
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(987 Acres)											
B. INVENTORY AS OF 30 SEP 2009											65,716
C. AUTHORIZATION NOT YET IN INVENTORY											15,010
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											29,082
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											0
G. REMAINING DEFICIENCY											0
H. GRAND TOTAL											109,808
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>						
11110	T-6 Solo-Dual Capable Outlying Landing Fields	09/2008	07/2010	0 LS	29,082						
TOTAL											29,082
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
C. R&M Unfunded Requirement (\$000):											318,194
10. Mission or Major Functions:											
Whiting Field hosts a fleet of over 200 T-34Cs and nearly 150 TH-57s. The Naval Air Station is composed of two separate airfields. Primary and intermediate flight training is conducted at North Field. Over 1,200 students complete their primary flight training annually. South Field is used for helicopter training. There are also 13 outlying fields used for student training.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement (*):											0
B. Occupational Safety and Health(OSH) (#):											0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N60508 NAS WHITING FLD MILTON FL SUMMERDALE, ALABAMA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .85

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N60508(AR) NAS WHITING FLD MILTON FL (NOLF SUMMERDALE) SUMMERDALE, ALABAMA			4. Project Title T-6 Solo Capable Outlying Landing Field	
5. Program Element 0212176N	6. Category Code 11110	7. Project Number P266	8. Project Cost (\$000) 29,082	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
T-6 SOLO CAPABLE OUTLYING LANDING FIELD	LS			20,940
BARIN ACQUIRE RESIDENCES (5) & STRUCTURES (6)	EA	5	170,000	(850)
BARIN NOLF EXTEND RUNWAYS	LS			(3,790)
SUMMERDALE NOLF EXTEND RUNWAYS	LS			(8,170)
SUMMERDALE ACQUIRE RESIDENCES (26) STRUCTURES (10)	EA	26	171,112	(4,450)
LAND PURCHASE (SUMMERDALE & BARIN)	AC	208	16,393.59	(3,410)
SPECIAL COSTS	LS			(270)
SUPPORTING FACILITIES				4,360
ENVIRONMENTAL MITIGATION	LS			(100)
PAVING AND SITE IMPROVEMENTS	LS			(1,540)
DEMOLITION	LS			(1,030)
SITE PREPARATIONS	LS			(1,370)
ELECTRICAL UTILITIES	LS			(320)
SUBTOTAL				25,300
CONTINGENCY (5%)				1,270
TOTAL CONTRACT COST				26,570
SIOH (5.7%)				1,510
SUBTOTAL				28,080
DESIGN/BUILD - DESIGN COST				1,010
TOTAL REQUEST ROUNDED				29,090
TOTAL REQUEST				29,082
EQUIPMENT FROM OTHER				(200)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
Purchase land, privately owned occupied dwellings and privately owned unoccupied structures necessary for the construction of clear zones, runway extensions and road realignment for Navy Outlying Landing Field (NOLF) Summerdale. Extend the two existing runways by 1,150 feet providing a total runway length of 4000 feet for dual capable operations. Realign Lassiter Farm Road outside the extended clear zone. Realign roads and associated utilities outside the extended clear zone. Provide new distance markers				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N60508(AR) NAS WHITING FLD MILTON FL (NOLF SUMMERDALE) SUMMERDALE, ALABAMA			4. Project Title T-6 Solo Capable Outlying Landing Field	
5. Program Element 0212176N	6. Category Code 11110	7. Project Number P266	8. Project Cost (\$000) 29,082	
<p>NAS Whiting Field conducts T-34C split field operations at North Field and helicopter training and T-34C instrument recovery at South Field. On a yearly average, there are 1,300,000 flight operations at NAS Whiting Field including thirteen Navy Outlying Landing Fields. The pilot training rate is projected to increase by approximately 20% over the intermediate to long term.</p> <p>NAS Whiting Field is a joint-use installation that provides sixty percent of the Navy's primary flight training, thirteen percent of Air Force flight training and fourteen percent of all Naval (Navy and Marine Corps) flight hours flown worldwide. In addition to the 6,000 foot runways at North and South Fields, NAS Whiting Field operates thirteen NOLFs supporting both fixed-wing and rotary-wing flight training. These fixed-wing fields are NOLFs Brewton, Evergreen, Wolf, Holley, Choctaw, Barin, Summerdale, Silverhill. The rotary-wing NOLFS are Harold, Santa Rosa, Site 8, Spencer and Pace.</p> <p>Currently, the only NOLFs that have sufficient runway length to accommodate T-6 solo operations are Brewton and Choctaw. NOLF Evergreen will meet the solo operation requirements with FY08 project, MILCON P-252. NOLF Barin has two 4,000 foot runways sufficient for dual operations, however, additional 1,000 foot extensions are required for solo operation capability. NOLF Summerdale has 2,850 foot runways, however, additional 1,150 foot extensions are required for dual operation capability. This project will complete the Navy's requirement for solo and dual operation requirements in the South Military Operating Area.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>The availability, diversity, and geographical orientation of solo airfields will become inadequate as the transition from the T-34 to the new T-6 progresses, jeopardizing mission readiness and flight training. By end of 2015 the transition to the JPATS trainer will be complete. If this project construction is complete during the early phases of the transition, the mission to train new pilots utilizing the new JPATS system will be successful. If the project is not executed, the Navy's future training mission at NAS Whiting Field will be critically impaired.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2008
(B) Date 35% Design or Parametric Cost Estimate complete				01/2009
(C) Date design completed				07/2010
(D) Percent completed as of September 2009				50%

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N60508(AR) NAS WHITING FLD MILTON FL (NOLF SUMMERDALE) SUMMERDALE, ALABAMA			4. Project Title T-6 Solo Capable Outlying Landing Field	
5. Program Element 0212176N	6. Category Code 11110	7. Project Number P266	8. Project Cost (\$000) 29,082	
(E) Percent completed as of January 2010				70%
(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				Yes
(B) Where design was previously used				P252, NOLF Evergreen 2008
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$250
(C) Total				\$850
(D) Contract				\$700
(E) In-house				\$150
4. Contract award:				02/2011
5. Construction start:				03/2011
6. Construction complete:				07/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp or Requested Cost (\$000)</u>		
Government furnished Navaid equipment		OPN	2011	200
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Dave Garner - NAS Whiting Field		Phone No: 850-983-9102		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: M62974 MCAS YUMA AZ YUMA, ARIZONA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index 1.29				
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-09	64	676	666	75	29	0	369	3060	478
B. End FY 2014	63	635	666	75	29	0	362	2741	484	5055
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(8477 Acres)										
B. INVENTORY AS OF 30 SEP 2009 2,013,050										
C. AUTHORIZATION NOT YET IN INVENTORY 60,376										
D. AUTHORIZATION REQUESTED IN THIS PROGRAM 285,060										
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 233,662										
F. PLANNED IN NEXT THREE PROGRAM YEARS 132,341										
G. REMAINING DEFICIENCY 241,803										
H. GRAND TOTAL 2,966,292										
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>					
21105	Aircraft Maintenance Hangar	08/2009	06/2010	59315 m2	40,600					
21105	Aircraft Maintenance Hangar	07/2009	06/2010	70261 m2	63,280					
17135	Simulator Facility	07/2009	06/2010	4013 m2	36,060					
83210	Utilities Infrastructure Upgrades	07/2009	08/2010	0 LS	44,320					
21860	Intermediate Maintenance Activity Facility	08/2009	06/2010	0 LS	21,480					
11665	Van Pad Complex Relocation	09/2009	08/2010	14116 m2	15,590					
13120	Communications Infrastructure Upgrade	07/2009	08/2010	3596 m2	63,730					
TOTAL										285,060
9. Future Projects:										
A. Included In The Following Program:										
14320 EOD Facility Consolidation 6,458										
11320 Hangar/Apron 40,280										
21105 Aircraft Maintenance Hangar 101,207										
13636 Field Carrier Landing Field 85,717										
TOTAL										233,662
B. Major Planned Next Three Years:										
21105 Aircraft Maintenance Hangar 59,498										
74044 Physical Fitness Center Addition 23,310										
21106 Hangar 49,533										
TOTAL										132,341
C. R&M Unfunded Requirement (\$000): 31,616										
10. Mission or Major Functions:										
To maintain and operate facilities and provide services and material to support operations of a Marine Aircraft Wing and other activities and units										

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M62974 MCAS YUMA AZ YUMA, ARIZONA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.29
as designated by the Commandant of the Marine Corps in consultation with the Chief of Naval Operations.		
11. Outstanding Pollution and Safety Deficiencies (\$000): A. Pollution Abatement (*): 0 B. Occupational Safety and Health(OSH) (#): 0		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P447A	8. Project Cost (\$000) 40,600	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AIRCRAFT MAINTENANCE HANGAR (638,461 SF)	m2	59,315		31,330
AIRCRAFT PARKING APRON (617,579 SF)	m2	57,375	169.11	(9,700)
STORAGE AREA (1,507 SF)	m2	140	1,825.67	(260)
MAINTENANCE HANGAR (17,244 SF)	m2	1,602	8,358.25	(13,390)
MAINTENANCE ADMIN - SAP-F (2,131 SF)	m2	198	5,806.55	(1,150)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(160)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,400)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
BUILT-IN EQUIPMENT	LS			(3,560)
SPECIAL COSTS	LS			(1,700)
SUPPORTING FACILITIES				5,250
SPECIAL CONSTRUCTION FEATURES	LS			(430)
MECHANICAL UTILITIES	LS			(20)
DEMOLITION	LS			(160)
PAVING AND SITE IMPROVEMENTS	LS			(3,590)
SPECIAL FOUNDATION FEATURES	LS			(760)
ELECTRICAL UTILITIES	LS			(60)
ANTI-TERRORISM/FORCE PROTECTION	LS			(190)
SITE PREPARATIONS	LS			(40)
SUBTOTAL				36,580
CONTINGENCY (5%)				1,830
TOTAL CONTRACT COST				38,410
SIOH (5.7%)				2,190
SUBTOTAL				40,600
TOTAL REQUEST ROUNDED				40,600
TOTAL REQUEST				40,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,210)

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P447A	8. Project Cost (\$000) 40,600	
10. Description of Proposed Construction:				
<p>Construct a concrete masonry unit maintenance hangar addition on reinforced concrete slab on grade foundation with structural steel framing, steel roof trusses and pre-finished insulated metal roof. Building will provide additional hangar bay, maintenance shop, and administrative and operations offices to support the operational requirements of the Joint Strike Fighter F-35 (JSF F-35) aircraft. Portions of the facility will be constructed and certified for secure handling and storage of classified material and components up to Top Secret/Special Access Program Facility classifications. Construct an aircraft parking apron extending to Hangar 95 with heat resistant sections for extreme temperature JSF F-35 exhaust. Special costs include heat resistant concrete pads for the apron. Built-in equipment includes a 7.5 ton bridge crane, waterless fire suppression, compressed air lines, transformer vaults, six aircraft maintenance work stations at the apron and six stations in the hangar bay, and two exterior hangar service stations. Service stations provide electrical power, HVAC cooling system to aircraft, and communication utilities. Project also includes operation and maintenance support information and information systems.</p> <p>This project includes site and building utility connections including water, telephone, electrical, sanitary and storm sewers, natural gas, and local area network. Special construction features include a storage facility. Special foundation features include mat foundation. Electrical systems include telephone, AC and DC electrical distribution including transformer, interior and exterior lighting (including taxiway/apron lighting), fire alarm. Mechanical systems include heating, ventilation and air conditioning, plumbing, and fire protection system. Paving and site improvements include vehicle parking lot and paved roadway, sidewalks, site excavation, grading, landscaping and storm water management. Project includes demolition of taxiway "C" and roadway.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
11. Requirement: <u>59,175 m2</u> Adequate: Substandard:				
PROJECT:				
Upgrades existing Legacy aircraft maintenance hangar to a fully capable JSF F-35 maintenance hangar using new construction.				
(New Mission)				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P447A	8. Project Cost (\$000) 40,600	
REQUIREMENT: The JSF F-35 requires aircraft maintenance hangar facilities. This project will construct an addition to the hangar to be provided by FY 2010 P-447 to provide a fully capable JSF F-35 hangar.				
CURRENT SITUATION: There is no JSF F-35 capable maintenance hangar aboard MCAS Yuma.				
IMPACT IF NOT PROVIDED: The new JSF F-35 squadrons will be unable to fulfill their assigned missions at MCAS Yuma if the hangar facility is not constructed.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				35%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$220
(B) All other design costs				\$200
(C) Total				\$420
(D) Contract				\$420
(E) In-house				\$0
4. Contract award:				12/2010
5. Construction start:				01/2011
6. Construction complete:				05/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Collateral Equipment		O&MMC	2012	860
Physical Security Equipment		PMC	2012	350
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P447A	8. Project Cost (\$000) 40,600	
<p>has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p> <p>Activity POC: Richard A. Samrah, AIA Phone No: 928.269.3163</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P460	8. Project Cost (\$000) 63,280	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AIRCRAFT MAINTENANCE HANGAR (756,283 SF)	m2	70,261		45,660
AIRCRAFT TAXIWAY (120,771 SF)	m2	11,220	147.49	(1,650)
MAINTENANCE ADMIN - GEN (11,388 SF)	m2	1,058	5,806.55	(6,140)
MAINTENANCE BAY (24,445 SF)	m2	2,271	5,193.69	(11,790)
AIRCRAFT PARKING APRON (582,586 SF)	m2	54,124	169.19	(9,160)
STORAGE AREA (1,507 SF)	m2	140	1,825.67	(260)
MAINTENANCE SHOPS (13,455 SF)	m2	1,250	4,799.34	(6,000)
MAINTENANCE ADMIN - SAP-F (2,131 SF)	m2	198	5,806.55	(1,150)
BUILT-IN EQUIPMENT	LS			(5,380)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,400)
SPECIAL COSTS	LS			(2,240)
ANTI-TERRORISM/FORCE PROTECTION	LS			(70)
INFORMATION SYSTEMS	LS			(190)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(230)
SUPPORTING FACILITIES				9,380
DEMOLITION	LS			(1,260)
ELECTRICAL UTILITIES	LS			(1,610)
SITE PREPARATIONS	LS			(100)
SPECIAL CONSTRUCTION FEATURES	LS			(430)
PAVING AND SITE IMPROVEMENTS	LS			(5,780)
ANTI-TERRORISM/FORCE PROTECTION	LS			(180)
MECHANICAL UTILITIES	LS			(20)
SUBTOTAL				55,040
CONTINGENCY (5%)				2,750
TOTAL CONTRACT COST				57,790
SIOH (5.7%)				3,290
SUBTOTAL				61,080
DESIGN/BUILD - DESIGN COST				2,200

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P460	8. Project Cost (\$000) 63,280	
TOTAL REQUEST ROUNDED				63,280
TOTAL REQUEST				63,280
EQUIPMENT FROM OTHER				(1,950)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Construct a Concrete Masonry Unit (CMU) building on reinforced concrete slab on grade foundation with structural steel framing, steel roof trusses and pre-finished insulated metal roof. Building will provide a hangar bay, maintenance shop, and administrative and operations offices for home-ported Marine Attack Squadron. Construct an aircraft parking apron and aircraft taxiway of reinforced concrete with heat resistant sections for Joint Strike Fighter F-35 (JSF F-35) extreme temperature exhaust. Built-in equipment includes one hydraulic elevator and one bridge crane. Electrical systems include telephone, information systems, AC and DC electrical distribution, intrusion detection system, interior and exterior lighting including taxiway/apron and fire alarm. Mechanical systems include HVAC, plumbing, hangar bay aircraft cooling system, hangar bay aircraft heat extraction system and fire protection system. Special costs includes Special Access Program Facility construction cost throughout the facility.</p> <p>Supporting facilities includes site and building utility connections (water, telephone, electrical, sanitary and storm sewers, natural gas, Secure Internet, NGEN support and local area networks. Paving and site improvements include hangar access apron, vehicle parking lot, paved roadway, sidewalks, site excavation, grading, landscaping and storm water management. Project also includes operation and maintenance support information.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
11. Requirement: <u>544,831 m2</u> Adequate: <u>325,212 m2</u> Substandard:				
PROJECT:				
This project constructs a new Aircraft Maintenance Hangar, aircraft taxiway and parking apron.				
(New Mission)				
REQUIREMENT:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P460	8. Project Cost (\$000) 63,280	
<p>Two additional fleet squadrons will be assigned to MCAS Yuma in 2012 and 2013, bringing the total number of Marine Aircraft Group (MAG-13) squadrons to six. A JSF F-35 hangar is required to support this new mission aboard the Airstation.</p> <p>CURRENT SITUATION: MCAS Yuma does not have available hangars to house the two newly assigned JSF squadrons. This new JSF F-35 hangar is required to support the new mission requirements. Current hangar space is insufficient and inadequate to support the JSF.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided the new JSF F-35 squadrons will not have the required hangar to perform their mission. Lack of adequate hangar and aircraft parking space will reduce the effectiveness of the Marine Aviation Weapons and Tactics Squadron-1 semi-annual Weapons Training Instructors course, a large-scale training evolution that trains pilots to become instructors in aerial combat.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$500
(B) All other design costs				\$200
(C) Total				\$700
(D) Contract				\$700
(E) In-house				\$0
4. Contract award:				01/2011
5. Construction start:				04/2011
6. Construction complete:				05/2012
B. Equipment associated with this project which will be provided from other appropriations:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P460	8. Project Cost (\$000) 63,280	
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Approp</u>	<u>FY Approp</u> <u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment	O&MMC	2011	1,600	
Physical Security Equipment	PMC	2011	350	
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.				
Activity POC: Richard Samrah		Phone No: 928-269-3163		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Simulator Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P533	8. Project Cost (\$000) 36,060	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SIMULATOR FACILITY (43,196 SF)	m2	4,013		28,400
OPERATIONAL TRAINER FACILITY (43,196 SF)	m2	4,013	5,474.7	(21,970)
SPECIAL COSTS	LS			(2,330)
ANTI-TERRORISM/FORCE PROTECTION	LS			(220)
BUILT-IN EQUIPMENT	LS			(2,830)
LEED AND EPACT 2005 COMPLIANCE	LS			(660)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(390)
SUPPORTING FACILITIES				2,960
SPECIAL FOUNDATION FEATURES	LS			(450)
DEMOLITION	LS			(140)
PAVING AND SITE IMPROVEMENTS	LS			(450)
MECHANICAL UTILITIES	LS			(350)
SITE PREPARATIONS	LS			(710)
ELECTRICAL UTILITIES	LS			(850)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
SUBTOTAL				31,360
CONTINGENCY (5%)				1,570
TOTAL CONTRACT COST				32,930
SIOH (5.7%)				1,880
SUBTOTAL				34,810
DESIGN/BUILD - DESIGN COST				1,250
TOTAL REQUEST ROUNDED				36,060
TOTAL REQUEST				36,060
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(73,535)
10. Description of Proposed Construction:				
Construct an Joint Strike Fighter F-35 (JSF F-35) Simulator Facility to support fielding of this aircraft and its revised flight operations. The new facility will be a single-story reinforced concrete masonry unit building with seismic upgrades, reinforced concrete slab and floors, structural steel framing, standing seam metal roof, and structural elements				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Simulator Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P533	8. Project Cost (\$000) 36,060	
REQUIREMENT:				
<p>Marine Corps Air Station (MCAS) Yuma anticipates the basing of the JSF F-35 consisting of six squadrons which begin arriving in 2012. This project is needed to provide pilot training and proficiency in support of the JSF F-35 new weapons system and adequate and efficiently configured facilities are required to house the new JSF F-35 simulators that will be utilized at the airfield. The new simulator facility is necessary to support fielding of this aircraft and its revised flight operations. The new concept of operation includes increased use of simulators to support pilot training and mission planning.</p> <p>Simulators for this facility are provided by Naval Air Systems Command, Training Systems Division.</p>				
CURRENT SITUATION:				
<p>MCAS Yuma currently supports four permanently assigned AV-8B squadrons and many types of aircraft flown by the Marine Corps, Navy, Air Force and Army during transient visits to conduct training. The JSF F-35 new weapons system requires specific and unique modifications to the base infrastructure. The existing simulator facility was not designed for the JSF F-35 simulators. The JSF F-35 simulators require facilities designed to meet their unique dimension and security requirements.</p>				
IMPACT IF NOT PROVIDED:				
<p>The current simulator facilities cannot support the dimension and security requirements of the JSF F-35 simulators, and the existing simulators must be maintained during the transition to the new JSF F-35 aircraft. This project is required to support training of the JSF F-35 squadron pilots scheduled to arrive at MCAS Yuma. Under the training concept for the JSF F-35, approximately 50% of all training missions will be flown in the simulators. This approach allows for reduced long-term operations and maintenance costs, increases safety for pilots, and decreases wear and tear on the airframes.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				35%
(F) Type of design contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010																				
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Simulator Facility																					
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P533	8. Project Cost (\$000) 36,060																					
<p>2. Basis:</p> <p>(A) Standard or Definitive Design No</p> <p>(B) Where design was previously used N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications \$320</p> <p>(B) All other design costs \$200</p> <p>(C) Total \$520</p> <p>(D) Contract \$520</p> <p>(E) In-house \$0</p> <p>4. Contract award: 12/2010</p> <p>5. Construction start: 03/2011</p> <p>6. Construction complete: 12/2012</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment</td> <td>O&MMC</td> <td>2011</td> <td>1,185</td> </tr> <tr> <td>JSF Flight Simulators</td> <td>APN</td> <td>2011</td> <td>72,000</td> </tr> <tr> <td>Physical Security Equipment</td> <td>PMC</td> <td>2011</td> <td>350</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p> <p>Activity POC: Richard A. Samrah, AIA Phone No: 928.269.3163</p>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Collateral Equipment	O&MMC	2011	1,185	JSF Flight Simulators	APN	2011	72,000	Physical Security Equipment	PMC	2011	350
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																						
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>																					
Collateral Equipment	O&MMC	2011	1,185																					
JSF Flight Simulators	APN	2011	72,000																					
Physical Security Equipment	PMC	2011	350																					

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Utilities Infrastructure Upgrades	
5. Program Element 0206496M	6. Category Code 83210	7. Project Number P546	8. Project Cost (\$000) 44,320	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UTILITIES INFRASTRUCTURE UPGRADES	LS			37,840
NATURAL GAS DISTRIBUTION UPGRADE (6,056 LF)	m	1,846	189.82	(350)
ELECTRIC POWER UPGRADE (25,364 LF)	m	7,731	1,376.51	(10,640)
MOBILE PROCESSING FACILITY	LS			(640)
O'NEILL STREET UPGRADE (239,572 SF)	m2	22,257	74.91	(1,670)
STORM WATER RETENTION POND	EA	1	174,817	(170)
SANITARY SEWER UPGRADE (19,446 LF)	m	5,927	214.18	(1,270)
POTABLE WATER DISTRIBUTION UPGRADE (29,902 LF)	m	9,114	1,443.17	(13,150)
STORM WATER UPGRADE (11,070 LF)	m	3,374	2,570	(8,670)
SPECIAL COSTS	LS			(640)
LEED AND EPACT 2005 COMPLIANCE	LS			(220)
ANTI-TERRORISM/FORCE PROTECTION	LS			(180)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(240)
SUPPORTING FACILITIES				700
DEMOLITION	LS			(390)
SITE PREPARATIONS	LS			(310)
SUBTOTAL				38,540
CONTINGENCY (5%)				1,930
TOTAL CONTRACT COST				40,470
SIOH (5.7%)				2,310
SUBTOTAL				42,780
DESIGN/BUILD - DESIGN COST				1,540
TOTAL REQUEST ROUNDED				44,320
TOTAL REQUEST				44,320
10. Description of Proposed Construction:				
The project will remove existing water storage tank located off Smedley Street and construct a new 1.5 million gallon concrete potable water				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Utilities Infrastructure Upgrades	
5. Program Element 0206496M	6. Category Code 83210	7. Project Number P546	8. Project Cost (\$000) 44,320	
<p>storage tank. A new potable water distribution line from the new reservoir will service the maintenance hangars along O'Neill St. This project will also demolish and replace existing water distribution lines. The potable water distribution improvements will have valves for cross-connection control.</p> <p>Relocation and upgrades to existing sewer collection systems are necessary. This includes introducing sanitary sewer lines from new Joint Strike Fighter (JSF) hangar facilities which will tie into existing sewer lines that feed into the city of Yuma collection system. Construction includes running new gravity and force lines from new hangars to existing lines. These existing lines taking on the increased loading from the hangars will be upgraded to larger pipe diameters. New sanitary sewer manholes will be necessary at every new tie-in and at every bend.</p> <p>Provide a new 69 kilovolt (kV) power service from East County 14th Street. Install new substation off of E County 13th. Relocate exiting switch station at the intersection of Marontate Road and O'Neill Street to the new substation. New switch station will feed existing circuits. Provide new circuit for the new hangars and JSF.</p> <p>Install a stormwater collection system including retention pond, drop basins, and drop inlets to support maintenance hangar facilities.</p> <p>Re-align O'Neill Street in North-South direction around the new hangar, add privately owned vehicle parking lots, sidewalks, and new utilities. Relocate the Mobility Processing Facility to the east of the proposed realignment of O'Neill Street. Mobility Processing Facility includes paving, fencing, gates, and exterior lighting.</p> <p>Special Costs includes Arizona gross receipts tax.</p>				
11. Requirement: <u>22,772 m</u> Adequate: Substandard: PROJECT: Remove water storage tank located off Smedley Street and replace with a 1.5 Million gallon tank designed to meet applicable seismic codes. Upgrade existing water distribution system including replacement of necessary pipes, valves, backflow preventers and fire hydrants. Relocate and upgrade existing sewer collection systems. Construction includes running new gravity and force mains from new hangars to existing lines. New sanitary sewer manholes as well as sewer lift stations will be provided. Provide a new 69 kV power service from E Co 14th Street. Install new				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Utilities Infrastructure Upgrades	
5. Program Element 0206496M	6. Category Code 83210	7. Project Number P546	8. Project Cost (\$000) 44,320	
<p>substation off of E County 13th. Relocate existing switch station and provide new circuit for the new hangers.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>Upgrade existing water storage and provide additional potable water storage to meet Unified Facilities Criteria and State of Arizona required water storage requirement and fire fighting reserve required for hangars. Relocate and upgrade existing water distribution and sewer collection systems in direct support of the JSF hangar facilities. Install new sanitary sewer collection systems from hangar facilities, including new sanitary sewer lift station, and increase the capacity of existing sewer lines. Provide new 69 Kv power supply to power new JSF hangar facilities and apron. Install stormwater collection system including catch basins, drop inlets, and a retention pond.</p> <p>CURRENT SITUATION:</p> <p>To meet pipe-flow requirements it is necessary to replace aging pipes in the system. Many pipes have been capped at the end, but not at the main, causing standing water and potential back flow issues. MCAS Yuma has two aging potable water storage tanks that do not have lightning protection. Due to a height difference, the capacity of one tank is diminished by 115,000 gallons causing the water supply to be less than the requirement for worst-case situations and fire fighting reserves. The tanks have unnecessary equipment attached and natural debris that needs to be removed.</p> <p>To accommodate the increased loading, the existing sanitary sewer lift station must be upgraded. There are no sanitary sewer collection system lines near proposed hangar location, and the existing lines that lead out to The City of Yuma collection systems are not capable of handling increased loading.</p> <p>Existing 12.7 kV primary power facilities are at maximum capacity and will not be able to handle new power requirements of hangar facilities. MCAS Yuma currently does not have a stormwater collection system.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>MCAS Yuma will continue being impacted with low-pressure flow, or no flow through much of its water distribution system. Many of the pipes have leaks or are not performing to capacity. The deficiency in the amount of water that can be stored on base fails to meet the State of Arizona criteria, and fire fighting reserve requirements.</p> <p>MCAS Yuma does not have the sanitary sewer resources available to properly transport additional sewage. The sanitary sewer lift station needs to be</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Utilities Infrastructure Upgrades	
5. Program Element 0206496M	6. Category Code 83210	7. Project Number P546	8. Project Cost (\$000) 44,320	
<p>upgraded to be able to support increased loading. Existing sanitary sewer collection systems will not be capable of transporting additional loading at their present diameter.</p> <p>Without a new, larger source of power provided to the JSF hangar facilities, these buildings will not be functional.</p> <p>The base does not have a stormwater collection system. Without this system; stormwater runoff along new aprons, taxiways and building roofs may cause unsafe conditions. Additionally, standing water on roadways may lead to increased traffic accidents.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				08/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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				
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$450
(B) All other design costs				\$200
(C) Total				\$650
(D) Contract				\$650
(E) In-house				\$0
4. Contract award:				01/2011
5. Construction start:				04/2011
6. Construction complete:				05/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Utilities Infrastructure Upgrades	
5. Program Element 0206496M	6. Category Code 83210	7. Project Number P546	8. Project Cost (\$000) 44,320	
does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
<p>Activity POC: Richard A. Samrah, AIA Phone No: 928.269.3163</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Utilities Infrastructure Upgrades	
5. Program Element 0206496M	6. Category Code 83210	7. Project Number P546	8. Project Cost (\$000) 44,320	
Blank Page				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Intermediate Maintenance Activity Facility	
5. Program Element 0216496M	6. Category Code 21860	7. Project Number P573	8. Project Cost (\$000) 21,480	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
INTERMEDIATE MAINTENANCE ACTIVITY FACILITY	LS			10,100
INTERMEDIATE MAINT ACTIVITY (13,315 SF)	m2	1,237	2,171.33	(2,690)
GSE HOLD SHED (19,590 SF)	m2	1,820	1,221.34	(2,220)
AVIATION ARM EQUIPMENT SHED (1,593 SF)	m2	148	1,893.66	(280)
VEHICLE WASHRACK	EA	1	83,619.9	(80)
AVIATION ARM SHOP (4,392 SF)	m2	408	2,570.83	(1,050)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
BUILT-IN EQUIPMENT	LS			(620)
INFORMATION SYSTEMS	LS			(1,150)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
SPECIAL COSTS	LS			(1,260)
LEED AND EPACT 2005 COMPLIANCE	LS			(600)
SUPPORTING FACILITIES				8,580
MECHANICAL UTILITIES	LS			(460)
PAVING AND SITE IMPROVEMENTS	LS			(1,040)
SITE PREPARATIONS	LS			(1,720)
OUTSIDE COMMUNICATION LINES	LS			(70)
ELECTRICAL UTILITIES	LS			(1,730)
DEMOLITION	LS			(2,660)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
SPECIAL FOUNDATION FEATURES	LS			(850)
SUBTOTAL				18,680
CONTINGENCY (5%)				930
TOTAL CONTRACT COST				19,610
SIOH (5.7%)				1,120
SUBTOTAL				20,730
DESIGN/BUILD - DESIGN COST				750
TOTAL REQUEST ROUNDED				21,480

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Intermediate Maintenance Activity Facility	
5. Program Element 0216496M	6. Category Code 21860	7. Project Number P573	8. Project Cost (\$000) 21,480	
TOTAL REQUEST				21,480
EQUIPMENT FROM OTHER				(1,650)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Construct a single story Intermediate Maintenance Activity (IMA) facility of reinforced concrete masonry units (CMU) with seismic upgrades, concrete foundation, reinforced concrete floor slab, standing seam metal roof and separate telecommunications rooms for telephone and NGEN support. Electrical systems include fire alarms, mass notifications systems, energy saving electronic monitoring and control system, and information systems. Mechanical systems include plumbing, fire protection, compressed air, and HVAC.</p> <p>Supporting facilities includes storm water retention, electrical utilities (exterior lighting, electrical distribution to include telephone, local area network, cable television, and transformers), other utilities (water, sanitary sewer lateral to existing sanitary main, storm sewer to retention area, natural gas service), paving and site improvements, vehicle parking lot with concrete curb and gutters, concrete sidewalks, parking lot lighting, entrance drives and landscaping in compliance with the Station's base exterior architectural plan. Built-in equipment includes an overhead bridge crane. Project also includes operation and maintenance support information and information systems. Equipment storage area will include a vehicle washrack with concrete slab sloped to oil/water separator. Washrack will have high pressure water and steam lines. Equipment storage area to have CMU screenwall around reinforced concrete parking area. Demolition includes existing perimeter fencing and Bldg's 213, 214, 219, 203 and 215. Provide new security perimeter fencing to connect to existing perimeter security fencing.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
11. Requirement:				
		Adequate:	Substandard:	
PROJECT:				
<p>This project constructs an IMA facility with direct access to the flight line to provide maintenance operations to transient squadrons training at Marine Corps Air Station (MCAS), Yuma.</p> <p>(Current Mission)</p>				
REQUIREMENT:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Intermediate Maintenance Activity Facility	
5. Program Element 0216496M	6. Category Code 21860	7. Project Number P573	8. Project Cost (\$000) 21,480	
<p>To construct an IMA facility to provide service to all transient aircraft in a single area to meet the mission of MCAS, Yuma.</p> <p>CURRENT SITUATION:</p> <p>The existing IMA facilities are currently occupying critical real estate, best located for Hangar functionality. These facilities have to be demolished and relocated in order to construct P-535, Aircraft Maintenance Hangar, which will service all type, model, series rotary wing aircraft. This is critical to meet the MCAS Yuma Master Plan.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Existing IMA facility cannot handle the quantity and variety of aircraft transiting through the air station. If the existing IMA is not demolished, the area required for military construction project P-535 will not be available on the rotary wing flight line area. This would prevent the construction of the required new hangar which will service all type, model, series rotary wing aircraft.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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				
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$360
(B) All other design costs				\$180
(C) Total				\$540
(D) Contract				\$540
(E) In-house				\$0
4. Contract award:				03/2011
5. Construction start:				05/2011
6. Construction complete:				11/2012
B. Equipment associated with this project which will be provided from other appropriations:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Intermediate Maintenance Activity Facility	
5. Program Element 0216496M	6. Category Code 21860	7. Project Number P573	8. Project Cost (\$000) 21,480	
<u>Equipment</u> <u>Nomenclature</u>		<u>Procuring</u> <u>Approp</u>	<u>FY Approp</u> <u>or Requested</u>	<u>Cost (\$000)</u>
Collateral Equipment		O&MMC	2012	1,500
Physical Security Equipment		PMC	2012	150
JOINT USE CERTIFICATION: The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: RICHARD A. SAMRAH		Phone No: 928.269.3163		

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010	
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA				4. Project Title Van Pad Complex Relocation		
5. Program Element 0216496M		6. Category Code 11665	7. Project Number P578	8. Project Cost (\$000) 15,590		
9. COST ESTIMATES						
Item		UM	Quantity	Unit Cost	Cost(\$000)	
VAN PAD COMPLEX RELOCATION (151,943 SF)		m2	14,116		7,190	
UTILITY BUILDING (398 SF)		m2	37	1,730.66	(60)	
STORAGE ROOM (8,202 SF)		m2	762	1,542.31	(1,180)	
VAN PADS (142,945 SF)		m2	13,280	309.52	(4,110)	
ACCESS CONTROL FACILITY (398 SF)		m2	37	8,358.25	(310)	
ANTI-TERRORISM/FORCE PROTECTION		LS			(60)	
OPERATION & MAINTENANCE SUPP INFO (OMSI)		LS			(90)	
BUILT-IN EQUIPMENT		LS			(20)	
LEED AND EPACT 2005 COMPLIANCE		LS			(210)	
SPECIAL COSTS		LS			(1,150)	
SUPPORTING FACILITIES					6,860	
MECHANICAL UTILITIES		LS			(1,800)	
SITE PREPARATIONS		LS			(830)	
SPECIAL CONSTRUCTION FEATURES		LS			(110)	
ELECTRICAL UTILITIES		LS			(2,730)	
PAVING AND SITE IMPROVEMENTS		LS			(870)	
ANTI-TERRORISM/FORCE PROTECTION		LS			(10)	
SPECIAL FOUNDATION FEATURES		LS			(450)	
DEMOLITION		LS			(60)	
SUBTOTAL					14,050	
CONTINGENCY (5%)					700	
TOTAL CONTRACT COST					14,750	
SIOH (5.7%)					840	
SUBTOTAL					15,590	
TOTAL REQUEST ROUNDED					15,590	
TOTAL REQUEST					15,590	
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)					(250)	
10. Description of Proposed Construction:						

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Van Pad Complex Relocation	
5. Program Element 0216496M	6. Category Code 11665	7. Project Number P578	8. Project Cost (\$000) 15,590	
<p>This project relocates existing Marine Air Logistics Squadron 13 (MALS 13) van pad complex to accommodate construction of the pending Joint Strike Fighter F-35 (JSF F-35) simulation facility. The van pad complex includes eight van pads, one storage room, one utility room, fencing and utilities. The project constructs concrete van pads and concrete masonry unit buildings with seismic upgrades and concrete pilings. The project provides for electrical and mechanical systems including fire alarm and fire monitoring/control panels, information systems, energy management control systems (EMCS), plumbing, fire protection systems, and HVAC systems. Built-in equipment includes roll-up doors, passenger and freight elevators (one per building), overhead cranes (one per training bay), and emergency generators.</p> <p>Special costs include mobile facility grounding systems for each individual van pad, tie downs for the vans and sunshades for the vans. Project also includes Operation and Maintenance Support Information.</p> <p>Special construction features include chain link fencing and a motorized gate. Special foundation features include pile foundations.</p> <p>Electrical systems include communications, electrical distribution, relocation of an existing overhead electrical line, exterior lighting, transformers, and electrical equipment yard for emergency generators. Mechanical systems include water utilities, sanitary sewer utilities, sewer lift station, natural gas utilities, and EMCS.</p> <p>The project provides for site improvements consisting of roadways, parking, sidewalks, storm water drainage improvements, landscaping, and fencing. Site preparations include clearing and grubbing, excavation and grading, site clean-up and erosion control. Anti-terrorism and force protection features include security bollards.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
11. Requirement: <u>14,079 m2</u> Adequate: <input type="checkbox"/> Substandard: <input type="checkbox"/>				
PROJECT: Project constructs eight van pads, one storage building, one utility building, one access control facility, fencing, and utilities. This facility consists of a concrete pad and support structure to accommodate groups of relocatable tactical shelters or vans.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Van Pad Complex Relocation	
5. Program Element 0216496M	6. Category Code 11665	7. Project Number P578	8. Project Cost (\$000) 15,590	
(Current Mission)				
REQUIREMENT:				
Existing van pad complex must be demolished to accommodate construction of the pending JSF F-35 simulation facility. The new simulation facility is necessary to support fielding of the JSF F-35. A new van pad complex is required to provide MALS 13 with adequate and efficiently configured facilities to accomplish their assigned missions. The vans are relocatable tactical shelters that provide storage and support for a variety of equipment. The van pads provide a stable storage location with the necessary utility connections for maintenance and preparation of the equipment in the vans.				
CURRENT SITUATION:				
In order to meet the requirements associated with establishing the JSF F-35 at Marine Corps Air Station (MCAS) Yuma, the existing van pad complex must be demolished (and relocated) to accommodate construction of the pending JSF F-35 simulation facility. A new van pad complex is required to provide MALS 13 with adequate and efficiently configured facilities to accomplish their assigned missions.				
IMPACT IF NOT PROVIDED:				
MALS 13 will be unable to fulfill their assigned missions at MCAS Yuma if the Van Pad Complex is not relocated.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				08/2010
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$860
(B) All other design costs				\$230
(C) Total				\$1,090
(D) Contract				\$1,090
(E) In-house				\$0
4. Contract award:				12/2010

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Van Pad Complex Relocation	
5. Program Element 0216496M	6. Category Code 11665	7. Project Number P578	8. Project Cost (\$000) 15,590	
5. Construction start:		01/2011		
6. Construction complete:		12/2011		
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u> <u>FY Approp</u>		
<u>Nomenclature</u>		<u>Approp</u> <u>or Requested</u> <u>Cost (\$000)</u>		
Collateral Equipment		O&MMC	2011	250
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Richard A. Samrah, AIA		Phone No: 928.269.3163		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Communications Infrastructure Upgrade	
5. Program Element 0206496M	6. Category Code 13120	7. Project Number P583	8. Project Cost (\$000) 63,730	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
COMMUNICATIONS INFRASTRUCTURE UPGRADE (38,707 SF)	m2	3,596		27,130
COMMUNICATIONS CENTER (38,707 SF)	m2	3,596	6,546.95	(23,540)
LEED AND EPACT 2005 COMPLIANCE	LS			(540)
SPECIAL COSTS	LS			(2,680)
ANTI-TERRORISM/FORCE PROTECTION	LS			(180)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(190)
SUPPORTING FACILITIES				28,290
MECHANICAL UTILITIES	LS			(230)
SPECIAL FOUNDATION FEATURES	LS			(1,910)
PAVING AND SITE IMPROVEMENTS	LS			(720)
SPECIAL CONSTRUCTION FEATURES	LS			(600)
ELECTRICAL UTILITIES	LS			(24,170)
DEMOLITION	LS			(100)
SITE PREPARATIONS	LS			(560)
SUBTOTAL				55,420
CONTINGENCY (5%)				2,770
TOTAL CONTRACT COST				58,190
SIOH (5.7%)				3,320
SUBTOTAL				61,510
DESIGN/BUILD - DESIGN COST				2,220
TOTAL REQUEST ROUNDED				63,730
TOTAL REQUEST				63,730
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,690)
10. Description of Proposed Construction:				
Construct a communication facility and communication infrastructure (data and telephone) upgrade to support fielding of the Joint Strike Fighter F-35 (JSF F-35) aircraft, and its revised flight operations. The new communications facility will be a single-story reinforced concrete masonry unit building with seismic upgrades, pile foundations, reinforced concrete slab and floors, structural steel framing, steel truss and standing seam				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010	
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA				4. Project Title Communications Infrastructure Upgrade		
5. Program Element 0206496M		6. Category Code 13120	7. Project Number P583	8. Project Cost (\$000) 63,730		
<p>equipment, computers, and computer servers. The new facility is necessary to support fielding of this aircraft and its revised flight operations. The new concept of operation includes increased use of fiber optics to support pilot training and mission planning.</p> <p>CURRENT SITUATION:</p> <p>MCAS Yuma currently supports four permanently assigned AV-8B squadrons and most types of aircraft flown by the Marine Corps, Navy, Air Force and Army during transient visits to conduct training. The JSF F-35 new weapons system requires specific and unique modifications to the base infrastructure. The JSF F-35 requires updated facilities communication infrastructure, designed to meet their space and security requirements.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>The current communication facilities cannot support the space and security requirements of the JSF F-35. This project is required to support training of the JSF F-35 Squadron pilots scheduled to arrive at MCAS Yuma.</p>						
12. Supplemental Data:						
A. Estimated Design Data:						
1. Status:						
(A) Date design or Parametric Cost Estimate started						07/2009
(B) Date 35% Design or Parametric Cost Estimate complete						01/2010
(C) Date design completed						08/2010
(D) Percent completed as of September 2009						10%
(E) Percent completed as of January 2010						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						
(B) Where design was previously used						
3. Total Cost (C) = (A) + (B) = (D) + (E):						
(A) Production of plans and specifications						\$360
(B) All other design costs						\$200
(C) Total						\$560
(D) Contract						\$560
(E) In-house						\$0
4. Contract award:						01/2011
5. Construction start:						04/2011
6. Construction complete:						02/2012
B. Equipment associated with this project which will be provided from other appropriations:						
<u>Equipment</u>			<u>Procuring</u> <u>FY Approp</u>			

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Communications Infrastructure Upgrade	
5. Program Element 0206496M	6. Category Code 13120	7. Project Number P583	8. Project Cost (\$000) 63,730	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Collateral Equipment		O&MMC	2011	1,340
Physical Security Equipment		PMC	2011	350
JOINT USE CERTIFICATION:				
<p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p>				
Activity POC: Richard A. Samrah, AIA		Phone No: 928.269.3163		

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. Date 01 FEB 2010			
3. Installation and Location: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA			4. Command Commandant of the Marine Corps			5. Area Const Cost Index 1.13				
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
A. As Of 09-30-09		1	36	0	0	0	0	0	0	0
B. End FY 2014		2	13	0	0	0	0	0	0	0
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(Acres)										
B. INVENTORY AS OF 30 SEP 2009										0
C. AUTHORIZATION NOT YET IN INVENTORY										6,050
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										114,340
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										65,826
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										224,730
H. GRAND TOTAL										410,946
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>					
17120	CNATT/FRS - Aviation Training and BEQ	07/2009	05/2010	13017 m2	66,110					
21110	MALS-39 Maintenance Hangar Expansion	07/2009	06/2010	6990 m2	48,230					
							TOTAL	114,340		
9. Future Projects:										
A. Included In The Following Program:										
17136 Aviation Simulator Building										8,674
21106 MV-22 Double Hangar										38,571
11610 MV-22 Aviation Pavement										12,927
12150 MV-22 Aviation Fuel Storage										5,654
							TOTAL	65,826		
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										0
10. Mission or Major Functions:										
As a key component of the Commander, Marine Corps Air Bases, West, provides airfield facilities and material to support operations of the Third Marine Aircraft Wing Unit.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement (*):										0
B. Occupational Safety and Health(OSH) (#):										0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CAMP PENDLETON, CALIFORNIA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.13

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title CNATT/FRS - Aviation Training and BEQ	
5. Program Element 0216496M	6. Category Code 17120	7. Project Number P109	8. Project Cost (\$000) 66,110	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CNATT/FRS - AVIATION TRAINING AND BEQ (140,114 SF)	m2	13,017		50,160
CNATT TRAINING CENTER (120,900 SF)	m2	11,232	3,215.13	(36,110)
BARRACKS ADDITION (9,106 SF)	m2	846	3,623.22	(3,070)
CNATT ADMINISTRATION FACILITY (10,107 SF)	m2	939	3,040.23	(2,850)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1,050)
SPECIAL COSTS	LS			(2,170)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,240)
BUILT-IN EQUIPMENT	LS			(2,170)
INFORMATION SYSTEMS	LS			(790)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(710)
SUPPORTING FACILITIES				7,340
SITE PREPARATIONS	LS			(1,380)
ELECTRICAL UTILITIES	LS			(1,100)
MECHANICAL UTILITIES	LS			(790)
SPECIAL FOUNDATION FEATURES	LS			(1,700)
LEED AND FEDERAL ENERGY ACTS COMPLIANCE	LS			(800)
ENVIRONMENTAL MITIGATION	LS			(460)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
PAVING AND SITE IMPROVEMENTS	LS			(1,090)
SUBTOTAL				57,500
CONTINGENCY (5%)				2,880
TOTAL CONTRACT COST				60,380
SIOH (5.7%)				3,440
SUBTOTAL				63,820
DESIGN/BUILD - DESIGN COST				2,300
TOTAL REQUEST ROUNDED				66,120
TOTAL REQUEST				66,110
EQUIPMENT FROM OTHER				(5,986)

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title CNATT/FRS - Aviation Training and BEQ	
5. Program Element 0216496M	6. Category Code 17120	7. Project Number P109	8. Project Cost (\$000) 66,110	
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>This project constructs a Center for Naval Aviation Technical Training (CNATT) Complex comprised of high-rise applied instruction center and multi-story administrative facility. A barracks addition is provided to Building 22211. The project constructs concrete masonry unit buildings with seismic upgrades, concrete pilings, spread beam foundations and standing seam metal roofs. The project provides for electrical and mechanical systems including fire alarm and fire monitoring/control panels, information systems, energy management control system (EMCS), direct digital controls, plumbing, fire protection systems, and HVAC. The CNATT Complex provides adequate NGEN Support for the administration, training, and barracks. The public area of the project must comply with Americans with Disabilities Act regulations.</p> <p>Project also includes operation and maintenance support information and built-in equipment for passenger and freight elevators (one per building), overhead cranes (one per training bay), and emergency generators. Information systems include wiring for fiber optics, public address systems, cable television, and secret internet protocol router network premium. The project provides for special costs for photovoltaic cells.</p> <p>The project will conform to anti-terrorism/force protection (ATFP) standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>The project includes special foundation features of retaining wall and fill and pile foundation. Electrical systems include communications, electrical distribution, relocation of an existing overhead electrical line, exterior lighting, transformers, and electrical equipment yard for emergency generators. Mechanical systems include water utilities, sanitary sewer utilities, sewer lift station, natural gas utilities, and EMCS.</p> <p>Site improvements include roads, parking, sidewalks, landscaping, athletic courts, fencing, and flag pole. Site preparations include clearing and grubbing, excavation and grading, borrow material, site clean-up and erosion control. Supporting facility LEED features such as pedestrian and bicycling features, stormwater drainage improvements and stormwater pollution prevention plan, and special features for low impact design.</p> <p>The project provides mitigation for natural, cultural and environmental</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title CNATT/FRS - Aviation Training and BEQ	
5. Program Element 0216496M	6. Category Code 17120	7. Project Number P109	8. Project Cost (\$000) 66,110	
resources impacted by construction including wetlands and endangered species mitigation.				
11. Requirement: <u>12,861 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: The project constructs a CNATT Complex comprised of a high-rise applied instruction center and a multi-story administrative facility. A barracks addition is provided to Building 22211 to support the 100% increase in CNATT student throughput supporting the Grow the Force increased end-strength of the Marine Corps. After the completion of the CNATT facility, the Fleet Replacement Squadron Marine Light Attack Helicopter Training Squadron 303 (HMLA/T-303) will move into the vacated CNATT spaces. (New Mission) REQUIREMENT: Adequate applied instruction space and administrative facilities are required to support the 100% increase in CNATT student throughput at Marine Corps Air Station (MCAS) Camp Pendleton. The CNATT's mission is to develop, deliver, and support aviation technical training necessary to meet validated Fleet requirements through a continuum of professional growth for Marines. The center is responsible for curriculum and educational tools, as well as developing training solutions and professional development for aviation ratings, airman, related aviation maintenance officer training, and training for Marine Corps aviation Military Occupational Specialties (MOS) requirements. Five bays sized to accommodate CMTs, computer based classrooms, engine shops laboratories, an armament shop, a tool room, learning resource center, administrative space, and instructor space comprise the facilities required to meet the CNATT mission. In addition, the 100% increase in students requires a 36 person barracks addition to an existing barracks in the Chappo (22) Area. CURRENT SITUATION: CNATT provides training for all aviation mechanics that repair H-1 aircraft (Huey and Cobra helicopters) for Marine Aircraft Group 39, 1st Marine Expeditionary Force (I MEF), II MEF, and III MEF. Currently, CNATT resides in facilities in MCAS Camp Pendleton and in Chappo (22 Area) at the MCB Camp Pendleton. As the MOS-producing school for five MOS, CNATT performs training throughout the year for up to 200 students in 23 classrooms and several laboratories and several high bay Composite Maintenance Trainer (CMT) spaces. Student throughput increases to 400 students. The increase in				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title CNATT/FRS - Aviation Training and BEQ	
5. Program Element 0216496M	6. Category Code 17120	7. Project Number P109	8. Project Cost (\$000) 66,110	
<p>students results in similar increases to the number of instructors and CMT and training spaces. The existing training and administrative spaces are too small to accommodate the increase in student throughput, instructors, and CMT's and other training equipment.</p> <p>CNATT currently provides training in the high bay spaces. The high bay spaces are located in a converted hangar on the flightline at MCAS Camp Pendleton. This converted hangar represents valuable hangar space on the flightline that should be utilized by the Fleet Replacement Squadron, Marine Helicopter Training Squadron (HMT) 303. It is not required that CNATT be located on the flightline, but HMT 303 is required to be located there. HMT 303 is also increasing in size, receiving an additional 14 aircraft, 20 officers, and 260 enlisted personnel.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If this project is not provided, CNATT will not have the capability to train or house the additional 100% personnel increase. This will result in aircraft degradation for all three MEFs, thus lessening war fighting capabilities for the Marine Corps. This growth is attributed to the Grow the Force initiative.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				15%
(E) Percent completed as of January 2010				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				
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$800
(B) All other design costs				\$150
(C) Total				\$950
(D) Contract				\$800
(E) In-house				\$150
4. Contract award:				03/2011
5. Construction start:				06/2011
6. Construction complete:				06/2013

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title CNATT/FRS - Aviation Training and BEQ	
5. Program Element 0216496M	6. Category Code 17120	7. Project Number P109	8. Project Cost (\$000) 66,110	
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Collateral Equipment		PMC	2012	5,986
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Linda Jones			Phone No: (760) 725-0392	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title CNATT/FRS - Aviation Training and BEQ	
5. Program Element 0216496M	6. Category Code 17120	7. Project Number P109	8. Project Cost (\$000) 66,110	
<p>Blank Page</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title MALS-39 Maintenance Hangar Expansion	
5. Program Element 0216496M	6. Category Code 21110	7. Project Number P111	8. Project Cost (\$000) 48,230	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MALS-39 MAINTENANCE HANGAR EXPANSION (75,240 SF)	m2	6,990		31,950
ARMORY (7,244 SF)	m2	673	3,409.9	(2,290)
WAREHOUSE (29,999 SF)	m2	2,787	2,326.98	(6,490)
MAINTENANCE HANGAR (37,997 SF)	m2	3,530	4,061.41	(14,340)
LEED AND EPACT 2005 COMPLIANCE SPECIAL COSTS	LS			(1,350)
INFORMATION SYSTEMS	LS			(2,940)
ANTI-TERRORISM/FORCE PROTECTION	LS			(370)
BUILT-IN EQUIPMENT	LS			(440)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(3,300)
SUPPORTING FACILITIES				(430)
LEED AND FEDERAL ENERGY ACT COMPLIANCE	LS			9,990
MECHANICAL UTILITIES	LS			(1,450)
DEMOLITION	LS			(1,310)
PAVING AND SITE IMPROVEMENTS	LS			(200)
SITE PREPARATIONS	LS			(1,010)
SPECIAL CONSTRUCTION FEATURES	LS			(530)
SPECIAL FOUNDATION FEATURES	LS			(750)
ELECTRICAL UTILITIES	LS			(2,170)
ENVIRONMENTAL MITIGATION	LS			(1,980)
ANTI-TERRORISM/FORCE PROTECTION	LS			(470)
SUBTOTAL				(120)
CONTINGENCY (5%)				41,940
TOTAL CONTRACT COST				2,100
SIOH (5.7%)				44,040
SUBTOTAL				2,510
DESIGN/BUILD - DESIGN COST				46,550
TOTAL REQUEST ROUNDED				1,680
TOTAL REQUEST				48,230
				48,230

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title MALS-39 Maintenance Hangar Expansion	
5. Program Element 0216496M	6. Category Code 21110	7. Project Number P111	8. Project Cost (\$000) 48,230	
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(4,148)
10. Description of Proposed Construction:				
<p>This project constructs a high-bay maintenance hangar and an armory with covered cleaning area at Marine Corps Air Station (MCAS) Camp Pendleton. The project constructs a warehouse in Chappo (22/24 Area) at Marine Corps Base Camp Pendleton for Marine Aircraft Group 39 (MAG-39). The project constructs concrete masonry unit buildings with seismic upgrades, concrete pile and beam foundations, and standing seam metal roofs. The project provides for electrical and mechanical systems including fire alarm and fire monitoring/control panels, information systems, energy management control systems (EMCS), direct digital controls, plumbing, fire protection systems, and HVAC. The project includes NGEN support closets, and an intrusion detection system. Telecommunications rooms provide for telecommunications functions including Next Generation Intranet (NGEN) support and HVAC for NGEN support. The project provides construction designed in compliance with current seismic requirements. The public areas of the project must comply with Americans with Disabilities Act regulations.</p> <p>Project also includes operation and maintenance support information and built-in equipment for industrial ventilation system, paint booth, omni-directional overhead cranes and rails, built-in weapons storage racks on rails, and emergency generators. Information systems include fiber optics wiring, and public address systems.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>The project provides for special costs for photovoltaic cells and temporary facilities for Marine Aviation Logistics Squadron (MALS) during construction. The project provides for foreign object damage control and airfield safety criteria compliance. Special foundation features provide for pile foundations.</p> <p>Electrical systems include communications, electrical distribution, exterior lighting, transformers, imported fill for backfill, and electrical equipment yard to house the emergency generators. Mechanical systems include water utilities, sanitary sewer utilities, sewer lift station, gas utilities, an EMCS, and an equipment yard for a central plant.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title MALS-39 Maintenance Hangar Expansion	
5. Program Element 0216496M	6. Category Code 21110	7. Project Number P111	8. Project Cost (\$000) 48,230	
<p>The project provides for site improvements consisting of roadways, parking, sidewalks and concrete pads, fencing, landscaping, and trash enclosure. Site preparation includes excavation / grading, clearing and grubbing, borrow and site cleanup. Temporary facilities are included in the project and Building 23101 will be demolished. LEED features include stormwater drainage improvements including storm sewer, manholes, catch basins, swales and paving, filtration system, stormwater pollution prevention plan and erosion control best management practices, and low impact development.</p> <p>The project provides mitigation for natural, cultural and environmental resources impacted by construction at Camp Pendleton. The new site for the warehouse is adjacent to known contaminated sites, and utility connections will be affected. Contaminated soil and water from the utility lines will require special removal and disposal.</p>				
11. Requirement: <u>8,875 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: This project constructs a high-bay maintenance hangar and an armory at MCAS Camp Pendleton. The project constructs a warehouse in Chappo (22/24 Area) at Marine Corps Base Camp Pendleton for MAG-39. This project supports the increased requirement for small arms weapons, aircraft maintenance, and aircraft parts warehousing. The project demolishes the existing armory (Building 23101) at the air station. (New Mission)				
REQUIREMENT: Adequate aircraft maintenance and repair facilities are required to support MALS-39 and Naval Aviation Depot (NADEP) mission at MCAS Camp Pendleton. MALS-39, with support of NADEP, provides the aviation supply and intermediate level aircraft maintenance, avionics, and ordinance support for nine flying squadrons. Additionally, whenever the flying squadrons deploy, whether in the United States or overseas, MALS-39 augments these squadrons with its Marines to ensure optimum aviation logistics support. The increase in storage space is required for MALS-39 aircraft parts associated with the additional H-1 aircraft. In addition, the new armory is required due to the increased the number and size of small arms weapons.				
CURRENT SITUATION: Increase in mission of 140 personnel and 15 aircraft from the new Integrated Maintenance Process (IMP) and NADEP level of maintenance on the H-1 aircraft leave MALS-39, NAPEP, and contractor personnel insufficient space. The increase in maintenance needs associated with the IMP cannot be accommodated within the existing permanent facilities.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title MALS-39 Maintenance Hangar Expansion	
5. Program Element 0216496M	6. Category Code 21110	7. Project Number P111	8. Project Cost (\$000) 48,230	
<p>MALS-39 and MAG-39 utilize Buildings 23122 and 23194 for storage. These facilities are utilized to the fullest capacity. The additional storage requirements from the new H-1 aircraft cannot be accommodated in these existing facilities.</p> <p>The existing armory at MCAS Camp Pendleton is located in Building 23101. Increased numbers of small arms and larger small arms per rank require a larger armory. The current facility is located next to the main road and does not comply with anti-terrorism/force protection and physical security regulations.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Failure to provide essential maintenance facilities for MALS-39 may result in delays in performing routine and emergency maintenance of aircraft. MALS-39 and NADEP will continue to operate in crowded dispersed facilities, including inadequate and temporary facilities. The increase in the demand for armory and storage space for the increased personnel and aircraft will not be met.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				15%
(E) Percent completed as of January 2010				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				
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$100
(C) Total				\$700
(D) Contract				\$600
(E) In-house				\$100
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				12/2012
B. Equipment associated with this project which will be provided from				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title MALS-39 Maintenance Hangar Expansion	
5. Program Element 0216496M	6. Category Code 21110	7. Project Number P111	8. Project Cost (\$000) 48,230	
other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	
Collateral Equipment		O&MMC	2012	4,148
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Linda Jones			Phone No: (760) 725-0392	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title MALS-39 Maintenance Hangar Expansion	
5. Program Element 0216496M	6. Category Code 21110	7. Project Number P111	8. Project Cost (\$000) 48,230	
<p>Blank Page</p>				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. Date 01 FEB 2010			
3. Installation and Location: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index 1.13				
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
A. As Of 09-30-09		233	1753	2161	166	8691	0	2672	31493	5734
B. End FY 2014		253	1721	2161	166	8691	0	2863	32439	5734
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(127159 Acres)										
B. INVENTORY AS OF 30 SEP 2009		8,411,897								
C. AUTHORIZATION NOT YET IN INVENTORY		584,503								
D. AUTHORIZATION REQUESTED IN THIS PROGRAM		247,784								
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		209,349								
F. PLANNED IN NEXT THREE PROGRAM YEARS		77,096								
G. REMAINING DEFICIENCY		1,841,849								
H. GRAND TOTAL		11,514,808								
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>			
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>			
21451	Truck Company Operations Complex	08/2009	12/2010			7831 m2	53,490			
83110	North Region Tertiary Treatment Plant Inc 2 of 2	07/2008	08/2009			0 LS	142,330			
84210	Conveyance/Water Treatment	08/2009	08/2010			0 LS	100,700			
72124	Bachelor Enlisted Quarters, Las Flores	07/2009	08/2010			9490 m2	37,020			
72124	Bachelor Enlisted Quarters, 13 Area	09/2009	06/2010			10810 m2	42,864			
93220	Marine Corps Energy Initiative	08/2009	09/2010			0 LS	9,950			
42148	Small Arms Magazine, Edson Range	09/2009	05/2010			316 m2	3,760			
						TOTAL	<u>390,114</u>			
9. Future Projects:										
A. Included In The Following Program:										
84210 New Potable Water Conveyance		101,197								
83110 North Area WW Conveyance		68,458								
14345 Armory, 1st MARDIV		14,248								
17940 Infantry Squad Defense Range		25,446								
						TOTAL	<u>209,349</u>			
B. Major Planned Next Three Years:										
61073 Military Police Company Operations Center		35,536								
61072 MASS-3 Operations Complex		41,560								
						TOTAL	<u>77,096</u>			
C. R&M Unfunded Requirement (\$000):										
		153,001								
10. Mission or Major Functions:										
To provide housing, training facilities, logistical support, and certain										

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.13
administrative support for Fleet Marine Force units and other activities and units designated by the Commandant of the Marine Corps. To conduct specialized schools and other training as directed. To receive and process students in order to conduct field training in basic combat skills.		
11. Outstanding Pollution and Safety Deficiencies (\$000):		
A. Pollution Abatement (*):		0
B. Occupational Safety and Health(OSH) (#):		0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AG) MARINE CORPS BASE CAMP PENDLETON (MARGARITA AREA (33)) CAMP PENDLETON, CALIFORNIA			4. Project Title Truck Company Operations Complex	
5. Program Element 0216496M	6. Category Code 21451	7. Project Number P1014	8. Project Cost (\$000) 53,490	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
TRUCK COMPANY OPERATIONS COMPLEX (84,296 SF)	m2	7,831.33		35,300
DINING FACILITY (22,055 SF)	m2	2,049	4,626.72	(9,480)
SINGLE MARINE FACILITY (6,600 SF)	m2	613.16	4,244.92	(2,600)
VEHICLE MAINTENANCE RENOVATION (26,256 SF)	m2	2,439.26	1,621.81	(3,960)
VEHICLE MAINTENANCE BAY ADDITION (2,160 SF)	m2	200.67	3,346.07	(670)
DISPATCH FACILITY (880 SF)	m2	81.75	4,977.11	(410)
COMPANY HEADQUARTERS (10,086 SF)	m2	937.02	4,637.55	(4,350)
ARMORY (9,396 SF)	m2	872.9	3,085.75	(2,690)
WAREHOUSE (6,863 SF)	m2	637.57	2,056.68	(1,310)
ANTI-TERRORISM/FORCE PROTECTION	LS			(580)
LEED AND EPACT 2005 COMPLIANCE	LS			(750)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(490)
SPECIAL COSTS	LS			(1,990)
BUILT-IN EQUIPMENT	LS			(6,020)
SUPPORTING FACILITIES				11,220
PAVING AND SITE IMPROVEMENTS	LS			(2,410)
SPECIAL FOUNDATION FEATURES	LS			(1,520)
ELECTRICAL UTILITIES	LS			(2,450)
DEMOLITION	LS			(970)
SITE PREPARATIONS	LS			(650)
MECHANICAL UTILITIES	LS			(820)
ENVIRONMENTAL MITIGATION	LS			(910)
SPECIAL CONSTRUCTION FEATURES	LS			(1,440)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
SUBTOTAL				46,520
CONTINGENCY (5%)				2,330
TOTAL CONTRACT COST				48,850

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AG) MARINE CORPS BASE CAMP PENDLETON (MARGARITA AREA (33)) CAMP PENDLETON, CALIFORNIA			4. Project Title Truck Company Operations Complex	
5. Program Element 0216496M	6. Category Code 21451	7. Project Number P1014	8. Project Cost (\$000) 53,490	
SIOH (5.7%)				2,780
SUBTOTAL				51,630
DESIGN/BUILD - DESIGN COST				1,860
TOTAL REQUEST ROUNDED				53,490
TOTAL REQUEST				53,490
EQUIPMENT FROM OTHER				(7,822)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>This project constructs a Truck Company Complex comprised of a high-rise multi-story headquarters facility and warehouse with roll-up doors, a single-story armory, a single marine facility, a dispatch facility, and a dining facility. The project renovates Building 33543 for vehicle maintenance. The project constructs concrete masonry unit buildings with seismic upgrades, concrete pilings, spread beam foundations, and standing seam metal roofs. The project provides for electrical and mechanical systems including fire alarm and fire monitoring/control panels, information systems, energy management control systems (EMCS), direct digital controls, plumbing, fire protection systems and HVAC systems. The project provides construction designed in compliance with current seismic requirements. The public area of the project must comply with Americans with Disabilities Act regulations.</p> <p>The high-rise multi-story headquarters facility provides for a warehouse and administration spaces including a duty bunkroom, a battalion aid station, two classrooms, Next Generation Intranet (NGEN) support closets, and a vault for the Secret Internet Protocol Router Network (SIPRINET). The closets provide for telecommunications functions including NGEN support and HVAC for NGEN equipment. The warehouse includes open laydown area and ramps for the concrete pad for the hazardous materials lockers.</p> <p>The project provides one additional drive-through maintenance bay and includes renovation of Building 33543 that has eleven drive-through maintenance bays with NGEN support drops and adequate circulation for vehicles served. The facility also includes tool rooms, administrative space, storage, grease racks, inspection racks, lube racks, overhead cranes, welding bay, machine shop, battery shop, storage, electronic/ordnance maintenance shops, wire shop, radio vehicle bays, technical library with NGEN drops, cleaning gear storage, locker room with showers, a dispatch kiosk, and break-rooms.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AG) MARINE CORPS BASE CAMP PENDLETON (MARGARITA AREA (33)) CAMP PENDLETON, CALIFORNIA			4. Project Title Truck Company Operations Complex	
5. Program Element 0216496M	6. Category Code 21451	7. Project Number P1014	8. Project Cost (\$000) 53,490	
<p>This project constructs a single-story dining facility including mess decks, galley, scullery, administrative offices with NGEN drops, chill boxes and freezers, storage, heads and mechanical room.</p> <p>The single-story armory will provide space for storage and routine maintenance of small arms and emergency gears, administrative offices, a classroom and other support functions including NGEN. Special building cost includes covered weapons cleaning area.</p> <p>Project also includes operation and maintenance support information and built-in equipment for one passenger and one freight elevator, vehicle exhaust system, emergency generators, six 10-ton overhead cranes with crane rails, weapon racks, freezers, fire suppression system, food isles and booths. Information systems include wiring for local area network, fiber optics, telephone, public address systems, cable television, and intrusion detection system.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project. The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project. The project provides for photovoltaic cells.</p> <p>The project provides for special construction features for vehicle wash platforms, traffic control, and low impact design. Special foundation features provide for retaining wall, structural fill, and sand. The project provides mitigation for natural, cultural and environmental resources impacted by construction at Camp Pendleton.</p> <p>Electrical systems include communications, electrical distribution, exterior lighting, transformers, common bank-run sand/soil fill, and electrical equipment yard for accessible maintenance and repairs. Mechanical systems include water utilities, sanitary sewer utilities, gas utilities, EMCS, and an equipment yard to house the emergency generators.</p> <p>The project provides for site improvements consisting of roadways, parking, sidewalks, hazardous materials (HAZMAT) concrete slab and ramp, covered storage area, fencing, landscaping, pedestrian and bicycling features, stormwater drainage improvements, and low impact design. Features include flag pole, basketball courts, volleyball courts, picnic shelters, benches, and trash enclosure. Site preparation includes excavation/grading,</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AG) MARINE CORPS BASE CAMP PENDLETON (MARGARITA AREA (33)) CAMP PENDLETON, CALIFORNIA			4. Project Title Truck Company Operations Complex	
5. Program Element 0216496M	6. Category Code 21451	7. Project Number P1014	8. Project Cost (\$000) 53,490	
clearing and grubbing, erosion control, borrow and site cleanup. Demolition of Buildings 330539, 33302, 72210, and 33550 (total 4,485 square meters) is included in the project.				
11. Requirement: <u>9,026 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: This project constructs a Truck Company Complex comprised of a high-rise multi-story headquarters facility and warehouse with roll-up doors, an armory, a single marine facility, a dispatch facility, a dining facility, and a vehicle maintenance bay addition. The project renovates a portion of Building 33543 for vehicle maintenance. The project demolishes four buildings. This complex provides adequate and efficient facilities for the new Truck Company supporting the Grow the Force increased end-strength. (New Mission)				
REQUIREMENT: An adequate and efficiently configured Truck Company Complex is required to support the stand-up of a new company at Truck Company located in Margarita (33 Area). The Truck Company mission is to provide medium tactical vehicle support to the Marine Division in order to support ground combat operations and the movement of personnel, equipment in support of ground combat operations. Facilities required include a vehicle maintenance facility, company headquarters with classroom space, warehouse, dining facility, single marine facility, and armory. This project is required to support the Grow the Force increased end-strength.				
CURRENT SITUATION: Currently, Truck Company resides in undersized and inadequate facilities scattered throughout Margarita (33 Area). The Truck Company vehicle maintenance facility is located in two-thirds of two-story maintenance building that is too small to house the addition of the new company consisting of 348 persons and over 300 vehicles. The current maintenance facility does not provide adequate wash racks, lubrication stations, adequately sized vehicle lift stations, NGEN support stations, technical library, warehouse administration spaces, training areas, and overhead cranes and rails. The other tenant is leaving, so the entire facility is available to house the Truck Company vehicle maintenance function, but needs renovation to accommodate the needs of the Company. The headquarters is located in converted bachelor quarters, not with the rest of the Company, in a space poorly configured and too small to support the new Company. The dining facility is inadequate and too small to accommodate the new Company. The armory is inadequate and too small to accommodate the additional weapons of the new Truck Company. The current storage building				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AG) MARINE CORPS BASE CAMP PENDLETON (MARGARITA AREA (33)) CAMP PENDLETON, CALIFORNIA			4. Project Title Truck Company Operations Complex	
5. Program Element 0216496M	6. Category Code 21451	7. Project Number P1014	8. Project Cost (\$000) 53,490	
<p>is not large enough to support the storage needs of an additional company and the covered supply area is too small. Additionally, the HAZMAT storage is inadequate and too small to support the level of hazardous materials that the Truck Company produces during vehicle maintenance. Parking spaces are extremely limited due to the crowded conditions in Margarita (33 Area). The access road serves the personnel living in the bachelor enlisted quarters as well as the Truck Company and the tight turns in the road hinder the vehicles entering into Margarita (33 Area) for maintenance and storage at the Truck Company area.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Failure to provide these essential facilities will result in a shortage of adequately maintained vehicles. Without adequate essential maintenance facilities, Marines experience degradation of unit cohesion, retention, the ability to maintain equipment, and the ability to train personnel. In the event this complex is not provided, the new company will be crowded into the existing dispersed inadequate facilities.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				12/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,190
(B) All other design costs				\$452
(C) Total				\$1,642
(D) Contract				\$738
(E) In-house				\$904
4. Contract award:				03/2011
5. Construction start:				06/2011
6. Construction complete:				06/2013
B. Equipment associated with this project which will be provided from other appropriations:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AG) MARINE CORPS BASE CAMP PENDLETON (MARGARITA AREA (33)) CAMP PENDLETON, CALIFORNIA			4. Project Title Truck Company Operations Complex	
5. Program Element 0216496M	6. Category Code 21451	7. Project Number P1014	8. Project Cost (\$000) 53,490	
<u>Equipment</u> <u>Nomenclature</u> Collateral Equipment		<u>Procuring</u> <u>Approp</u> O&MMC	<u>FY Approp</u> <u>or Requested</u> 2012	<u>Cost (\$000)</u> 7,822
JOINT USE CERTIFICATION: The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Lt. Artemio Trevino		Phone No: (760) 725-6026		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AL) MARINE CORPS BASE CAMP PENDLETON (SAN MATEO AREA (62)) CAMP PENDLETON, CALIFORNIA			4. Project Title North Region Tertiary Treat Plant Inc 2	
5. Program Element 0216496M	6. Category Code 83110	7. Project Number P1043A	8. Project Cost (\$000) 30,000	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
NORTH REGION TERTIARY TREAT PLANT INC 2	LS			113,250
ADVANCED SEWAGE TRMT FACILITY	KG	5,000	4,453.03	(22,270)
SBR CONSTRUCTION	KG	2,500	4,968.9	(12,420)
DISINFECTION CONTACT BASIN CONSTRUCTION	KG	2,500	1,518.21	(3,800)
NRTP OPERATIONS FACILITY (4,607 SF)	m2	428	5,181.71	(2,220)
SANITARY SEWER CONVEYANCE (17,388 LF)	m	5,300	2,568.69	(13,610)
SLUDGE TREATMENT HANDLING FACILITY	KG	5,000	2,045.86	(10,230)
NORTH REGIONAL TERTIARY TREATMENT PLANT	KG	5,000	5,653.13	(28,270)
PCAS	EA	0.01	146,150,000	(1,460)
CONVERT STP 12 TO TAPS	KG	5,000	414.54	(2,070)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(1,410)
LEED AND EPACK 2005 COMPLIANCE	LS			(900)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
INFORMATION SYSTEMS	LS			(4,720)
SPECIAL COSTS	LS			(5,720)
BUILT-IN EQUIPMENT	LS			(4,090)
SUPPORTING FACILITIES				10,530
PAVING AND SITE IMPROVEMENTS	LS			(1,850)
SPECIAL FOUNDATION FEATURES	LS			(250)
DEMOLITION	LS			(1,130)
OUTSIDE COMMUNICATION	LS			(920)
MECHANICAL UTILITIES	LS			(200)
SPECIAL CONSTRUCTION FEATURES	LS			(800)
SITE PREPARATIONS	LS			(1,610)
ELECTRICAL UTILITIES	LS			(2,200)
ENVIRONMENTAL MITIGATION	LS			(1,570)
SUBTOTAL				123,780

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AL) MARINE CORPS BASE CAMP PENDLETON (SAN MATEO AREA (62)) CAMP PENDLETON, CALIFORNIA			4. Project Title North Region Tertiary Treat Plant Inc 2	
5. Program Element 0216496M	6. Category Code 83110	7. Project Number P1043A	8. Project Cost (\$000) 30,000	
CONTINGENCY (5%)				6,190
TOTAL CONTRACT COST				129,970
SIOH (5.7%)				7,410
SUBTOTAL				137,380
DESIGN/BUILD - DESIGN COST				4,950
TOTAL REQUEST ROUNDED				142,330
TOTAL REQUEST				142,330
EQUIPMENT FROM OTHER				(830)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>PRIMARY FACILITY - Construct a five million gallon per day (MGD) North Regional Tertiary Treatment Plant (NRTTP) with a sludge treatment facility located near the existing Sewage Treatment Plant (STP) 11 to treat raw sewage from the tributary areas associated with existing STPs 10, 11, and 12. Provide Sequential Batch Reactors (SBRs) and sludge treatment and handling facilities (two dissolved air flotation units, two digesters and multiple sludge drying beds, chemical storage and feed systems, odor control facilities, and a control room). Modify or reuse the existing headworks facilities at STP 10, 11, and 12. Convert STP 12 to a Tributary Area Pump Station (TAPS). The project provides for preliminary treatment facilities, secondary treatment facilities, and advanced (tertiary) sewage treatment facilities. Construct a Disinfection Basin. The project provides for a new sewer line from STP 12 in San Mateo (62 Area) including piping, ten lift stations, manholes, and horizontal boring. The project also constructs a 428 m² (4,607 SF) operations facility constructed with reinforced concrete masonry units with seismic upgrades, Next Generation Intranet (NGEN) drops, structural fill, and standing seam metal roof. A telecommunications room provides for telecommunications functions including NGEN and heating, ventilation, and air conditioning (HVAC). The project provides for electrical and mechanical systems including alarms for the fiber optic cable, fire alarm and fire monitoring/control panels, information systems, Energy Management Control Systems (EMCS), direct digital controls, plumbing, fire protection systems, and HVAC systems. The project provides construction designed in compliance with current seismic requirements. The public area of the project must comply with Americans with Disabilities Act regulations.</p> <p>The project provides for Anti-terrorism Force Protection (AT/FP) features and complies with AT/FP regulations and physical security. Sustainable design features will be included in the design, development, and construction of the facility. The facility will be designed to meet or</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AL) MARINE CORPS BASE CAMP PENDLETON (SAN MATEO AREA (62)) CAMP PENDLETON, CALIFORNIA			4. Project Title North Region Tertiary Treat Plant Inc 2	
5. Program Element 0216496M	6. Category Code 83110	7. Project Number P1043A	8. Project Cost (\$000) 30,000	
<p>exceed Leadership in Energy and Environmental (LEED) Design Silver rating.</p> <p>The project provides built-in equipment for the preliminary screen/grit removal and two emergency generators. The information system includes a Supervisory Control and Data Acquisition (SCADA) system with twisted pair communication lines, wiring for local area network (LAN), fiber optics, telephone, public address system, and intrusion detection system wiring.</p> <p>Project also includes Operation and Maintenance Supporting Information (OMSI), Post Construction Award Services (PCAS) and special construction costs for chemical storage and handling and an influent pump station.</p> <p>SUPPORTING FACILITIES - The project provides for special construction features for low impact design in accordance with Low Impact Development and other Environmental Laws and Regulations.</p> <p>The project provides for electrical systems including site and building utility connections, communication, electrical distribution, exterior lighting, a unit substation, two transformers, and an electrical equipment yard to house the emergency generators.</p> <p>Mechanical utilities include site and building utility connections for water (domestic and fire protection), sanitary and natural gas. The project provides for EMCS and a mechanical equipment yard for maintenance and repair access.</p> <p>Paving and site improvements include facility access roads, parking, sidewalks, landscaping fencing, LEED features, and stormwater drainage improvements. The site preparations provide for excavation and grading, clearing and grubbing, borrow and site cleanup. The project demolishes portions of SPT 11 & 12, building sewer/water lines, connections for the sewer/water lines, and provides for disposal of hazardous soil (from liners and perk ponds).</p> <p>The project provides mitigation for natural, cultural and environmental resources impacted by construction at Camp Pendleton.</p>				
11. Requirement: <u>5 MG</u> Adequate: <u>0 MG</u> Substandard: <u>0 MG</u> PROJECT: Construct a five MGD NRTTP and sludge facility at the location of existing STP 11 to treat raw sewage from the STP 10, 11 and 12 tributary areas and allow for reuse of water in the northern region. SCADA lines are also				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AL) MARINE CORPS BASE CAMP PENDLETON (SAN MATEO AREA (62)) CAMP PENDLETON, CALIFORNIA			4. Project Title North Region Tertiary Treat Plant Inc 2	
5. Program Element 0216496M	6. Category Code 83110	7. Project Number P1043A	8. Project Cost (\$000) 30,000	
<p>installed from San Mateo, San Onofre, and Horno (through School of Infantry) connecting into the new NRTTP. The plant will exceed the secondary treatment levels mandated by the Regional Water Quality Control Board and comply with Title 22 standards for reuse water. The ability to reuse water for irrigation uses will extend the self-sufficient potable water supply from existing ground water sources. When complete, the facility achieves long-term regulatory compliance for MCB Camp Pendleton's wastewater systems.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>An adequate tertiary treatment plant and sludge treatment facility at the northern region of MCB Camp Pendleton are required to provide adequate plant capacity to treat wastewater from STP 10, 11, and 12 tributary areas and to accommodate projected future increases in influent quantities associated with the Grow the Force end-strength increase in personnel.</p> <p>CURRENT SITUATION:</p> <p>The northern region relies on 2 STPs to treat wastewater (raw sewage) and relies on approximately 20 pump stations to transfer the sewage. Original permits for STPs were issued in the 1940s. STPs 11 and 12 are secondary systems (not tertiary systems) and have two percolation ponds each. The proposed development of the Foothills Freeway at MCB Camp Pendleton will contribute to the reduction in the capacity of these percolation ponds, increasing the need for a tertiary system.</p> <p>Currently the north region sewage treatment system operates under Notices of Violations for STPs 11 and 12. Current operations do not have a Cease or Desist Order (CDO) for the northern region. STP 12 is currently operating at maximum permitted capacity (permitted capacity is 75 percent of rated capacity). STP 12 is also located on an archeological site, eliminating possibility for expansion. STP 11 is currently operating at its maximum permitted capacity. STP 10 is located in the northern region and is in poor condition. STP 10 acts as tributary pump station, but no treatment occurs at this facility. Wastewater is pumped to STP 11 for treatment from STP 10. The sludge beds are still active at STPs 10, 11 and 12 and are utilized as needed.</p> <p>The north region sewage treatment system is operating at the maximum permitted capacity. The increase in influent associated with the increase in personnel at Camp Pendleton from the Grow the Force end-strength increase would exceed the maximum permitted capacity.</p> <p>IMPACT IF NOT PROVIDED:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AL) MARINE CORPS BASE CAMP PENDLETON (SAN MATEO AREA (62)) CAMP PENDLETON, CALIFORNIA			4. Project Title North Region Tertiary Treat Plant Inc 2	
5. Program Element 0216496M	6. Category Code 83110	7. Project Number P1043A	8. Project Cost (\$000) 30,000	
<p>The current STPs in the northern region will continue to operate at maximum or near maximum permitted capacity. Increases in wastewater from additional personnel relating to the Grow the Force end-strength increase will cause STPs 11 and 12 to exceed permitted capacity. If a tertiary treatment plant in the northern region is not constructed to increase capacity, the Base may be sighted with CDOs and lawsuits. Additionally, if the new plant is not provided, the northern area would not be able to support any new development required by Grow the Force demands. The existing STP system does not have the capacity (or the ability to expand) to support the influent associated with this new development.</p> <p>MCB cannot operate beyond the maximum permitted capacity. The Base will not be able to process the influent to Title 22 secondary treatment standards. Without an effluent outfall pipe, the disposal of the non compliant effluent will be illegal. The percolation ponds' capacity will be strained by the sheer quantity increase of effluent. If this capacity is exceeded, the percolation ponds overflow will jeopardize nearby beaches and oceans. The percolation ponds will be at capacity with this additional volume and the effluent will infiltrate the salt water intrusion layer. This infiltration of effluent into the intrusion layer, this may reverse flow and blend directly with ground water aquifer. This will contaminate the only source of potable water at the North MCB Camp Pendleton. Lack of potable water would severely impact training and operations at the Base.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2008
(B) Date 35% Design or Parametric Cost Estimate complete				01/2009
(C) Date design completed				08/2009
(D) Percent completed as of September 2009				100%
(E) Percent completed as of January 2010				100%
(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				
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$2,600
(B) All other design costs				\$900
(C) Total				\$3,500

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AL) MARINE CORPS BASE CAMP PENDLETON (SAN MATEO AREA (62)) CAMP PENDLETON, CALIFORNIA			4. Project Title North Region Tertiary Treat Plant Inc 2	
5. Program Element 0216496M	6. Category Code 83110	7. Project Number P1043A	8. Project Cost (\$000) 30,000	
(D) Contract		\$3,000		
(E) In-house		\$500		
4. Contract award:		07/2010		
5. Construction start:		08/2010		
6. Construction complete:		07/2012		
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment	PMC	2012	830	
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Authorization and Appropriation Summary				
	Authorization	Appropriation	Auth for Approp.	
FY 2010 Approved by Congress	\$142,330K	\$112,330K	\$112,330K	
FY 2011 Request	\$0K	\$30,000K	\$30,000K	
Activity POC: Ron Couchot		Phone No: (760) 725-6061		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AL) MARINE CORPS BASE CAMP PENDLETON (SAN MATEO AREA (62)) CAMP PENDLETON, CALIFORNIA			4. Project Title Conveyance/Water Treatment	
5. Program Element 0216496M	6. Category Code 84210	7. Project Number P1044	8. Project Cost (\$000) 100,700	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CONVEYANCE/WATER TREATMENT	LS			66,060
GAC/RO FACILITY (54,003 SF)	m2	5,017	1,346.14	(6,750)
PUMP STATION	EA	3	2,705,219	(8,120)
COLLECTION HEAD FACILITY	EA	4	244,214.48	(980)
CLEARWELL (POTABLE WATER)	GA	2,000,000	3.19	(6,380)
POTABLE WATER LINE - 10 TO 14" (58,432 LF)	m	17,810	515.25	(9,180)
OPERATIONS FACILITY (807 SF)	m2	75	4,108.52	(310)
POTABLE WATER LINE - 8" (20,899 LF)	m	6,370	412.2	(2,630)
SPECIAL COSTS	LS			(7,970)
ANTI-TERRORISM/FORCE PROTECTION	LS			(350)
INFORMATION SYSTEMS	LS			(5,720)
BUILT-IN EQUIPMENT	LS			(15,920)
LEED AND EPACT 2005 COMPLIANCE	LS			(450)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(1,300)
SUPPORTING FACILITIES				21,520
SITE PREPARATIONS	LS			(3,790)
PAVING AND SITE IMPROVEMENTS	LS			(4,550)
ENVIRONMENTAL MITIGATION	LS			(5,830)
ELECTRICAL UTILITIES	LS			(3,810)
SPECIAL FOUNDATION FEATURES	LS			(900)
DEMOLITION	LS			(2,450)
MECHANICAL UTILITIES	LS			(170)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
SUBTOTAL				87,580
CONTINGENCY (5%)				4,380
TOTAL CONTRACT COST				91,960
SIOH (5.7%)				5,240
SUBTOTAL				97,200
DESIGN/BUILD - DESIGN COST				3,500

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AL) MARINE CORPS BASE CAMP PENDLETON (SAN MATEO AREA (62)) CAMP PENDLETON, CALIFORNIA			4. Project Title Conveyance/Water Treatment	
5. Program Element 0216496M	6. Category Code 84210	7. Project Number P1044	8. Project Cost (\$000) 100,700	
TOTAL REQUEST ROUNDED				100,700
TOTAL REQUEST				100,700

10. Description of Proposed Construction:

The project constructs advanced water treatment (AWT) facilities to provide safe drinking water to serve the northern region of Marine Corps Base (MCB) Camp Pendleton. It will provide reduction of Total Dissolved Solids (TDS), Total Organic Carbon (TOC), and water corrosives. Construction includes a Granulated Activated Carbon (GAC)/Reverse Osmosis (RO) facility and associated Brine Disposal System. The GAC/RO facility includes three basic Modules: RO, GAC and a PH control chemical injection system.

The project constructs reinforced concrete masonry unit buildings with seismic upgrades, concrete pilings, and standing seam metal roof. The facility is designed in modular form and stubbed out for ease of expandability. The brine disposal system connects the RO module (consisting of a brine/slurry dilution facility, brine line pump station and pipeline) to an ocean outfall at the San Onofre Nuclear Generating Station. The project constructs an operations building that includes a telecommunications room. The project provides for electrical and mechanical systems including fire alarm and fire monitoring/control panels, information systems, energy management control systems, direct digital controls, plumbing, fire protection systems, and heating/ventilation (HV) systems. The project provides construction designed in compliance with current seismic requirements. The public area of the project must comply with Americans with Disabilities Act regulations. The telecommunications room provides for telecommunications functions including Next Generation Intranet support. A clearwell, water storage tank, will be provided to hold water prior to distribution to existing reservoirs. The project also constructs well heads collection points with piping and pumps at the existing well fields. The project also constructs main water lines for potable water conveyance beginning at the water treatment facility in San Onofre Housing Cantonment and continues into the Horno (53 Area). Another line links Talega to San Mateo. An eight inch potable water loop will be constructed in each of the cantonment and housing areas.

Built-in equipment includes process equipment, chemical tanks, emergency generator, chemical feed system, carbon unit, RO feed, RO transfer pumps, three pump stations with emergency generators, pressure sensors, air relief valves, and control valves and meters. The project provides information systems for the supervisory control and data acquisition information systems instrumentation and control and wiring for local area network

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AL) MARINE CORPS BASE CAMP PENDLETON (SAN MATEO AREA (62)) CAMP PENDLETON, CALIFORNIA			4. Project Title Conveyance/Water Treatment	
5. Program Element 0216496M	6. Category Code 84210	7. Project Number P1044	8. Project Cost (\$000) 100,700	
efforts to meet wastewater discharge requirements. This project is required to support the Grow the Force increased end-strength.				
CURRENT SITUATION:				
<p>Currently, there are ten wells in the San Mateo Basin and four wells in the San Onofre Basin that produce raw water for the northern region of Camp Pendleton that includes Horno, School of Infantry, San Mateo, Cristianitos, Talega, San Onofre Housing, and San Onofre Exchange. Well water from every well in the region is at the upper limits of the standard for TDS (500 mg/L). The TOC level is elevated, with averages ranging from 8.0 to greater than 10.0 mg/L. The elevated TOC level creates the potential for violation of the disinfection by-product rule for drinking water and Title 22 for recycled wastewater. The current copper in the raw water and from the plumbing system is causing the wastewater sludge to contain high levels of copper. As a result, the sludge from the wastewater plants is classified as hazardous waste by the State of California and requires MCB Camp Pendleton to incur special disposal costs.</p>				
<p>To ensure compliance with stringent TDS limitations for wastewater effluent, treatment of potable water is necessary to reduce TDS concentrations in the raw sewage influent to the proposed northern regional treatment plant and subsequently reduce TDS concentrations in sewage. The Regional Water Quality Control Board basin plan has established a limit of 750 mg/L for TDS. Wastewater effluent TDS concentrations from the proposed northern regional treatment plant can be reduced below 600 mg/L with the implementation of an AWT facility.</p>				
<p>Dating back to the 1960's, the existing 12,072 m of piping in the northern portion of Camp Pendleton is deteriorating, requiring frequent repairs and does not connect to the location of the new AWT facility. The condition of the existing piping cannot support this increase in water usage.</p>				
IMPACT IF NOT PROVIDED:				
<p>Failure to provide new potable water conveyance in the northern potable water system will result in unreliable water service to the Marines assigned to MCB Camp Pendleton. The unreliable distribution system will result in suspension of training and operations, the inability to fight fires and other life safety issues.</p>				
<p>Failure to provide expanded capacity of the northern potable water system will result in unhealthy drinking water for Marines assigned to MCB Camp Pendleton. Drinking water with high TDS concentration will continue to cause wastewater effluent to be at excessive TDS limits. High TOC levels increases trihalomethane formation and other disinfection byproducts in drinking water and treated recycled wastewater most likely exceeding the maximum allowable contaminant levels. Current copper loading/leaching to</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AL) MARINE CORPS BASE CAMP PENDLETON (SAN MATEO AREA (62)) CAMP PENDLETON, CALIFORNIA			4. Project Title Conveyance/Water Treatment	
5. Program Element 0216496M	6. Category Code 84210	7. Project Number P1044	8. Project Cost (\$000) 100,700	
the wastewater system will continue to result in wastewater sludge being classified as hazardous waste, increasing disposal costs.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				08/2010
(D) Percent completed as of September 2009				15%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$640
(B) All other design costs				\$320
(C) Total				\$960
(D) Contract				\$0
(E) In-house				\$960
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				04/2013
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Lt. Artemio Trevino		Phone No: (760) 725-6026		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AL) MARINE CORPS BASE CAMP PENDLETON (SAN MATEO AREA (62)) CAMP PENDLETON, CALIFORNIA			4. Project Title Conveyance/Water Treatment	
5. Program Element 0216496M	6. Category Code 84210	7. Project Number P1044	8. Project Cost (\$000) 100,700	
Blank Page				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title BEQ - Las Flores	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1109	8. Project Cost (\$000) 37,020	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BEQ - LAS FLORES (102,150 SF)	m2	9,490		29,130
BACHELOR ENLISTED QUARTERS (102,150 SF)	m2	9,490	2,838.22	(26,930)
BUILT-IN EQUIPMENT	LS			(610)
LEED AND EPACT 2005 COMPLIANCE	LS			(450)
SPECIAL COSTS	LS			(340)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(420)
ANTI-TERRORISM/FORCE PROTECTION	LS			(380)
SUPPORTING FACILITIES				3,060
DEMOLITION	LS			(50)
MECHANICAL UTILITIES	LS			(540)
PAVING AND SITE IMPROVEMENTS	LS			(700)
SITE PREPARATIONS	LS			(460)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
ENVIRONMENTAL MITIGATION	LS			(190)
ELECTRICAL UTILITIES	LS			(740)
LEED AND FEDERAL ENERGY ACT COMPLIANCE	LS			(360)
SUBTOTAL				32,190
CONTINGENCY (5%)				1,610
TOTAL CONTRACT COST				33,800
SIOH (5.7%)				1,930
SUBTOTAL				35,730
DESIGN/BUILD - DESIGN COST				1,290
TOTAL REQUEST ROUNDED				37,020
TOTAL REQUEST				37,020
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(3,773)
10. Description of Proposed Construction:				
Construct a multi-story reinforced concrete masonry unit block (CMU) Bachelor Enlisted Quarters (BEQ) with seismic requirements, CMU interior walls, reinforced concrete foundation and floors, and standing seam metal				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title BEQ - Las Flores	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1109	8. Project Cost (\$000) 37,020	
<p>roof. Project will provide 200 rooms with private bathrooms in the standard 2+0 room configuration. Community and service core areas will consist of laundry facilities, multipurpose rooms, lounges, a learning resource center, administrative offices, housekeeping areas, and public restrooms. Built-in equipment includes a service elevator, emergency generator, and keyless room entry system. Operation and maintenance support information will be provided. The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>The project provides for special construction features for traffic mitigation. Electrical systems include communications, electrical distribution, exterior lighting, transformer, and electrical equipment yard for the emergency generator. Mechanical systems include water utilities, sanitary sewer utilities, gas utilities, an Energy Management Control System, and an equipment yard for a central plant. The project provides for site improvements consisting of roadways, parking, sidewalks and mustering area, landscaping, retaining wall and fence, and supporting facility LEED features including pedestrian and bicycling features, stormwater pollution prevention plan, stormwater diversion during construction and permanent stormwater drainage improvements, and low impact development. Other site improvements include flag pole, basketball court, volleyball court, picnic shelter, covered patio, recreational shelter, benches, and trash enclosure. Stormwater drainage improvements include storm sewer, manholes, catch basins, swales and paving, and a filtration system. Site preparation includes excavation/grading, clearing and grubbing, borrow and site cleanup. The project provides mitigation for natural, cultural and environmental resources impacted by construction at Camp Pendleton and additional anti-terrorism/force protection features including security bollards, closed circuit television systems and additional camera stations.</p>				
11. Requirement: <u>400 PN</u> Adequate: <u>0 PN</u> Substandard: <u>0 PN</u>				
PROJECT: The project provides 400 living spaces (200 two-person rooms) using the 2+0 standard room design for permanent party bachelor enlisted personnel E1-E3. (Current Mission)				
REQUIREMENT:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title BEQ - Las Flores	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1109	8. Project Cost (\$000) 37,020	
<p>Adequate and efficiently configured barracks facilities are required to provide living quarters for all single E1 through E3 Marines assigned to Camp Pendleton that support the Grow the Force increased end-strength. This project reduces the programmable Bachelor Enlisted Housing deficit that exists at Marine Corps Base Camp Pendleton. The Marine Corps requires new BEQ construction to comply with the 2+0 Standard, when addressing bachelor quarter space deficiencies.</p> <p>CURRENT SITUATION: The Grow the Force effort increases the demand for bachelor quarters.</p> <p>IMPACT IF NOT PROVIDED: The deficit in BEQ manspace will continue.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				08/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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				
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$500
(B) All other design costs				\$100
(C) Total				\$600
(D) Contract				\$500
(E) In-house				\$100
4. Contract award:				01/2011
5. Construction start:				04/2011
6. Construction complete:				01/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment	O&MMC	2012		3,773
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title BEQ - Las Flores	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1109	8. Project Cost (\$000) 37,020	
<p>E. Future R&M Requirements (\$000):</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p> <p>Activity POC: Bob Song Phone No: (760) 725-5366</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AE) MARINE CORPS BASE CAMP PENDLETON (CHAPPO AREA (22/24)) CAMP PENDLETON, CALIFORNIA			4. Project Title BEQ - 13 Area	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1113	8. Project Cost (\$000) 42,864	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BEQ - 13 AREA (116,358 SF)	m2	10,810		33,460
BACHELOR ENLISTED QUARTERS COMPLEX E1-E4 (116,358 SF)	m2	10,810	2,807.98	(30,350)
SPECIAL COSTS	LS			(390)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(480)
LEED AND EPACT 2005 COMPLIANCE	LS			(850)
BUILT-IN EQUIPMENT	LS			(620)
ANTI-TERRORISM/FORCE PROTECTION	LS			(770)
SUPPORTING FACILITIES				3,830
ELECTRICAL UTILITIES	LS			(960)
ENVIRONMENTAL MITIGATION	LS			(380)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
PAVING AND SITE IMPROVEMENTS	LS			(690)
MECHANICAL UTILITIES	LS			(660)
SITE PREPARATIONS	LS			(520)
LEED AND FEDERAL ENERGY ACT COMPLIANCE	LS			(460)
DEMOLITION	LS			(140)
SUBTOTAL				37,290
CONTINGENCY (5%)				1,860
TOTAL CONTRACT COST				39,150
SIOH (5.7%)				2,230
SUBTOTAL				41,380
DESIGN/BUILD - DESIGN COST				1,490
TOTAL REQUEST ROUNDED				42,870
TOTAL REQUEST				42,864
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,500)
10. Description of Proposed Construction:				
Construct a multi-story reinforced concrete masonry unit (CMU) block building with CMU interior walls, seismic features, reinforced concrete foundation and floors, and standing seam metal roof. Project will provide				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AE) MARINE CORPS BASE CAMP PENDLETON (CHAPPO AREA (22/24)) CAMP PENDLETON, CALIFORNIA			4. Project Title BEQ - 13 Area	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1113	8. Project Cost (\$000) 42,864	
<p>230 rooms with private bathrooms in the standard 2+0 room configuration. Community and service core areas will consist of laundry facilities, multipurpose rooms, lounges, administrative offices, NGEN support space, housekeeping areas, and public restrooms. Built-in equipment includes a service elevator, emergency generator, and keyless room entry system. Operation and maintenance support information will be provided.</p> <p>The project provides for electrical systems consisting of communications, electrical distribution, exterior lighting, transformer, and electrical equipment yard for the emergency generator. Mechanical systems include water utilities, sanitary sewer utilities, gas utilities, and energy management control system, and an equipment yard for a central plant. The project provides for site improvements consisting of roadways, parking, curbs and gutters, sidewalks, a retaining wall, and landscaping. Other site improvements include basketball and volleyball courts, picnic shelter, recreational shelter, benches, trash enclosure, and monument sign. Site preparation includes excavation/grading, cut and fill site leveling, clearing and grubbing, and site cleanup.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project. The project provides mitigation for natural, cultural, and environmental resources impacted by construction at Camp Pendleton. Project will demolish two existing buildings 1361 and 1362 (892 square meters).</p> <p>Rooms: 230 two-person rooms Maximum utilization: 460 E1-E3 Total: 460 persons</p>				
11. Requirement: <u>460 PN</u> Adequate: <u>0 PN</u> Substandard: <u>0 PN</u>				
PROJECT: Provides 460 living spaces (230 two-person rooms) using the 2+0 standard room design for permanent party bachelor enlisted personnel. (Current Mission)				
REQUIREMENT: Adequate and efficiently configured barracks facilities to provide living quarters to reduce the Marine Corps Base Camp Pendleton Bachelor Enlisted Housing deficit. A primary objective of the Marine Corps is to provide new construction to the 2+0 Standard, addressing all bachelor quarter space deficiencies.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AE) MARINE CORPS BASE CAMP PENDLETON (CHAPPO AREA (22/24)) CAMP PENDLETON, CALIFORNIA			4. Project Title BEQ - 13 Area	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1113	8. Project Cost (\$000) 42,864	
CURRENT SITUATION: The Grow the Force effort increases the demand for bachelor quarters.				
IMPACT IF NOT PROVIDED: If this project is not provided, the Commandant of the Marine Corps' goal to address all bachelor quarter space deficiencies will not be achieved.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2009
(B) Date 35% Design or Parametric Cost Estimate complete				03/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$400
(B) All other design costs				\$100
(C) Total				\$500
(D) Contract				\$400
(E) In-house				\$100
4. Contract award:				06/2011
5. Construction start:				09/2011
6. Construction complete:				06/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Furnishings, Fixtures & Equipment	O&MMC	2012		2,500
C. FY 2009 R&M Conducted (\$000):				17,202
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				108,980
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AE) MARINE CORPS BASE CAMP PENDLETON (CHAPPO AREA (22/24)) CAMP PENDLETON, CALIFORNIA			4. Project Title BEQ - 13 Area	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1113	8. Project Cost (\$000) 42,864	
available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Bob Song			Phone No: (760) 725-5366	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title Marine Corps Energy Initiative	
5. Program Element 0216496M	6. Category Code 93220	7. Project Number P1200	8. Project Cost (\$000) 9,950	
<p>MCB Camp Pendleton relies on local utilities to supply electricity requirement.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Energy savings will not be realized. Progress towards compliance with EISA 2007 will not be achieved.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				03/2010
(C) Date design completed				09/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				0%
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$185
(B) All other design costs				\$90
(C) Total				\$275
(D) Contract				\$250
(E) In-house				\$25
4. Contract award:				12/2010
5. Construction start:				01/2011
6. Construction complete:				01/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Patrick Casey			Phone No: (703) 695-8202	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AF) MARINE CORPS BASE CAMP PENDLETON (EDSON RANGE AREA (31A)) CAMP PENDLETON, CALIFORNIA			4. Project Title Small Arms Magazine - Edson Range	
5. Program Element 0216496M	6. Category Code 42148	7. Project Number P310	8. Project Cost (\$000) 3,760	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SMALL ARMS MAGAZINE - EDSON RANGE (3,401 SF)	m2	316		1,480
OPERATIONAL SUPPORT FACILITY (1,001 SF)	m2	93	4,607.6	(430)
SMALL ARMS MAGAZINE (2,400 SF)	m2	223	4,263.48	(950)
LEED AND EPACT 2005 COMPLIANCE	LS			(40)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
SPECIAL COSTS	LS			(40)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(10)
SUPPORTING FACILITIES				1,910
ENVIRONMENTAL MITIGATION	LS			(800)
MECHANICAL UTILITIES	LS			(70)
ELECTRICAL UTILITIES	LS			(300)
SITE PREPARATIONS	LS			(240)
SPECIAL FOUNDATION FEATURES	LS			(70)
DEMOLITION	LS			(50)
PAVING AND SITE IMPROVEMENTS	LS			(380)
SUBTOTAL				3,390
CONTINGENCY (5%)				170
TOTAL CONTRACT COST				3,560
SIOH (5.7%)				200
SUBTOTAL				3,760
TOTAL REQUEST ROUNDED				3,760
TOTAL REQUEST				3,760
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(300)
10. Description of Proposed Construction:				
Construct one reinforced concrete, above ground, modular storage magazine box-type with earthen barricades, loading dock, and pallet and equipment staging areas. Construct one operations support facility including restroom and shower facilities for six Marines that includes storage for forklift, battery charger, and miscellaneous equipment. Operation and maintenance support information will be provided.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AF) MARINE CORPS BASE CAMP PENDLETON (EDSON RANGE AREA (31A)) CAMP PENDLETON, CALIFORNIA			4. Project Title Small Arms Magazine - Edson Range	
5. Program Element 0216496M	6. Category Code 42148	7. Project Number P310	8. Project Cost (\$000) 3,760	
<p>Electrical utilities include wiring for intrusion detection system, primary electrical distribution, lightning protection at vehicle staging and magazines, area lighting, and pole mounted transformer. Mechanical utilities include water distribution, fire hydrants, storm drainage pipes, and storm drainage structures. Paving and site improvements include fill and borrow, topsoil and seed, alterations to existing road network, paved road and sufficient turn around point for trucks accessing the site, gates, and security fencing. Demolition of ready service lockers 31766, 31853, 31863, 31873 and 31882 as well as existing fencing, is included. Environmental work includes erosion and sediment control.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
<p>11. Requirement: <u>1,984 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT:</p> <p>Constructs an earth covered magazine, an operations support facility, a loading dock, vehicle staging lot, and all associated utility, road and security upgrades at Marine Corps Base (MCB) Camp Pendleton.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Adequate and efficiently configured ammunition storage and handling facility for Weapons and Field Training Battalion (WFTBN), Edson Range are required.</p> <p>CURRENT SITUATION:</p> <p>An integral phase of recruit training involves acquiring proficiency in weapons firing at Edson Range aboard MCB Camp Pendleton. Currently, ammunition supporting the range is housed in 5 satellite bunkers. All of these bunkers, built in 1963, are above-ground, non-barricaded, masonry structures. Housing the ammunition in five separate locations presents an elevated security risk. The bunkers can store up to a collective Net Explosive Weight of 12,000 pounds of Class 1, Division 4 munitions and 150 pounds of Class 1, Division 2 munitions. Navy explosives safety instructions specify the minimum Explosive Safety Quantity Distance for any structure from an above-ground magazine and several occupied buildings fall within these distances. WFTBN annually applies for waivers and exemptions from these criteria. Also, the bunkers have limited storage capability, and because a large quantity of ammunition is issued to recruit firing details, the magazines must be replenished on a bi-weekly basis. This places a logistical burden on the ammunition technicians assigned to WFTBN.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00681(AF) MARINE CORPS BASE CAMP PENDLETON (EDSON RANGE AREA (31A)) CAMP PENDLETON, CALIFORNIA			4. Project Title Small Arms Magazine - Edson Range	
5. Program Element 0216496M	6. Category Code 42148	7. Project Number P310	8. Project Cost (\$000) 3,760	
<p>The proposed consolidated bunker would store a six-month supply of ammunition.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>WFTBN will continue to use the undersized and aging bunkers and will continue to annually apply for exemption from Navy explosives safety criteria. WFTBN personnel will continue to make excessive logistical trips at the expense fuel and vehicle maintenance.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$500
(B) All other design costs				\$2,500
(C) Total				\$3,000
(D) Contract				\$2,850
(E) In-house				\$150
4. Contract award:				12/2010
5. Construction start:				01/2011
6. Construction complete:				10/2011
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Furnishings, Fittings and Equipment	O&MMC	2012		300
JOINT USE CERTIFICATION:				
<p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy</p>				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. Date 01 FEB 2010			
3. Installation and Location: M00243 MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index 1.11				
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
A. As Of 09-30-09		80	427	498	52	24133	0	118	698	63
B. End FY 2014		80	427	498	52	24133	0	118	698	63
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(505 Acres)										
B. INVENTORY AS OF 30 SEP 2009										836,836
C. AUTHORIZATION NOT YET IN INVENTORY										51,220
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										9,950
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										54,141
H. GRAND TOTAL										952,147
8. Projects Requested In This Program										
<u>Cat</u>						<u>Design Status</u>		<u>Cost</u>		
<u>Code</u>	<u>Project Title</u>			<u>Start</u>	<u>Complete</u>			<u>Scope</u>	<u>(\$000)</u>	
93220	Marine Corps Energy Initiative			08/2009	09/2010			0 LS	9,950	
									TOTAL	9,950
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										76,483
10. Mission or Major Functions:										
To provide reception, processing and recruit training for enlisted personnel upon their initial entry into the Marine Corps; to provide schools for officer/enlisted training in the administrative field; and to conduct other schools and training as directed by the Commandant of the Marine Corps.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH) (#):										0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M00243 MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.11

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00243 MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA			4. Project Title Marine Corps Energy Initiative	
5. Program Element 0815796M	6. Category Code 93220	7. Project Number P400	8. Project Cost (\$000) 9,950	
(B) Date 35% Design or Parametric Cost Estimate complete				03/2010
(C) Date design completed				09/2010
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				10%
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$185
(B) All other design costs				\$90
(C) Total				\$275
(D) Contract				\$250
(E) In-house				\$25
4. Contract award:				12/2010
5. Construction start:				01/2011
6. Construction complete:				01/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Patrick Casey			Phone No: (703) 695-8202	

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. Date 01 FEB 2010				
3. Installation and Location: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index 1.11					
6. Personnel Strength:		PERMANENT		STUDENTS			SUPPORT		TOTAL		
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		101	1161	643	55	28	0	1073	9101	1470	13632
B. End FY 2014		101	1147	643	55	28	0	1103	8114	1527	12718
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(23441 Acres)											
B. INVENTORY AS OF 30 SEP 2009											3,266,569
C. AUTHORIZATION NOT YET IN INVENTORY											42,380
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											190,610
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											12,241
F. PLANNED IN NEXT THREE PROGRAM YEARS											135,516
G. REMAINING DEFICIENCY											282,922
H. GRAND TOTAL											3,930,238
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
11320	Parking Apron/Taxiway Expansion	06/2009	08/2010	220808	m2	66,500					
21105	Hangar 4	08/2009	08/2010	9918	m2	33,620					
21105	Aircraft Maintenance Hangar	06/2009	08/2010	17280	m2	90,490					
						TOTAL	190,610				
9. Future Projects:											
A. Included In The Following Program:											
17135	Flight Simulator						7,144				
21105	Hangar Modifications, Phase 1						1,540				
61072	Air Command & Control Ops & Training Fac						3,557				
						TOTAL	12,241				
B. Major Planned Next Three Years:											
21106	Hangar						66,675				
21106	Hangar						41,598				
21106	Hangar						27,243				
						TOTAL	135,516				
C. R&M Unfunded Requirement (\$000):											10,129
10. Mission or Major Functions:											
To maintain and operate facilities that provide services and material and support the operation of a Marine Aircraft Wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement (*):											0
B. Occupational Safety and Health(OSH) (#):											0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.11

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Parking Apron/ Taxiway Expansion	
5. Program Element 0216496M	6. Category Code 11320	7. Project Number P152	8. Project Cost (\$000) 66,500	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
PARKING APRON/ TAXIWAY EXPANSION (2,376,758 SF)	m2	220,808		44,880
PARKING APRON/TAXIWAY EXPANSION (2,215,988 SF)	m2	205,872	182	(37,470)
TAXIWAY (146,346 SF)	m2	13,596	171	(2,320)
AIRCRAFT COMPASS CALIBRATION PAD (14,424 SF)	m2	1,340	167	(220)
LEED AND EPACT 2005 COMPLIANCE	LS			(2,400)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(1,130)
SPECIAL COSTS	LS			(850)
ANTI-TERRORISM/FORCE PROTECTION	LS			(490)
SUPPORTING FACILITIES				12,960
SITE PREPARATIONS	LS			(3,410)
PAVING AND SITE IMPROVEMENTS	LS			(3,980)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
ELECTRICAL UTILITIES	LS			(5,370)
DEMOLITION	LS			(190)
SUBTOTAL				57,840
CONTINGENCY (5%)				2,890
TOTAL CONTRACT COST				60,730
SIOH (5.7%)				3,460
SUBTOTAL				64,190
DESIGN/BUILD - DESIGN COST				2,310
TOTAL REQUEST ROUNDED				66,500
TOTAL REQUEST				66,500
10. Description of Proposed Construction:				
<p>The project constructs a parking apron and upgrades the existing asphalt taxiway to concrete in order to withstand the excessive heat associated with the MV-22 aircraft exhaust. The apron is designed to accommodate five MV-22 squadrons with 12 aircraft per squadron for a total of 60 additional aircraft. The project includes all necessary site work including cut and compaction of soil, concrete aggregate base, apron and taxiway concrete</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010														
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Parking Apron/ Taxiway Expansion															
5. Program Element 0216496M	6. Category Code 11320	7. Project Number P152	8. Project Cost (\$000) 66,500															
<p>paving and an oil water separator. Construction and post construction storm water management is included in the project. Electrical utilities include the relocation of taxiway lights. Project provides a new compass calibration pad and modifies existing helipads.</p>																		
<p>11. Requirement: <u>***** m2</u> Adequate: <u>789,712 m2</u> Substandard: <u>143,643 m2</u></p> <p>PROJECT:</p> <p>This project constructs a parking apron space to support the replacement of the CH-46 aircraft with the MV-22 aircraft. This project also upgrades the existing asphalt taxiway to concrete in order to withstand the excessive heat associated with the MV-22 exhaust. Current mission with increased aircraft load.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Provide adequate aircraft parking apron space and upgraded taxiway to support seven MV-22 squadrons at Marine Corps Air Station (MCAS) Miramar.</p> <p>CURRENT SITUATION:</p> <p>MCAS Miramar cannot provide adequate parking apron space to meet the requirements of MV-22 aircraft. Marine Air Group 16 has four squadrons of CH-46 and four squadrons of CH-53 aircraft at MCAS Miramar. The CH-46 aircraft will be replaced with MV-22 aircraft which are much larger and require additional parking apron space.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If MV-22 aircraft are relocated to MCAS Miramar without adequate facilities, a shortage of apron space would negatively impact existing CH-53 operations and would result in unsatisfactory storage and maintenance of the MV-22 aircraft. Inadequate storage and maintenance of aircraft on the apron would result in higher maintenance and operational costs, reduced apron and taxiway safety, lack of circulation and increase in foreign object debris. Ultimately, the number of MV-22 aircraft fit for operation would be reduced over time.</p>																		
<p>12. Supplemental Data:</p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>06/2009</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>01/2010</td> </tr> <tr> <td>(C) Date design completed</td> <td>08/2010</td> </tr> <tr> <td>(D) Percent completed as of September 2009</td> <td>15%</td> </tr> <tr> <td>(E) Percent completed as of January 2010</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	06/2009	(B) Date 35% Design or Parametric Cost Estimate complete	01/2010	(C) Date design completed	08/2010	(D) Percent completed as of September 2009	15%	(E) Percent completed as of January 2010	35%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	Yes
(A) Date design or Parametric Cost Estimate started	06/2009																	
(B) Date 35% Design or Parametric Cost Estimate complete	01/2010																	
(C) Date design completed	08/2010																	
(D) Percent completed as of September 2009	15%																	
(E) Percent completed as of January 2010	35%																	
(F) Type of design contract	Design Build																	
(G) Parametric Estimate used to develop cost	Yes																	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Parking Apron/ Taxiway Expansion	
5. Program Element 0216496M	6. Category Code 11320	7. Project Number P152	8. Project Cost (\$000) 66,500	
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$800
(B) All other design costs				\$400
(C) Total				\$1,200
(D) Contract				\$800
(E) In-house				\$400
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				08/2013
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Captain Matthew J. D'Agostino		Phone No: 858-577-6305		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Parking Apron/ Taxiway Expansion	
5. Program Element 0216496M	6. Category Code 11320	7. Project Number P152	8. Project Cost (\$000) 66,500	
Blank Page				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Hangar 4	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P185	8. Project Cost (\$000) 33,620	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
HANGAR 4 (106,756 SF)	m2	9,918		25,460
HANGAR ADDITION (76,510 SF)	m2	7,108	3,148.26	(22,380)
AIRCRAFT PARKING APRON (30,247 SF)	m2	2,810	193	(540)
ANTI-TERRORISM/FORCE PROTECTION	LS			(210)
LEED AND EPACT 2005 COMPLIANCE	LS			(520)
BUILT-IN EQUIPMENT	LS			(1,160)
SPECIAL COSTS	LS			(400)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(250)
SUPPORTING FACILITIES				3,780
DEMOLITION	LS			(490)
ELECTRICAL UTILITIES	LS			(730)
MECHANICAL UTILITIES	LS			(370)
SITE PREPARATIONS	LS			(190)
SPECIAL FOUNDATION FEATURES	LS			(690)
RELOCATION OF FAA LINE	LS			(770)
PAVING AND SITE IMPROVEMENTS	LS			(540)
SUBTOTAL				29,240
CONTINGENCY (5%)				1,460
TOTAL CONTRACT COST				30,700
SIOH (5.7%)				1,750
SUBTOTAL				32,450
DESIGN/BUILD - DESIGN COST				1,170
TOTAL REQUEST ROUNDED				33,620
TOTAL REQUEST				33,620
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,145)
10. Description of Proposed Construction:				
Construct addition to hangar 4 (Building 9470). Construction will include high bay (OH), shops and administrative spaces to be able to comply with the hangar requirements for CH-53 (heavy-lift) and/or MV-22 (medium-lift) aircraft. Construction will be in Seismic Zone 4.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Hangar 4	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P185	8. Project Cost (\$000) 33,620	
<p>Electrical Utilities includes relocation of existing underground utilities. Project includes installation of transformers, switchboards, panelboards, 400Hz frequency converters, interior and exterior lighting systems, telecommunication system, secure internet protocol router network, a sensitive compartmented information facility, central area television, kitchenette, overhead crane, and fire protection system that will provide proper height clearance for maintenance of the CH-53 and/or MV-22 aircraft. Mechanical utilities includes new efficient HVAC.</p> <p>Paving and site improvements include parking apron construction, road paving and restoration of all adjacent damaged paving. Site improvements also include the relocation of a mission critical Federal Aviation Administration fiber communications line which connects all of the regional air traffic control towers. Demolition work includes existing communication line removal, demolition of miscellaneous hangar components, existing electrical line removal, miscellaneous paving demolition, and personally owned vehicle parking demo for apron expansion.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>Operation and maintenance support information will be provided.</p>				
11. Requirement: <u>17,320 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT:				
<p>The project constructs an addition to Hangar 4 (Building 9470) to support the planned Marine Helicopter Training Squadron 302 (HMT-302) and MV-22 squadrons' relocation to Marine Corps Air Station (MCAS) Miramar. New overhead cranes will be installed. Electrical receptacles will be provided to accommodate the electric hydraulic carts and composite repair down draft tables. Lightning and fire protection will be installed.</p> <p>(New Mission)</p>				
REQUIREMENT:				
<p>This project is required to support the Grow the Force increased end-strength.</p>				
CURRENT SITUATION:				
<p>MCAS Miramar cannot provide adequate hangar spaces to meet the requirements of MV-22 aircraft. Hangar 4 (Building 9470) is a double bay hangar that will support CH-53 squadron with six aircraft with unfolded rotors in a standard side by side parking configuration with 7 feet clearance between</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Hangar 4	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P185	8. Project Cost (\$000) 33,620	
<p>aircraft. The existing minimum/maximum ceiling heights are much lower than that recommended for the majority of hangar based maintenance. Hangar 4 maximum/minimum ceiling height is sloping forward to aft 42.9 Ft./34.6 Ft., respectively, while the clear hook height of the existing bridge crane is 29.0 Ft. The low ceiling and crane hook height make it impossible to transition, under certain aircraft conditions, into the full maintenance mode without potential damage to the prop rotor blades. In addition, steel framed trusses that were not removed when the hangar was extended in 1999 interfere with towing the aircraft in and out of the hangar.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If this facility is not provided, the first squadrons of MV-22 will stand up at MCAS Miramar with no hangars available to perform required maintenance on the aircraft. Maintenance will have to be performed on the flight lines which will require an increase in portable lighting, support equipment and portable cranes. Costly aircraft components will be exposed to the elements. Inadequate hangar space will result in maintenance and training delays, an increase in maintenance man hours per flight hour, and a serious compromise of the squadron's ability to execute the missions.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				08/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$500
(B) All other design costs				\$200
(C) Total				\$700
(D) Contract				\$500
(E) In-house				\$200
4. Contract award:				02/2011
5. Construction start:				04/2011
6. Construction complete:				10/2013

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Hangar 4	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P185	8. Project Cost (\$000) 33,620	
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Furnishings, Fixtures & Equipment		O&MMC	2012	2,000
Physical Security Equipment		PMC	2012	145
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.				
Activity POC: Captain Matthew J. D'Agostino		Phone No: 858-577-6305		

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM		2. Date 01 FEB 2010	
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Aircraft Maintenance Hangar		
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P192	8. Project Cost (\$000) 90,490		
9. COST ESTIMATES					
Item		UM	Quantity	Unit Cost	Cost(\$000)
AIRCRAFT MAINTENANCE HANGAR (186,000 SF)		m2	17,280		69,270
AIRCRAFT MAINTENANCE HANGAR (151,556 SF)		m2	14,080	4,367	(61,490)
AIRCRAFT ACCESS APRON (34,445 SF)		m2	3,200	198	(630)
ANTI-TERRORISM/FORCE PROTECTION		LS			(610)
BUILT-IN EQUIPMENT		LS			(3,580)
OPERATION & MAINTENANCE SUPP INFO (OMSI)		LS			(1,020)
LEED AND EPACT 2005 COMPLIANCE		LS			(1,120)
SPECIAL COSTS		LS			(820)
SUPPORTING FACILITIES					9,430
PAVING AND SITE IMPROVEMENTS		LS			(1,320)
MECHANICAL UTILITIES		LS			(670)
OUTSIDE COMMUNICATIONS LINES		LS			(10)
SITE PREPARATIONS		LS			(2,260)
SPECIAL FOUNDATION FEATURES		LS			(450)
ELECTRICAL UTILITIES		LS			(4,650)
ANTI-TERRORISM/FORCE PROTECTION		LS			(70)
SUBTOTAL					78,700
CONTINGENCY (5%)					3,940
TOTAL CONTRACT COST					82,640
SIOH (5.7%)					4,710
SUBTOTAL					87,350
DESIGN/BUILD - DESIGN COST					3,150
TOTAL REQUEST ROUNDED					90,500
TOTAL REQUEST					90,490
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)					(660)
10. Description of Proposed Construction:					
Construct a concrete masonry unit building on reinforced concrete slab on grade foundation with structural steel framing, steel roof trusses and pre-					

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P192	8. Project Cost (\$000) 90,490	
<p>finished insulated metal roof. Building will provide a hangar bay, maintenance shop, administrative spaces, operations offices and kitchenette for homeported MV-22 Squadrons. Built-in equipment includes one hydraulic elevator, two 7-ton overhead cranes with 42 feet hook height. Facility will be a flexible use facility in support of maintenance of other aircraft. Project also includes operation and maintenance support information and information systems. Special costs include seismic adjustment and a fire alarm system.</p> <p>Supporting facilities work includes site and building utility connections (water, telecommunication, electrical, sanitary and storm sewers, natural gas, and local area network. Special construction features include sanitary sewer pumping station. Electrical system provides the main power supply and distribution for fixed point utility systems, central equipment operations and central facilities building services and distribution of 400Hz and 60Hz power to aircraft hangar and parking apron service points which includes transformers, switchgears, circuit breaker distribution panels, 400Hz solid state converters, and motor control center. It also includes lighting system, Next Generation Intranet Support, Secret Internet Protocol Router Network, electronic security system, and photovoltaic features. Mechanical utilities include HVAC, plumbing and compressed air system. Fire protection including fire pumps, sprinklers, aqueous film foam system and containment. Site preparations include excavation/grading, borrow and fill, grubbing, and site clean-up. Paving and site improvements include hangar access apron; vehicle parking lot; paved roadway; sidewalks; landscaping and irrigation; pedestrian and bicycling features; stormwater drainage improvements; and fencing and gates.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
<p>11. Requirement: <u>10,386 m2</u> Adequate: Substandard:</p> <p>PROJECT:</p> <p>This project constructs two aircraft maintenance hangar modified type II modules. This hangar will provide maintenance, crew and equipment, and administrative spaces for two operational squadrons of MV-22 aircraft.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>The project is required to support the Grow the Force increased end-strength necessary for the Marine Corps.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010																														
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Aircraft Maintenance Hangar																															
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P192	8. Project Cost (\$000) 90,490																															
<p>CURRENT SITUATION:</p> <p>Operational hangar (OH) space is required to provide weather protected shelter for inspection, servicing, maintenance and emergency shelter for operational aircraft. A squadron of twelve aircraft will require sufficient OH space to accommodate four aircraft. Three aircraft will be in a flight ready condition and one aircraft will be in a full stow configuration. Currently, Marine Corps Air Station (MCAS) Miramar does not have enough hangar space to support projected increase of MV-22 squadrons and aircraft.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If this facility is not provided, the first squadrons of MV-22 aircraft will stand up at MCAS Miramar with no hangars available to perform all required maintenance on the aircraft. Maintenance will have to be performed on the flightline which will require an increase in portable lighting, support equipment and portable cranes where costly aircraft components are exposed to the elements. Delaying this project may result in the delayed introduction of required capabilities to the Marine Corps.</p>																																		
<p>12. Supplemental Data:</p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>06/2009</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>01/2010</td> </tr> <tr> <td>(C) Date design completed</td> <td>08/2010</td> </tr> <tr> <td>(D) Percent completed as of September 2009</td> <td>15%</td> </tr> <tr> <td>(E) Percent completed as of January 2010</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>Yes</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td>N/A</td> </tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$900</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$500</td> </tr> <tr> <td>(C) Total</td> <td>\$1,400</td> </tr> <tr> <td>(D) Contract</td> <td>\$900</td> </tr> <tr> <td>(E) In-house</td> <td>\$500</td> </tr> </table> <p>4. Contract award: 01/2011</p> <p>5. Construction start: 05/2011</p> <p>6. Construction complete: 08/2013</p>					(A) Date design or Parametric Cost Estimate started	06/2009	(B) Date 35% Design or Parametric Cost Estimate complete	01/2010	(C) Date design completed	08/2010	(D) Percent completed as of September 2009	15%	(E) Percent completed as of January 2010	35%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	Yes	(H) Energy Study/Life Cycle Analysis performed	Yes	(A) Standard or Definitive Design	No	(B) Where design was previously used	N/A	(A) Production of plans and specifications	\$900	(B) All other design costs	\$500	(C) Total	\$1,400	(D) Contract	\$900	(E) In-house	\$500
(A) Date design or Parametric Cost Estimate started	06/2009																																	
(B) Date 35% Design or Parametric Cost Estimate complete	01/2010																																	
(C) Date design completed	08/2010																																	
(D) Percent completed as of September 2009	15%																																	
(E) Percent completed as of January 2010	35%																																	
(F) Type of design contract	Design Build																																	
(G) Parametric Estimate used to develop cost	Yes																																	
(H) Energy Study/Life Cycle Analysis performed	Yes																																	
(A) Standard or Definitive Design	No																																	
(B) Where design was previously used	N/A																																	
(A) Production of plans and specifications	\$900																																	
(B) All other design costs	\$500																																	
(C) Total	\$1,400																																	
(D) Contract	\$900																																	
(E) In-house	\$500																																	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67865 MCAS MIRAMAR SAN DIEGO, CALIFORNIA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P192	8. Project Cost (\$000) 90,490	
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Collateral Equipment		O&MMC	2012	530
PSE		OPN	2012	130
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.				
Activity POC: Captain Matthew J. D'Agostino		Phone No: 858-577-6305		

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: N00246 NAVBASE CORONADO SAN DIEGO, CALIFORNIA					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.11			
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		1699	12632	3496	0	0	0	300	985	0	19112
B. End FY 2014		2037	15578	3499	0	0	0	300	985	0	22399
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(2804 Acres)											
B. INVENTORY AS OF 30 SEP 2009											3,921,360
C. AUTHORIZATION NOT YET IN INVENTORY											60,527
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											67,160
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											60,440
F. PLANNED IN NEXT THREE PROGRAM YEARS											58,438
G. REMAINING DEFICIENCY											766,986
H. GRAND TOTAL											4,934,911
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
21105	Rotary Hangar	07/2009	06/2010			25275 m2	67,160				
							TOTAL	67,160			
9. Future Projects:											
A. Included In The Following Program:											
74044 MWR Fitness Center, NASNI											60,440
							TOTAL	60,440			
B. Major Planned Next Three Years:											
72111 BQ (HPA-IAP)											58,438
							TOTAL	58,438			
C. R&M Unfunded Requirement (\$000):											1,129,911
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. Supports Helicopter Airlift Squadrons, Reserve Squadrons, and anti-submarine warfare Helicopter Squadrons. Homeport for three aircraft carriers.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement (*):											0
B. Occupational Safety and Health(OSH) (#):											0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N00246 NAVBASE CORONADO SAN DIEGO, CALIFORNIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.11

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N00246 NAVBASE CORONADO SAN DIEGO, CALIFORNIA			4. Project Title Rotary Hangar	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P750	8. Project Cost (\$000) 67,160	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ROTARY HANGAR (272,058 SF)	m2	25,275		52,290
COMMUNICATIONS STATION (301 SF)	m2	28	6,190.24	(170)
MAINTENANCE HANGAR (111,762 SF)	m2	10,383	3,981.85	(41,340)
AIRCRAFT PARKING APRON (159,995 SF)	m2	14,864	256.95	(3,820)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,330)
BUILT-IN EQUIPMENT	LS			(1,320)
SPECIAL COSTS	LS			(3,550)
ANTI-TERRORISM/FORCE PROTECTION	LS			(250)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(510)
SUPPORTING FACILITIES				6,110
PAVING AND SITE IMPROVEMENTS	LS			(750)
DEMOLITION	LS			(20)
ELECTRICAL UTILITIES	LS			(1,880)
SPECIAL FOUNDATION FEATURES	LS			(2,330)
MECHANICAL UTILITIES	LS			(510)
ENVIRONMENTAL MITIGATION	LS			(520)
SITE PREPARATIONS	LS			(100)
SUBTOTAL				58,400
CONTINGENCY (5%)				2,920
TOTAL CONTRACT COST				61,320
SIOH (5.7%)				3,500
SUBTOTAL				64,820
DESIGN/BUILD - DESIGN COST				2,340
TOTAL REQUEST ROUNDED				67,160
TOTAL REQUEST				67,160
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(5,300)
10. Description of Proposed Construction:				
Construct a multi-story, steel framed, three-bay maintenance hangar with				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N00246 NAVBASE CORONADO SAN DIEGO, CALIFORNIA			4. Project Title Rotary Hangar	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P750	8. Project Cost (\$000) 67,160	
<p>concrete foundation, concrete first and second floors, interior partitions, steel roof deck, masonry walls and a pile foundation. Includes electrical and mechanical utilities, power check pad, engine wash pad, compressed air building, secure communications connections, aircraft parking apron and roadway. Built-in equipment includes an elevator, back-up generators and a closed loop wash rack system. Special construction features include sound attenuation for administration and shop space and an aqueous film-forming foam fire protection system.</p> <p>The project also upgrades electrical power for the new MH-60S/R helicopters by installing a 1500 kVA transformer and secondary switchboard and constructs a 12kV duct bank with conductors, manholes and switch. A 5-ton crane is provided from other appropriations.</p> <p>The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development, and construction of the project.</p>				
11. Requirement: <u>51,557 m2</u> Adequate: <u>21,143 m2</u> Substandard: <u>18,627 m2</u> PROJECT: Construct a helicopter maintenance hangar facility to support additional helicopters being assigned to Naval Air Station North Island (NASNI). (Current Mission) REQUIREMENT: Adequate aircraft maintenance facilities are required for MH-60S/R helicopters. Each squadron requires one standard module of maintenance facility space and adequate parking apron space to meet mission requirements. This project supports the transition plan for the expansion of helicopter concept of operations, including the use of MH-60S/R helicopters in expeditionary warfare. CURRENT SITUATION: Currently, 135 H-60 type aircraft in 14 squadrons are assigned to NASNI. These squadrons utilize approximately 560,000 square feet in six hangars including a work-around to share space in a World War II (WWII) era, fixed wing hangar not properly configured for helicopter maintenance. By 2013, the helicopter loading at NASNI will have increased to 17 squadrons for a total of 190 helicopters and require an additional 120,000 square feet of maintenance facilities. There is not enough available maintenance hangar, maintenance shop, administrative space or aircraft parking apron to support the new helicopter loading at NASNI.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N00246 NAVBASE CORONADO SAN DIEGO, CALIFORNIA			4. Project Title Rotary Hangar	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P750	8. Project Cost (\$000) 67,160	
<p>The new MH-60S/R airframes require more electrical power to supply larger 400hz external power modules than the older aircraft and existing facilities lack this capacity. The existing 300-series hangars were built before WWII for fixed wing aircraft. The hangars lack size, adequate utilities, fire suppression, proximity to aircraft parking and administrative space to meet the present-day aircraft maintenance mission.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Without this project, the operational readiness of MH-60S/R squadrons and supported fleet assets will be severely degraded. Parking aprons will become crowded and dangerous. Lack of adequate maintenance hangar facilities will force maintenance to be provided at other installations, increasing operational costs and decreasing helicopter readiness. Maintenance hangar space must be obtained to accommodate additional rotary aircraft by 2013.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$691
(B) All other design costs				\$691
(C) Total				\$1,382
(D) Contract				\$691
(E) In-house				\$691
4. Contract award:				12/2010
5. Construction start:				01/2011
6. Construction complete:				02/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N00246 NAVBASE CORONADO SAN DIEGO, CALIFORNIA			4. Project Title Rotary Hangar	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P750	8. Project Cost (\$000) 67,160	
Collateral Equipment		OMN	2012	5,300
<p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.</p>				
Activity POC: Dan Barosso			Phone No: 619-767-7259	

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.11			
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		2174	17561	5144	0	240	0	142	1164	0	26425
B. End FY 2014		2218	18461	5144	0	240	0	175	1582	0	27820
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(2751 Acres)											
B. INVENTORY AS OF 30 SEP 2009											4,841,568
C. AUTHORIZATION NOT YET IN INVENTORY											22,410
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											183,756
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											98,163
G. REMAINING DEFICIENCY											1,272,347
H. GRAND TOTAL											6,418,244
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>						
15120	Berthing Pier 12 Replacement & Dredging, Ph 1	07/2009	06/2010	0 LS	108,414						
72111	Bachelor Enlisted Quarters, Homeport Ashore	07/2009	06/2010	41454 m2	75,342						
TOTAL											183,756
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
15120	Pier 8 Replacement										66,995
85115	Port Operations (Paleta Creek) Boat Ramp										3,388
74044	PHYSICAL FITNESS FACILITY, DRYSIDE NBSD										27,780
TOTAL											98,163
C. R&M Unfunded Requirement (\$000):											417,733
10. Mission or Major Functions:											
Provide homeport facilities for warships, amphibious ships, and auxiliaries of the Pacific Fleet. Provide harbor and waterfront facilities, exchange, personnel support, athletic, recreational, berthing, messing, morale, and other logistics facilities.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement (*):											0
B. Occupational Safety and Health(OSH) (#):											0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.11
<p>Blank Page</p>		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA			4. Project Title Berthing Pier 12 Repl & Dredging, Ph 1	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P327	8. Project Cost (\$000) 108,414	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BERTHING PIER 12 REPL & DREDGING, PH 1	LS			83,740
PIER ELECTRICAL UTILITIES (3,000 LF)	m	914.4	19,124.61	(17,490)
PIER 13 ELECTRICAL UPGRADE	EA	1	3,958,445.86	(3,960)
PIER MECHANICAL UTILITIES (3,000 LF)	m	914.4	4,644.88	(4,250)
PIER STRUCT. & PILE FOUNDA. (175,506 SF)	m2	16,305	1,935.31	(31,560)
FENDERING	m	925	5,168.42	(4,780)
DREDGING - UPLAND DISPOSAL	m3	166,867	117.18	(19,550)
STORMWATER SYSTEM	m	925	99.51	(90)
LEED AND EPACT 2005 COMPLIANCE	LS			(650)
SPECIAL COSTS	LS			(1,000)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(410)
SUPPORTING FACILITIES				10,550
ANTI-TERRORISM/FORCE PROTECTION	LS			(880)
SPECIAL CONSTRUCTION FEATURES	LS			(240)
MECHANICAL UTILITIES	LS			(790)
ENVIRONMENTAL MITIGATION	LS			(620)
PAVING AND SITE IMPROVEMENTS	LS			(880)
DEMOLITION	LS			(1,480)
ELECTRICAL UTILITIES	LS			(5,660)
SUBTOTAL				94,290
CONTINGENCY (5%)				4,710
TOTAL CONTRACT COST				99,000
SIOH (5.7%)				5,640
SUBTOTAL				104,640
DESIGN/BUILD - DESIGN COST				3,770
TOTAL REQUEST ROUNDED				108,410
TOTAL REQUEST				108,414
EQUIPMENT FROM OTHER				(3,380)
APPROPRIATIONS (NON ADD)				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA			4. Project Title Berthing Pier 12 Repl & Dredging, Ph 1	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P327	8. Project Cost (\$000) 108,414	
10. Description of Proposed Construction:				
<p>Construct a general purpose berthing pier to replace the existing Pier 12. The pier structure consists of prestressed concrete piles supporting a concrete deck.</p> <p>Pier electrical utilities include four unit substations and four switches (w/breakers) including ducts and conductors (cables), and two 4160 volt skid type transformers (10 MVA) on Pier 12.</p> <p>Pier mechanical utilities include potable water, sanitary sewer, compressed air, oily waste and water systems. Additional ship-to-shore utilities include electrical, telephone, cable television, fiber optic communications, supervisory control & data acquisition system for energy monitoring and control, and fire alarm.</p> <p>Pier 13 upgrades include one 4160 volt skid type transformer (10 MVA) and all new equipment and cabling. The scope of work includes providing a new concrete equipment slab with containment curbs. Install removable bollards in containment berm adjacent the fire lane. Install a four way switch. Provide medium voltage cabling and terminations between the switch and transformer load interrupter switch. Upgrade the existing loop feeder.</p> <p>Fender system includes concrete and plastic piles with foam-filled fenders at the berths and plastic log camels.</p> <p>The project requires dredging with upland disposal.</p> <p>Supporting facilities include utilities upgrades to the existing feeder line between South Cummings Substation and switch station (SS) R (800A to 2,000A), and from SS R to Piers 12 and 13. Paving and site improvements include repaving pier approaches and storm water pollution prevention measures. The project requires environmental mitigation to avoid impact to the nearby least tern nesting site.</p> <p>Demolish existing Pier 12 (4064 m2).</p> <p>The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development, and construction of the project.</p>				
11. Requirement:				
PROJECT:		Adequate:	Substandard:	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA			4. Project Title Berthing Pier 12 Repl & Dredging, Ph 1	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P327	8. Project Cost (\$000) 108,414	
<p>Construct a new single deck concrete general purpose berthing pier to replace existing Pier 12 and upgrade electrical utilities on Pier 13 to include one 4160 volt transformer (10 MVA).</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Adequate ship berthing is required to support the mix of Pacific Fleet ships homeported at Naval Base San Diego (NBSD). The berthing requirement for the 70 ships homeported is 47 based on an average in-port factor of 67 percent. A 4160 volt transformer on Pier 13 is required to support LHA-6 ships that are scheduled to be homeported at NBSD in 2013.</p> <p>CURRENT SITUATION:</p> <p>Pier 12 is inadequate based on condition and operational constraints, with reduced operating capacity and deficiencies that include inadequate utilities, structural deterioration, load restrictions and inadequate deck width of only 30 feet to support current and future ship berthing operations. Currently, NBSD has only one berth (Pier 10) for ships requiring 4160V power. This pier is the primary berthing place for USS Makin Island (LHD 8)</p> <p>The existing Pier 12 was constructed in 1946. The pier is not compliant with current structural or seismic criteria. The deck is in poor condition. There is concrete spalling in numerous locations above and below deck, as well as the bottom of the pile caps and along the top of the concrete bearing piles. Concrete curbs on the deck edges are cracked and broken in many areas and sections of corroded steel reinforcement are exposed, creating unsafe working conditions to personnel, especially during berthing operations. Utilities on the pier are in poor condition. The maximum crane loading restricts Pier 12 to 35-ton cranes in limited areas of the pier, with specific outrigger placement, and limited forklifts to 6,000 lb capacity. There is no oily waste system on Pier 12, and due to the narrow width of the pier and load restrictions, tanker trucks remain on shore, pumping the waste along the length of the pier. The limited width of the pier also precludes any ship maintenance or large loading of ships stores. There is no adequate fire lane on the pier.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>NBSD will not be able to properly support berthing of current homeported ships or future ship classes. The deck will continue to pose unsafe working conditions. NBSD will also be unable to provide ship to shore power for the LHA-6 class ships. Visiting ships requiring 4160V power would be required to run on ship power while in port. Without dredging, existing draft requirements would not be met.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA			4. Project Title Berthing Pier 12 Repl & Dredging, Ph 1	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P327	8. Project Cost (\$000) 108,414	
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				02/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$2,080
(B) All other design costs				\$2,080
(C) Total				\$4,160
(D) Contract				\$2,000
(E) In-house				\$2,160
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				03/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment (Various)	OPN	2011	2,880	
Physical Security Equipment	OPN	2011	500	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Matt Baiza		Phone No: 619 556 0325		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA			4. Project Title Bachelor Enlisted Quarters, Homeport Ashore	
5. Program Element 0212276N	6. Category Code 72111	7. Project Number P405	8. Project Cost (\$000) 75,342	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BACHELOR ENLISTED QUARTERS, HOMEPORT ASHORE (446,207 SF)	m2	41,454		63,390
PARKING STRUCTURE (284,167 SF)	m2	26,400	554.81	(14,650)
BACHELOR ENLISTED QUARTERS (E1-E4) (162,040 SF)	m2	15,054	2,636.07	(39,680)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1,490)
LEED AND EPACT 2005 COMPLIANCE	LS			(2,040)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(620)
INFORMATION SYSTEMS	LS			(2,430)
BUILT-IN EQUIPMENT	LS			(1,770)
SPECIAL COSTS	LS			(710)
SUPPORTING FACILITIES				2,130
PAVING AND SITE IMPROVEMENTS	LS			(960)
SPECIAL CONSTRUCTION FEATURES	LS			(130)
SPECIAL FOUNDATION FEATURES	LS			(270)
ELECTRICAL UTILITIES	LS			(200)
SITE PREPARATIONS	LS			(180)
DEMOLITION	LS			(280)
MECHANICAL UTILITIES	LS			(110)
SUBTOTAL				65,520
CONTINGENCY (5%)				3,280
TOTAL CONTRACT COST				68,800
SIOH (5.7%)				3,920
SUBTOTAL				72,720
DESIGN/BUILD - DESIGN COST				2,620
TOTAL REQUEST ROUNDED				75,340
TOTAL REQUEST				75,342
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(3,650)
10. Description of Proposed Construction:				
The project constructs a high-rise concrete bachelor enlisted quarters (BEQ) building with slab on grade and pile foundation; concrete floors and				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA			4. Project Title Bachelor Enlisted Quarters, Homeport Ashore	
5. Program Element 0212276N	6. Category Code 72111	7. Project Number P405	8. Project Cost (\$000) 75,342	
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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				Yes
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$2,770
(B) All other design costs				\$930
(C) Total				\$3,700
(D) Contract				\$930
(E) In-house				\$2,770
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				03/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Furniture, Furnishings and Equipment		OMN	2013	3,650
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Matthew Baiza			Phone No: 619-556-0325	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA			4. Project Title Bachelor Enlisted Quarters, Homeport Ashore	
5. Program Element 0212276N	6. Category Code 72111	7. Project Number P405	8. Project Cost (\$000) 75,342	
<p>Blank Page</p>				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. Date 01 FEB 2010				
3. Installation and Location: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index 1.28					
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL	
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		233	917	1187	10	2502	1	613	9383	2162	
B. End FY 2014		276	857	1205	10	2502	1	672	10311	2182	
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(605375 Acres)											
B. INVENTORY AS OF 30 SEP 2009										3,563,986	
C. AUTHORIZATION NOT YET IN INVENTORY										310,199	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										53,158	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										10,045	
F. PLANNED IN NEXT THREE PROGRAM YEARS										0	
G. REMAINING DEFICIENCY										732,309	
H. GRAND TOTAL										4,669,697	
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>					
<u>Code</u>		<u>Project Title</u>			<u>Start Complete</u>		<u>Scope</u>		<u>(\$000)</u>		
72124		BEQ and Parking Structure			07/2009 04/2010		9065 m2		53,158		
							TOTAL		53,158		
9. Future Projects:											
A. Included In The Following Program:											
21440 Maintenance Sunshades, Tracked										10,045	
										TOTAL	10,045
B. Major Planned Next Three Years:											
C. R&M Unfunded Requirement (\$000):										132,459	
10. Mission or Major Functions:											
To provide housing, training facilities, logistical and administrative support for Fleet Marine Force units and other organizations or activities designated by the Commandant of the Marine Corps. To provide combined arms training for Fleet Marine Force units, both active and reserve.											
To provide formal school training for personnel in the field of communications-electronics and conduct other schools and training as directed by the Commandant of the Marine Corps.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):										0	
B. Occupational Safety and Health(OSH) (#):										0	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.28

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA			4. Project Title BEQ and Parking Structure	
5. Program Element 0815796M	6. Category Code 72124	7. Project Number P163	8. Project Cost (\$000) 53,158	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BEQ AND PARKING STRUCTURE (97,574 SF)	m2	9,064.88		34,420
BEQ (97,574 SF)	m2	9,064.88	3,330.36	(30,190)
SPECIAL COSTS	LS			(480)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(410)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1,040)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,220)
BUILT-IN EQUIPMENT	LS			(1,080)
SUPPORTING FACILITIES				11,810
PAVING AND SITE IMPROVEMENTS	LS			(1,370)
SITE PREPARATIONS	LS			(220)
SPECIAL FOUNDATION FEATURES	LS			(1,290)
ELECTRICAL UTILITIES	LS			(430)
SPECIAL CONSTRUCTION FEATURES	LS			(250)
PARKING GARAGE	LS			(7,470)
MECHANICAL UTILITIES	LS			(640)
ANTI-TERRORISM/FORCE PROTECTION	LS			(140)
SUBTOTAL				46,230
CONTINGENCY (5%)				2,310
TOTAL CONTRACT COST				48,540
SIOH (5.7%)				2,770
SUBTOTAL				51,310
DESIGN/BUILD - DESIGN COST				1,850
TOTAL REQUEST ROUNDED				53,160
TOTAL REQUEST				53,158
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,449)
10. Description of Proposed Construction:				
Construct a high-rise reinforced concrete masonry unit (CMU) block bachelor enlisted quarters (BEQ) for 384 personnel, in standard 2+0 configuration with private bathroom facilities. Includes fire suppression and alarm systems, reinforced concrete foundation and floors, and standing seam metal				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA			4. Project Title BEQ and Parking Structure	
5. Program Element 0815796M	6. Category Code 72124	7. Project Number P163	8. Project Cost (\$000) 53,158	
<p>roof. Community and service core areas consist of laundry facilities, multipurpose rooms, lounges, resource center, offices, Next Generation Intranet support space (telecommunications room), housekeeping areas, mechanical/electrical/circulation spaces, communal areas, and public restrooms. The project provides construction in compliance with current seismic requirements.</p> <p>Built-in equipment includes Americans for Disabilities Act (ADA) compliant passenger/service elevators. The public areas of the project comply with the ADA. Other costs include Outside Plant (OSP) and OSP connect costs for communication systems. Project includes operation and maintenance support information.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>Special construction features provide a concrete retaining wall and structural fill.</p> <p>Electrical systems include communications, electrical distribution, exterior lighting, transformer, and an equipment yard. Information systems include wiring for local area network, telephone, public address, cable television.</p> <p>Mechanical systems include water utilities, sanitary sewer utilities, energy management control system, and an equipment yard. The pitched standing seam metal roof required by the Base Exterior Architecture Plan (BEAP) cannot accommodate the mechanical equipment, therefore, an enclosed, mechanical yard will be required to house mechanical units.</p> <p>Paving and site improvements provide for roadway access, parking, curbs and gutters, sidewalks, landscaping, pedestrian features, and storm-water drainage improvements. Also includes storm-water pollution prevention plan.</p> <p>This project also constructs a multilevel parking garage for the BEQ, providing approximately 540 parking spaces, with reinforced concrete foundation, floors, and columns with CMU walls and paved parking lots.</p>				
11. Requirement: <u>7,185 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA			4. Project Title BEQ and Parking Structure	
5. Program Element 0815796M	6. Category Code 72124	7. Project Number P163	8. Project Cost (\$000) 53,158	
<p>Provides living space for 384 Marines and parking at Twentynine Palms. Project constructs barracks space and parking to support the Grow the Force increased end strength. A parking garage is being built as opposed to paved parking because of space constraints in the immediate area and the subsequent inability to meet required ATRP stand off distances.</p> <p>(New Mission)</p> <p>REQUIREMENT: Adequate billeting facilities are required to support the Marines training at Twentynine Palms. This project is required to support the Grow The Force increased end strength.</p> <p>CURRENT SITUATION: Barracks facilities at Twentynine Palms do not exist to support the increase in Marines due to the Grow The Force Initiative.</p> <p>IMPACT IF NOT PROVIDED: Failure to provide these essential facilities will result in a shortage of facilities for Marines stationed at Marine Corps Air Ground Combat Center (MCAGCC) Twentynine Palms.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				04/2010
(D) Percent completed as of September 2009				15%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,363
(B) All other design costs				\$230
(C) Total				\$1,593
(D) Contract				\$1,363
(E) In-house				\$230
4. Contract award:				11/2010
5. Construction start:				01/2011
6. Construction complete:				11/2012
B. Equipment associated with this project which will be provided from				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA			4. Project Title BEQ and Parking Structure	
5. Program Element 0815796M	6. Category Code 72124	7. Project Number P163	8. Project Cost (\$000) 53,158	
other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	
Collateral Equipment		O&MMC	2012	1,055
NGEN Support		O&MMC	2012	1,394
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Sadlier, Gwynn			Phone No: 760-830-5188	

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. Date 01 FEB 2010			
3. Installation and Location: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index .89				
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
A. As Of 09-30-09		13	81	184	0	0	0	0	0	0
B. End FY 2014		13	82	184	0	0	0	0	0	0
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(1390 Acres)										
B. INVENTORY AS OF 30 SEP 2009										295,741
C. AUTHORIZATION NOT YET IN INVENTORY										2,670
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										74,620
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										54,680
H. GRAND TOTAL										427,711
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>			
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>					
21410	Paint And Blast Facility	09/2009	07/2010	4531 m2	18,840					
15310	Container Staging and Loading Lot	08/2009	05/2010	3994 m3	5,990					
15310	Hardstand Extension	08/2009	05/2010	19236 m3	17,930					
44111	Consolidated Warehouse Facility	08/2009	06/2010	9299 m2	17,260					
21455	Washrack Expansion	08/2009	08/2010	4462 m2	9,690					
15310	Container Storage Lot	08/2009	06/2010	3923 t	4,910					
TOTAL										74,620
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										0
10. Mission or Major Functions:										
Blount Island Command plans, coordinates & executes the logistics efforts in support of Maritime Prepositioning Force (MPF) and Global Prepositioning Program - Norway (GPP-N) Programs.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement (*):										0
B. Occupational Safety and Health(OSH) (#):										0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index .89

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Paint and Blast Facility	
5. Program Element 0702896M	6. Category Code 21410	7. Project Number P005	8. Project Cost (\$000) 18,840	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
PAINT AND BLAST FACILITY (48,775 SF)	m2	4,531.3		10,840
PAINT AND BLAST FACILITY (48,775 SF)	m2	4,531.3	1,625	(7,360)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(80)
SPECIAL COSTS	LS			(550)
BUILT-IN EQUIPMENT	LS			(2,240)
ANTI-TERRORISM/FORCE PROTECTION	LS			(80)
LEED AND EPACT 2005 COMPLIANCE	LS			(530)
SUPPORTING FACILITIES				5,540
ELECTRICAL UTILITIES	LS			(340)
PAVING AND SITE IMPROVEMENTS	LS			(720)
DEMOLITION	LS			(300)
MECHANICAL UTILITIES	LS			(1,070)
SITE PREPARATIONS	LS			(930)
SPECIAL FOUNDATION FEATURES	LS			(2,180)
SUBTOTAL				16,380
CONTINGENCY (5%)				820
TOTAL CONTRACT COST				17,200
SIOH (5.7%)				980
SUBTOTAL				18,180
DESIGN/BUILD - DESIGN COST				660
TOTAL REQUEST ROUNDED				18,840
TOTAL REQUEST				18,840
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(695)
10. Description of Proposed Construction:				
<p>Project constructs a paint and blast facility to include administrative area and high bay areas sized to handle the largest equipment requirements at Marine Corps Support Facility, Blount Island (MCSF-BI). The entire facility shall be pile supported with concrete pile caps, grade beams and a structural slab. The high bay areas and high bay support spaces shall be in a metal building structure with architectural block exterior with metal</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Paint and Blast Facility	
5. Program Element 0702896M	6. Category Code 21410	7. Project Number P005	8. Project Cost (\$000) 18,840	
the size, type and volume of equipment now being processed by MCSF-BI. IMPACT IF NOT PROVIDED: Inadequately sized and configured facilities will continue to limit production capabilities due to workarounds required to process over-sized equipment and the lack of a paint curing booth.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				07/2010
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				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 previously used				P568 Kings Bay, Georgia
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$490
(B) All other design costs				\$160
(C) Total				\$650
(D) Contract				\$600
(E) In-house				\$50
4. Contract award:				12/2010
5. Construction start:				04/2011
6. Construction complete:				11/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
150T Marine Travellift		PMC	2012	695
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Container Staging and Loading Lot	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P012	8. Project Cost (\$000) 5,990	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CONTAINER STAGING AND LOADING LOT (5,224 CY)	m3	3,994		1,880
CONCRETE PAVEMENT (5,224 CY)	m3	3,994	305.8	(1,220)
SPECIAL COSTS	LS			(660)
SUPPORTING FACILITIES				3,330
SITE PREPARATIONS	LS			(270)
ELECTRICAL UTILITIES	LS			(580)
PAVING AND SITE IMPROVEMENTS	LS			(2,000)
MECHANICAL UTILITIES	LS			(80)
DEMOLITION	LS			(400)
SUBTOTAL				5,210
CONTINGENCY (5%)				260
TOTAL CONTRACT COST				5,470
SIOH (5.7%)				310
SUBTOTAL				5,780
DESIGN/BUILD - DESIGN COST				210
TOTAL REQUEST ROUNDED				5,990
TOTAL REQUEST				5,990
10. Description of Proposed Construction:				
<p>This project will construct a paved concrete container staging and loading area adjacent to Berth One on the south side of the slipway. This location is critical due to its close proximity to Berth One and the container movement process. This project also includes site lighting, fire hydrants, and storm water collection and conveyance. By relocating the existing container loading, staging, and storage area next to Berth One it will allow for simultaneous roll off/roll on and lift off/lift on operations, thus maximizing efficiency and mitigating the presently unsafe intersection near the stern of the ship. Demolition work includes removing a gantry beam and railroad tracks.</p>				
11. Requirement: <u>3,994 m3</u> Adequate: <u>0 m3</u> Substandard: <u>0 m3</u>				
PROJECT:				
The project creates a paved concrete apron for staging containers prior to onload and after ship download.				
Collected stormwater is to be conveyed to Pond C of the Base Stormwater				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Container Staging and Loading Lot	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P012	8. Project Cost (\$000) 5,990	
<p>Master Plan. This project is also to install stormwater pipes required by the Stormwater Master Plan.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Blount Island Command is the hub of the Marine Corps' pre-positioning programs and a key enabler to expeditionary forces. There are a total of 16 vessels used for prepositioning nearly 65% of the Marine Corps warfighting capability.</p> <p>The container staging and loading lot is required to meet the Command's logistical requirements and support current mission requirements. The installation has also taken on Logistics Command (LOGCOM) Forward requirements, receiving all US Marine Corps retrograde returning from conflict areas. This responsibility involves the receipt of significantly more equipment and containers than encountered previously. By relocating the existing container loading, staging, and storage area next to Berth One, simultaneous roll off/roll on and lift off/lift on operations will be allowed, thereby maximizing efficiency and mitigating the presently unsafe intersection near the stern of the ship.</p> <p>Traffic congestion issues associated with offload and onload of vessels will be alleviated.</p> <p>CURRENT SITUATION:</p> <p>At present, container staging takes place on the Installation Intermodal Lot, an approximately 25 acre hardstand where containers and vehicles preparing to be loaded or following offload from a Maritime Prepositioning Force (MPF) vessel are placed. Containers are moved on Berth One, which requires them to pass through the same intersection as the Maritime Prepositioning Ship vehicle ramp, creating a choke point and a dangerous traffic intersection. This problem is further exacerbated by the fact that the Installation has been named LOGCOM Forward and will receive all USMC retrograde items from conflict areas, greatly increasing the number of ships processed and the potential for a mishap at the aforementioned intersection.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>It is critical that port operations run efficiently and adhere to a strict timetable to ensure MPF ships do not experience delays in movement. Also, traffic congestion is an on-going issue during ship offload and onload that will be further adversely impacted with the increased number of ships to be received as a result of LOGCOM Forward's mission. Without the Container Staging Lot, the Installation cannot efficiently move MPF or retrograde</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Container Staging and Loading Lot	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P012	8. Project Cost (\$000) 5,990	
equipment to speed the offload/onload process. Additionally and more importantly, the dangerous traffic congestion experienced near the stern of the ship where containers and vehicles pass one another cannot be avoided.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$180
(B) All other design costs				\$60
(C) Total				\$240
(D) Contract				\$220
(E) In-house				\$20
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				01/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Michael S. Pearson		Phone No: 904-696-5004		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Container Staging and Loading Lot	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P012	8. Project Cost (\$000) 5,990	
<p>Blank Page</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Hardstand Extension	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P017	8. Project Cost (\$000) 17,930	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
HARDSTAND EXTENSION (25,160 CY)	m3	19,236		11,430
CONCRETE PAVEMENT (25,160 CY)	m3	19,236	305.8	(5,880)
SPECIAL COSTS	LS			(5,550)
SUPPORTING FACILITIES				4,170
PAVING AND SITE IMPROVEMENTS	LS			(1,400)
MECHANICAL UTILITIES	LS			(380)
SITE PREPARATIONS	LS			(630)
ELECTRICAL UTILITIES	LS			(1,740)
DEMOLITION	LS			(20)
SUBTOTAL				15,600
CONTINGENCY (5%)				780
TOTAL CONTRACT COST				16,380
SIOH (5.7%)				930
SUBTOTAL				17,310
DESIGN/BUILD - DESIGN COST				620
TOTAL REQUEST ROUNDED				17,930
TOTAL REQUEST				17,930
10. Description of Proposed Construction:				
<p>Project constructs heavy duty concrete pavement directly south of the existing hardstand staging area. Project includes site lighting, fire hydrants, and a storm water collection and conveyance system to an existing storm water treatment pond. Special costs include unsuitable soil replacement and 8" crushed aggregate.</p>				
11. Requirement: <u>19,236 m3</u> Adequate: <u>0 m3</u> Substandard: <u>0 m3</u>				
PROJECT:				
<p>The project will extend the existing Intermodal Hardstand Staging Area, providing additional staging capability for heavy ordnance equipment.</p> <p>(Current Mission)</p>				
REQUIREMENT:				
<p>Blount Island Command is the hub of the Marine Corps' pre-positioning programs. There are a total of 16 vessels used for these pre-positioned capability missions. Adequate storage capacity, specifically during offloading, onloading, and maintenance operations, is required to support logistical needs. Logistics Command (LOGCOM) Forward's mission involves the receipt and processing of all retrograde materials from conflict areas,</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Hardstand Extension	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P017	8. Project Cost (\$000) 17,930	
expanding the need for additional equipment storage locations.				
CURRENT SITUATION: The Intermodal Hardstand area is insufficient during certain periods for even the current needs. Staging in grass areas on the installation is routinely required during overflow situations. There are no adequate hardstand areas to accommodate the additional equipment loadings associated with the LOGCOM Forward retrograde equipment mission.				
IMPACT IF NOT PROVIDED: If the Intermodal Hardstand Staging Area is not extended, the staging of the additional heavy equipment associated with the LOGCOM Forward mission will be in grassy overflow areas and will cause delays to the processing of offloading, onloading, and maintenance operations.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$190
(B) All other design costs				\$60
(C) Total				\$250
(D) Contract				\$230
(E) In-house				\$20
4. Contract award:				01/2011
5. Construction start:				04/2011
6. Construction complete:				06/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Hardstand Extension	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P017	8. Project Cost (\$000) 17,930	
<p>Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.</p>				
Activity POC: Michael S. Pearson		Phone No: 904-696-5004		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Hardstand Extension	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P017	8. Project Cost (\$000) 17,930	
<p>Blank Page</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Consolidated Warehouse Facility	
5. Program Element 0712896M	6. Category Code 44111	7. Project Number P022	8. Project Cost (\$000) 17,260	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CONSOLIDATED WAREHOUSE FACILITY (100,094 SF)	m2	9,299		11,490
MARINE CORPS WAREHOUSE (99,997 SF)	m2	9,290	1,133.1	(10,530)
TELECOMMUNICATIONS ROOM	m2	9	1,133.1	(10)
SPECIAL COSTS	LS			(520)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(110)
INFORMATION SYSTEMS	LS			(40)
LEED AND EPACT 2005 COMPLIANCE	LS			(170)
ANTI-TERRORISM/FORCE PROTECTION	LS			(110)
SUPPORTING FACILITIES				3,520
DEMOLITION	LS			(160)
SPECIAL CONSTRUCTION FEATURES	LS			(320)
PAVING AND SITE IMPROVEMENTS	LS			(610)
SITE PREPARATIONS	LS			(470)
MECHANICAL UTILITIES	LS			(340)
SPECIAL FOUNDATION FEATURES	LS			(1,450)
ELECTRICAL UTILITIES	LS			(170)
SUBTOTAL				15,010
CONTINGENCY (5%)				750
TOTAL CONTRACT COST				15,760
SIOH (5.7%)				900
SUBTOTAL				16,660
DESIGN/BUILD - DESIGN COST				600
TOTAL REQUEST ROUNDED				17,260
TOTAL REQUEST				17,260
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,667)
10. Description of Proposed Construction:				
Project constructs a high bay, raised, single story concrete frame and foundation warehouse with loading docks. Building features will include concrete masonry unit interior walls, insulated steel panel exterior walls, built up flat roof, sealed concrete floors, and painted walls in warehouse				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Consolidated Warehouse Facility	
5. Program Element 0712896M	6. Category Code 44111	7. Project Number P022	8. Project Cost (\$000) 17,260	
<p>areas. Supporting facilities include a covered loading dock to accommodate semi trucks, vehicle parking and other site work. The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project. Operation & Maintenance Support Information will be provided. Special construction features include pile foundation.</p>				
<p>11. Requirement: <u>9,299 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT:</p> <p>The project constructs a new warehouse that is required to address the existing storage deficiency. This project will reduce the deficiency by fifty percent.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Blount Island Command is the hub of the Marine Corps' prepositioning programs and a key enabler to expeditionary forces. There are a total of 16 Maritime Prepositioning Force (MPF) vessels used for these prepositioned capability missions.</p> <p>Adequate facilities are required to store, secure and maintain the required inventory necessary to support the Maritime Prepositioning Ship Mission at Blount Island. The warehouse must stock the full scope of material for deployment plus a full inventory of repair parts in support of the maintenance and repair of the deployable assets. The Installation also supports Logistics Command Forward, receiving all retrograde assets returning from conflict regions. This additional mission further burdens the Installation's already stressed warehousing capability and requires the use of shipping containers and temporary facilities to meet mission requirements.</p> <p>CURRENT SITUATION:</p> <p>The existing warehouse is inadequately sized to maintain a complete inventory of required material. The remainder of the material is scattered in undersized, inadequate facilities or in over 500 military equipment vans located in a remote storage lot. This remote storage necessitates up to a full days delay in obtaining material that is not located in the main warehouse. Obtaining material from this remote storage lot is labor intensive and causes unnecessary delays in obtaining required material as well as difficulty with inventory control.</p> <p>IMPACT IF NOT PROVIDED:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Consolidated Warehouse Facility	
5. Program Element 0712896M	6. Category Code 44111	7. Project Number P022	8. Project Cost (\$000) 17,260	
Material will remain in inadequate and poorly located storage conditions resulting in excessive labor costs and operational delays.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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				
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$510
(B) All other design costs				\$170
(C) Total				\$680
(D) Contract				\$620
(E) In-house				\$60
4. Contract award:				12/2010
5. Construction start:				04/2011
6. Construction complete:				06/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Forklifts		PMC	2012	320
Mezzanine Storage		O&MMC	2012	60
Office Furnishings, Fittings and Equipment		O&MMC	2012	87
Remstar Storage Retrieval System		PMC	2012	500
Storage Shelving		PMC	2012	700
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Washrack Expansion	
5. Program Element 0712896M	6. Category Code 21455	7. Project Number P023	8. Project Cost (\$000) 9,690	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
WASHRACK EXPANSION (48,029 SF)	m2	4,462		6,590
WASHRACK ENCLOSURE (48,029 SF)	m2	4,462	1,067.13	(4,760)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(70)
BUILT-IN EQUIPMENT	LS			(1,610)
SPECIAL COSTS	LS			(80)
ANTI-TERRORISM/FORCE PROTECTION	LS			(70)
SUPPORTING FACILITIES				1,840
PAVING AND SITE IMPROVEMENTS	LS			(360)
SPECIAL CONSTRUCTION FEATURES	LS			(260)
SITE PREPARATIONS	LS			(60)
MECHANICAL UTILITIES	LS			(210)
SPECIAL FOUNDATION FEATURES	LS			(690)
ELECTRICAL UTILITIES	LS			(90)
DEMOLITION	LS			(170)
SUBTOTAL				8,430
CONTINGENCY (5%)				420
TOTAL CONTRACT COST				8,850
SIOH (5.7%)				500
SUBTOTAL				9,350
DESIGN/BUILD - DESIGN COST				340
TOTAL REQUEST ROUNDED				9,690
TOTAL REQUEST				9,690
EQUIPMENT FROM OTHER				(5)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Project will construct a metal washrack enclosure with standing seam metal roof, concrete catch basins, oil, water and sediment containment, closed-loop recycle system, pressure wash system, and concrete pavement. A conditioned space and restroom will be provided for one permanent occupant.</p> <p>This project will require phased construction to allow existing washrack functions to continue until the new facility is operational. Utility relocations are required to include power, potable water, sanitary sewer,</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Washrack Expansion	
5. Program Element 0712896M	6. Category Code 21455	7. Project Number P023	8. Project Cost (\$000) 9,690	
(C) Date design completed				08/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$250
(B) All other design costs				\$80
(C) Total				\$330
(D) Contract				\$300
(E) In-house				\$30
4. Contract award:				04/2011
5. Construction start:				06/2011
6. Construction complete:				06/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>		<u>FY Approp</u>
<u>Nomenclature</u>		<u>Approp</u> or <u>Requested</u>		<u>Cost (\$000)</u>
Office Furnishings, Fixtures & Equipment		O&MMC 2012		5
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Kim Weisenburger			Phone No: 904-696-5154	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Washrack Expansion	
5. Program Element 0712896M	6. Category Code 21455	7. Project Number P023	8. Project Cost (\$000) 9,690	
Blank Page				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Container Storage Lot	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P024	8. Project Cost (\$000) 4,910	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CONTAINER STORAGE LOT (4,324 TN)	t	3,923		1,760
ASPHALT MILLINGS (4,324 TN)	t	3,923	30.27	(120)
SPECIAL COSTS	LS			(1,640)
SUPPORTING FACILITIES				2,510
ELECTRICAL UTILITIES	LS			(870)
MECHANICAL UTILITIES	LS			(210)
DEMOLITION	LS			(310)
PAVING AND SITE IMPROVEMENTS	LS			(900)
SITE PREPARATIONS	LS			(220)
SUBTOTAL				4,270
CONTINGENCY (5%)				210
TOTAL CONTRACT COST				4,480
SIOH (5.7%)				260
SUBTOTAL				4,740
DESIGN/BUILD - DESIGN COST				170
TOTAL REQUEST ROUNDED				4,910
TOTAL REQUEST				4,910
10. Description of Proposed Construction:				
<p>This project will construct a crushed concrete/aggregate semi-impervious storage lot adjacent to Berth One for retrograde equipment and containers. The container storage lot will be constructed on compacted subgrade, graded to provide stormwater runoff and prevent ponding or erosion. The crushed concrete/aggregate will be surfaced with asphalt millings or other material to reduce dust. The lot will be rolled and compacted to provide a tight uniform surface. The project includes site lighting, fire hydrants, stormwater collection and conveyance to an existing treatment pond, and demolition of abandoned gantry beam and railroad tracks.</p>				
11. Requirement: <u>3,923 t</u> Adequate: <u>0 t</u> Substandard: <u>0 t</u>				
PROJECT:				
<p>This project will create a new storage lot for containers and equipment for staging and contingency purposes.</p> <p>(Current Mission)</p>				
REQUIREMENT:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Container Storage Lot	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P024	8. Project Cost (\$000) 4,910	
<p>Blount Island Command is the hub of the Marine Corps' pre-positioning programs and a key enabler to expeditionary forces. There are a total of 16 vessels used for prepositioning nearly 65% of the Marine Corps warfighting capability.</p> <p>The Container Storage Lot is required to meet the Command's logistical requirements and support current mission requirements. The installation has taken on Logistical Command (LOGCOM) Forward requirements, receiving all Marine Corps retrograde returning from conflict areas. The container lot will greatly improve the existing process by moving the storage operation closer to the ships. It will alleviate long driving times and enhance coordination of movements, allowing for quicker turnaround of ships, as well as consolidate all container storage areas in one location.</p> <p>CURRENT SITUATION:</p> <p>Many hours are wasted transporting containers around the installation to various places where the containers are downloaded and the equipment is inspected. Container haulers frequently disrupt the maintenance process.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Current inefficiencies, due to the lack of sufficient and strategically located storage space, will be magnified as a result of the LOGCOM Forward mission. Already excessive drive times and coordination issues will worsen, and Maritime Prepositioning Force ships will experience further delays.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$160
(B) All other design costs				\$50
(C) Total				\$210

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Container Storage Lot	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P024	8. Project Cost (\$000) 4,910	
(D) Contract				\$190
(E) In-house				\$20
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				11/2011
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Michael S. Pearson			Phone No: 904-696-5004	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67695 MCSF BLOUNT ISLAND JACKSONVILLE, FLORIDA			4. Project Title Container Storage Lot	
5. Program Element 0712896M	6. Category Code 15310	7. Project Number P024	8. Project Cost (\$000) 4,910	
Blank Page				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM							2. Date 01 FEB 2010		
3. Installation and Location: N61007 NAVAL SUPPORT ACTIVITY ORLANDO TAMPA, FLORIDA				4. Command Commander Navy Installations Command			5. Area Const Cost Index .94			
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-09	27	46	893	0	0	0	0	0	966
B. End FY 2014	25	46	893	0	0	0	0	0	964	
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(6 Acres)										
B. INVENTORY AS OF 30 SEP 2009										9,497
C. AUTHORIZATION NOT YET IN INVENTORY										0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										2,300
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										0
H. GRAND TOTAL										11,797
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>			
21420	JCSE Vehicle Paint Facility	04/2009	04/2010		511 m2	2,300				
						TOTAL	2,300			
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										18,520
10. Mission or Major Functions:										
The Joint Communications Support Element (JCSE) provides rapidly deployable tactical communications packages to DoD and non-DoD agencies (including the Department of Homeland Security) in support of counter-terrorism, contingencies, combat operations, disaster relief and humanitarian relief operations worldwide. JCSE is made up of both active and reserve component forces.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement (*):										0
B. Occupational Safety and Health(OSH) (#):										0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N61007 NAVAL SUPPORT ACTIVITY ORLANDO TAMPA, FLORIDA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .94
<p>Blank Page</p>		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61007(JC) NAVAL SUPPORT ACTIVITY ORLANDO (JCSE SITE) TAMPA, FLORIDA			4. Project Title JCSE Vehicle Paint Facility	
5. Program Element 0712876N	6. Category Code 21420	7. Project Number P114	8. Project Cost (\$000) 2,300	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
JCSE VEHICLE PAINT FACILITY (5,500 SF)	m2	511		1,810
VEHICLE PAINT FACILITY (5,500 SF)	m2	511	2,728.63	(1,390)
BUILT-IN EQUIPMENT	LS			(340)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(30)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
INFORMATION SYSTEMS	LS			(30)
LEED AND EPACT 2005 COMPLIANCE	LS			(10)
SUPPORTING FACILITIES				190
PAVING AND SITE IMPROVEMENTS	LS			(40)
MECHANICAL UTILITIES	LS			(20)
DEMOLITION	LS			(20)
ELECTRICAL UTILITIES	LS			(110)
SUBTOTAL				2,000
CONTINGENCY (5%)				100
TOTAL CONTRACT COST				2,100
SIOH (5.7%)				120
SUBTOTAL				2,220
DESIGN/BUILD - DESIGN COST				80
TOTAL REQUEST ROUNDED				2,300
TOTAL REQUEST				2,300
10. Description of Proposed Construction:				
<p>Construct a two-story reinforced concrete and structural steel building on concrete spread footings. The facility includes roll-up doors, paint booth, lighting, HVAC, down draft exhaust and air filtration system, corrosion control preparation areas, fire suppression and alarm systems, vehicle lift, steam cleaner and oil-fuel/water separator in the vehicle preparation area, approved paint storage area, mezzanine storage and computer systems infrastructure. The project also includes mechanical and electrical utility support, site improvements, adjacent vehicle parking, and demolition of a concrete bunker. The facility will conform to anti-terrorism/force protection standards and will follow sustainable development compliance criteria for project design, development, and</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61007(JC) NAVAL SUPPORT ACTIVITY ORLANDO (JCSE SITE) TAMPA, FLORIDA			4. Project Title JCSE Vehicle Paint Facility	
5. Program Element 0712876N	6. Category Code 21420	7. Project Number P114	8. Project Cost (\$000) 2,300	
construction of this project.				
11. Requirement: <u>511</u> Adequate: Substandard: PROJECT: Construct a Joint Communications Support Element (JCSE) paint and corrosion control facility at MacDill AFB, Tampa, FL. (Current Mission) REQUIREMENT: The JCSE requires a paint and corrosion control facility to economically maintain and adequately protect over 640 pieces of equipment consisting of: vehicles, tractor trailers, forklifts, generators and communications support assemblages valued at \$40 million. The base is located on a peninsula extending south into Tampa Bay and is surrounded on 3 sides by salt water. The corrosive effects of the local environment, combined with the constant exposure from solar radiation and heat leads to rapid degradation of equipment. This requires a robust equipment corrosion prevention/control program. A functional paint facility is a key component of the organic corrosion prevention/control program. Additionally, it reduces premature equipment replacement and communications equipment/system downtime, an especially critical consideration due to the commands high tempo of operations. CURRENT SITUATION: The current paint facility is over 30 years old and fails to meet the current needs of the command and OSHA standards. The antiquated filtration/ventilation system in the paint booth lacks consistent air velocity required to meet OSHA standard. This inadequacy results in the paint booth frequently being shut down and all the filters changed. Only after all new filters are installed can the facility meet the minimum OSHA standards. Changes to OSHA Standards in 2007 made it impractical for the current paint facility to maintain OSHA standards day in and day out. The paint booth also lacks adequate lighting resulting in an unsafe work environment and creating issues with quality control. Lastly, the lack of a heating system limits year round productivity due to temperature requirements of the paint curing process. This results in a high cost and wasted man-hours due to re-application of paint from areas missed because of poor lighting or paint peeling because of inadequate curing temperatures. Also the paint booth (37' long) length precludes the capability to adequately maintain larger vehicles/equipment (52' long) which degrades the ability of the Element to paint all assigned communications equipment and results in having to outsource paint and corrosion control.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61007(JC) NAVAL SUPPORT ACTIVITY ORLANDO (JCSE SITE) TAMPA, FLORIDA			4. Project Title JCSE Vehicle Paint Facility	
5. Program Element 0712876N	6. Category Code 21420	7. Project Number P114	8. Project Cost (\$000) 2,300	
IMPACT IF NOT PROVIDED: The current facility can no longer meet the demands placed upon it due to frequent shutdowns and environmental challenges. Should the facility be closed due to a failure to meet standards, 160+ vehicles and pieces of equipment would need to be outsourced each year for corrosion control and painting. Failure to maintain the vehicles and equipment will heighten the risk of failure. Vehicles and equipment must meet strict standards when being transported to a combat zone.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				04/2009
(B) Date 35% Design or Parametric Cost Estimate complete				11/2009
(C) Date design completed				04/2010
(D) Percent completed as of September 2009				25%
(E) Percent completed as of January 2010				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				
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$70
(B) All other design costs				\$30
(C) Total				\$100
(D) Contract				\$30
(E) In-house				\$70
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				03/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.				
Activity POC: THOMAS SCHULTHEIS			Phone No: 7578368526	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61007(JC) NAVAL SUPPORT ACTIVITY ORLANDO (JCSE SITE) TAMPA, FLORIDA			4. Project Title JCSE Vehicle Paint Facility	
5. Program Element 0712876N	6. Category Code 21420	7. Project Number P114	8. Project Cost (\$000) 2,300	
<p>Blank Page</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM							2. Date 01 FEB 2010		
3. Installation and Location: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA				4. Command Commander Navy Installations Command			5. Area Const Cost Index .92			
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-09	390	3685	1603	0	128	0	101	399	0
B. End FY 2014	427	4137	1603	0	128	0	101	399	0	6795
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(16616 Acres)										
B. INVENTORY AS OF 30 SEP 2009										2,594,320
C. AUTHORIZATION NOT YET IN INVENTORY										30,182
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										60,664
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										84,455
F. PLANNED IN NEXT THREE PROGRAM YEARS										8,500
G. REMAINING DEFICIENCY										459,855
H. GRAND TOTAL										3,237,976
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>			
87211	Security Enclave & Vehicle Barriers	11/2009	01/2011			0 LS	45,004			
81159	Waterfront Emergency Power	09/2009	04/2010			700 m2	15,660			
						TOTAL	60,664			
9. Future Projects:										
A. Included In The Following Program:										
87210 CRAB ISLAND SECURITY ENCLAVE										49,679
16910 WRA LAND/WATER INTERFACE										34,776
						TOTAL	84,455			
B. Major Planned Next Three Years:										
42182 3 Missile Motor Magazines										8,500
						TOTAL	8,500			
C. R&M Unfunded Requirement (\$000):										333,568
10. Mission or Major Functions:										
Provides consolidated management of multiple Naval activities which support the Trident submarine program. Tenant commands include Submarine squadrons, Strategic Weapons Facility Atlantic, the Trident Refit Facility and the Trident Training Facility. Supporting commands include medical and dental centers, personnel and legal support and public works support.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement (*):										0
B. Occupational Safety and Health(OSH) (#):										0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .92

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Security Enclave & Vehicle Barriers	
5. Program Element 0212576N	6. Category Code 87211	7. Project Number P601	8. Project Cost (\$000) 45,004	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SECURITY ENCLAVE & VEHICLE BARRIERS	LS			27,560
PERSONNEL ENTRY CONTROL POINT	EA	2	1,704,628.38	(3,410)
PERSONNEL/VEHICLE ENTRY CONTROL POINT	EA	1	2,043,931.85	(2,040)
VEHICLE BARRIER SYSTEM (EXISTING ENCLAVE SECTION) (5,755 LF)	m	1,754	2,853.07	(5,000)
NORTH ENCLAVE FENCING SYSTEM (5,249 LF)	m	1,600	6,680.89	(10,690)
VEHICLE BARRIER SYSTEM (SOUTH ENCLAVE SECTION) (154 LF)	m	47	2,891.26	(140)
VEHICLE BARRIER SYSTEM (NORTH ENCLAVE SECTION) (5,249 LF)	m	1,600	2,891.26	(4,630)
SOUTH ENCLAVE FENCING SYSTEM (154 LF)	m	47	6,705.55	(320)
SPECIAL COSTS	LS			(920)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(250)
LEED AND EPACT 2005 COMPLIANCE	LS			(160)
SUPPORTING FACILITIES				12,980
PAVING AND SITE IMPROVEMENTS	LS			(2,370)
MECHANICAL UTILITIES	LS			(580)
SPECIAL CONSTRUCTION FEATURES	LS			(1,930)
ELECTRICAL UTILITIES	LS			(7,310)
SITE PREPARATIONS	LS			(700)
LEED AND EPACT 2005 COMPLIANCE	LS			(90)
SUBTOTAL				40,540
CONTINGENCY (5%)				2,030
TOTAL CONTRACT COST				42,570
SIOH (5.7%)				2,430
SUBTOTAL				45,000
TOTAL REQUEST ROUNDED				45,000
TOTAL REQUEST				45,004
EQUIPMENT FROM OTHER				(14,100)

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Security Enclave & Vehicle Barriers	
5. Program Element 0212576N	6. Category Code 87211	7. Project Number P601	8. Project Cost (\$000) 45,004	
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Construct and upgrade enclave fencing system (EFS), including entry control points and a vehicle barrier system anchored by cast-in-place concrete blocks along the entire length of the EFS, consisting of modified Normandy Barriers. Project also provides replacement parking and road modifications to accommodate the changes in traffic patterns by establishing the security enclaves.</p> <p>The Kings Bay EFS constructs a fenced isolation zone, patrol road, lighting and electronic security system components to complete the existing EFS. The EFS elements will include: inner and outer clear zones, an isolation zone, a patrol road in the inner clear zone, security lighting, lightning protection, camera towers and posts for mounting security sensors and duct-bank for power and control cabling.</p> <p>The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development, and construction of the project.</p>				
11. Requirement: <u>55,540 m</u> Adequate: <u>50,387 m</u> Substandard: <u>0 m</u>				
PROJECT:				
<p>This project is based on providing security upgrades to the existing submarine base (SUBASE) Kings Bay Waterfront Restricted Area (WRA) required to meet the current security requirements.</p> <p>(New Mission)</p>				
REQUIREMENT:				
<p>The project modifies an existing WRA in accordance with Department of Defense (DoD) directives. It constructs the remainder of the WRA EFS, including entry control points.</p> <p>DoD security instructions designate the area surrounding Strategic Submarine Ballistic Nuclear ports as WRAs, and mandates Level III restricted area requirements. This project is required to meet these requirements.</p> <p>The project also constructs reinforced concrete barriers and foundations within the WRA, which encompasses the EFS to prevent entry of the current postulated threat vehicle. These barriers are required by DoD and Secretary of the Navy security instructions.</p>				
CURRENT SITUATION:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Security Enclave & Vehicle Barriers	
5. Program Element 0212576N	6. Category Code 87211	7. Project Number P601	8. Project Cost (\$000) 45,004	
This project is required to fully comply with DoD and Navy security requirements.				
IMPACT IF NOT PROVIDED: Annual deviations to mandated security requirements will be required from Vice Chief of Naval Operations until completed.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				11/2009
(B) Date 35% Design or Parametric Cost Estimate complete				03/2010
(C) Date design completed				01/2011
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$2,720
(B) All other design costs				\$910
(C) Total				\$3,630
(D) Contract				\$3,330
(E) In-house				\$300
4. Contract award:				05/2011
5. Construction start:				06/2011
6. Construction complete:				06/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
PHYSICAL SECURITY EQUIPMENT	OPN	2012	1,100	
Security System	OPN	2012	13,000	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Security Enclave & Vehicle Barriers	
5. Program Element 0212576N	6. Category Code 87211	7. Project Number P601	8. Project Cost (\$000) 45,004	
<p>Activity POC: Mel Rivera Phone No: (703) 601-9239</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Waterfront Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P620	8. Project Cost (\$000) 15,660	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
WATERFRONT EMERGENCY POWER (7,535 SF)	m2	700		11,220
GENERATOR BLDG (7,535 SF)	m2	700	3,947.68	(2,760)
SPECIAL COSTS	LS			(580)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
BUILT-IN EQUIPMENT	LS			(7,640)
LEED AND EPACT 2005 COMPLIANCE	LS			(90)
INFORMATION SYSTEMS	LS			(60)
SUPPORTING FACILITIES				2,400
PAVING AND SITE IMPROVEMENTS	LS			(200)
LEED COMPLIANCE	LS			(30)
SITE PREPARATIONS	LS			(80)
MECHANICAL UTILITIES	LS			(950)
SPECIAL FOUNDATION FEATURES	LS			(100)
ELECTRICAL UTILITIES	LS			(930)
SPECIAL CONSTRUCTION FEATURES	LS			(110)
SUBTOTAL				13,620
CONTINGENCY (5%)				680
TOTAL CONTRACT COST				14,300
SIOH (5.7%)				820
SUBTOTAL				15,120
DESIGN/BUILD - DESIGN COST				540
TOTAL REQUEST ROUNDED				15,660
TOTAL REQUEST				15,660
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(310)
10. Description of Proposed Construction:				
<p>Project provides emergency backup power, associated utility distribution systems and site improvements for security of the Strategic Weapons Facility Atlantic's (SWFLANT), Waterfront Restricted Area (WRA). Constructs a ballistically hardened structure on pile foundation to house two emergency generators and provide climate controlled space for all required switchgear and generator controls. The project will include a walled courtyard, engine mufflers, cooling system and emergency fuel</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Waterfront Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P620	8. Project Cost (\$000) 15,660	
<p>storage. Underground feeders will provide emergency power distribution through secure manholes and bullet resistant above-ground structures. Site improvements include an aggregate surface access roadway, paved parking and fuel loading areas and storm water drainage features.</p> <p>Increased special construction costs include: contractor delays due to emergency response and operational drills, contractor productivity lost due to personnel and vehicle inspections at the WRA entry control point, contractor productivity lost due to compliance with special work procedures (security badging), construction of traffic mitigation features (barriers, alternate routes, temporary enclave fencing, flaggers), government security escorts for the contractors for the duration of the project and development of construction material lay-down areas for off-site material, station utility connections and coordination of onsite equipment lay-down space.</p> <p>The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development and construction.</p>				
<p>11. Requirement: <u>2,295 m2</u> Adequate: <u>1,595 m2</u> Substandard:</p> <p>PROJECT:</p> <p>This project constructs a hardened, secure, emergency power source and distribution system at the SWFLANT WRA.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Submarine base Kings Bay, GA and Naval Base Kitsap-Bangor, WA are the Navy's highest priority for the security of strategic assets. Department of Defense (DoD) instructions require a secure emergency power source to be located within the WRA.</p> <p>Recent major revisions to DoD instructions significantly increased security requirements to protect strategic weapons systems assets. These changes have required the construction and installation of new security facilities and systems at the waterfront. These systems require the provision of secure emergency power to comply with current security directives.</p> <p>CURRENT SITUATION:</p> <p>Strategic security requirements are not met. The existing WRA emergency power sources do not provide secure emergency power in accordance with DoD instructions.</p> <p>IMPACT IF NOT PROVIDED:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Waterfront Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P620	8. Project Cost (\$000) 15,660	
The requirements of DoD instructions will not be satisfied. The WRA will remain at increased risk.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2009
(B) Date 35% Design or Parametric Cost Estimate complete				11/2009
(C) Date design completed				04/2010
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				50%
(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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$470
(B) All other design costs				\$160
(C) Total				\$630
(D) Contract				\$580
(E) In-house				\$50
4. Contract award:				11/2010
5. Construction start:				12/2010
6. Construction complete:				11/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment	OMN	2012		275
Intrusion Detection System	OPN	2012		35
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.				
Activity POC: Mel Rivera			Phone No: (703) 601-9239	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Waterfront Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P620	8. Project Cost (\$000) 15,660	
Blank Page				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM								2. Date 01 FEB 2010	
3. Installation and Location: N61755 NAVBASE GUAM AGANA, GUAM						4. Command Commandant of the Marine Corps			5. Area Const Cost Index 2.64		
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		500	3870	296	0	0	0	71	544	0	5281
B. End FY 2014		482	3159	295	0	0	0	71	544	0	4551
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(27667 Acres)											
B. INVENTORY AS OF 30 SEP 2009											7,034,510
C. AUTHORIZATION NOT YET IN INVENTORY											341,178
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											66,730
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											333,852
F. PLANNED IN NEXT THREE PROGRAM YEARS											2,667,205
G. REMAINING DEFICIENCY											1,269,439
H. GRAND TOTAL											11,752,914
8. Projects Requested In This Program											
<u>Cat</u>							<u>Design Status</u>		<u>Cost</u>		
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>		<u>(\$000)</u>			
15220	Apra Harbor Wharf Improvement, Inc 2 of 2	08/2008	02/2010			0 LS	40,000				
85110	Defense Acces Road Improvements	05/2009	12/2010			0 LS	66,730				
							TOTAL	106,730			
9. Future Projects:											
A. Included In The Following Program:											
21410 MTACS-18 Operations and Support Facilities											6,270
44112 MWCS-18 Operations and Support Facilities											17,755
61010 MWHs-1 Operations and Support Facilities											16,990
44112 MWSS Operations and Support Facilities											11,794
61010 General Support Det Operational and Support											132,896
91110 Training Land Acquisition, Route 15											148,147
							TOTAL	333,852			
B. Major Planned Next Three Years:											
21453 12th Marine Operations and Support Facilities											51,527
61010 3rd MARDIV HQ Ops and Support Facilities											12,011
21730 Arty Bn HQ Ops and Support Facilities											17,182
14311 General Support Det Operational and Support											169,820
17110 Base Support Training											21,669
73020 Base Support QOL Facilities											48,370
21440 Base Support Operational Facilities											142,036
15220 CVN CAPABLE BERTH, POLARIS POINT, INC 1											273,580
15310 Route 15 Road Relocation (DAR)											87,000
17150 Indoor Multipurpose Range											20,000
17230 Gas Chamber											5,000
17110 Engineering Pit											6,000

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N61755 NAVBASE GUAM AGANA, GUAM	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 2.64
91110 Training Environmental Mitigation		94,197
21730 Comm Bn Ops and Support Facilities		78,151
61010 MEF HQ Ops and Support Facilities		13,169
61010 MHG Ops and Support Facilities		73,252
21730 Recon Co Ops and Support Facilities		13,605
61010 Intel Bn Ops and Support Facilities		11,255
44111 General Support Det Operational and Support		96,796
74044 Base Support QOL Facilities		174,076
14311 Base Support Operational Facilities		71,329
42122 MODULAR STORAGE MAGAZINES, OROTE POINT		105,604
17150 Range Control, Improvements, KD Rifle and Pistol		115,000
17940 Non Standard Small Arms Range		10,100
17906 Driver Convoy Course		17,200
17992 Obstacle/Leadership Course/Material Ars & Rapelling		1,000
17150 Automated Multipurpose Machine Gun Range		52,300
17110 Breacher House		10,000
17750 Close Quarter Battle Range		21,000
17810 Hand Grenade Range		16,000
17917 MOUT and Rapelling Area, Phase 1		72,875
44112 Trnst Arty Bty Ops and Support Facilities		31,137
61010 Trnst Inf Bn Ops and Support Facilities		32,950
61010 General Support Det Operational and Support		140,085
17125 Base Support and QOL Facilities		96,812
21453 Base Support Operational Facilities		241,661
17917 MOUT and Rapelling Area, Phase 2		69,925
17136 Battle Simul Center (AV, MISTIC Trng, Vehicle)		121,831
17919 Bridging Area		10,700
17330 Company Level Maneuver Area		21,000
		<u>TOTAL 2,667,205</u>
C. R&M Unfunded Requirement (\$000):		917,023
10. Mission or Major Functions: Provide shoreside logistics and maintenance support to Pacific Fleet and other U.S. and allied shipping. Homeport for submarine tender supporting submarines operating in the western Pacific and for Military Sealift Command ships. Support Marine Corps embarkation and debarkation.		
11. Outstanding Pollution and Safety Deficiencies (\$000):		
A. Pollution Abatement(*):		0
B. Occupational Safety and Health(OSH) (#):		0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755 NAVBASE GUAM AGANA, GUAM			4. Project Title Apra Harbor Wharf Improvement - Inc 2 of 2	
5. Program Element 0216496M	6. Category Code 15220	7. Project Number P204A	8. Project Cost (\$000) 40,000	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
APRA HARBOR WHARF IMPROVEMENT - INC 2 OF 2	LS			139,230
TANGO WHARF BERTH T-1 THRU T-3	LS			(62,340)
UNIFORM WHARF BERTHS U1 & U2	LS			(55,750)
BUILT-IN EQUIPMENT	LS			(5,640)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(790)
SPECIAL COSTS	LS			(14,710)
SUPPORTING FACILITIES				5,380
ENVIRONMENTAL MITIGATION	LS			(1,250)
PAVING AND SITE IMPROVEMENTS	LS			(4,130)
SUBTOTAL				144,610
CONTINGENCY (5%)				7,230
TOTAL CONTRACT COST				151,840
SIOH (6.2%)				9,410
SUBTOTAL				161,250
DESIGN/BUILD - DESIGN COST				5,780
TOTAL REQUEST ROUNDED				167,030
TOTAL REQUEST				167,033
10. Description of Proposed Construction:				
<p>Project provides infrastructure, wharf improvements, and utilities to allow cold iron berthing for "extended" transient ships, primarily, the Amphibious Readiness Group (ARG) and its combatant escort ships. Project requirements include the following:</p> <p>Wharf Strengthening - Provide structural improvements to compensate for the lost foundation support and the increased soil loading. Improvements will strengthen each wharf to resist seismic and typhoon forces; provide cathodic protection system for strengthened wharves; repair voids detected beneath the wharf deck; restore sheet piling, structural system, and wharf face to usable condition; and provide new concrete wharf operations deck at both wharves.</p> <p>Provide new concrete utilities trenches at the wharves to hold potable water, sewer, steam, compressed air, demineralized water, and bilge oily waste lines. Partially replace Bilge Oily Waste Transfer System (BOWTS)</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755 NAVBASE GUAM AGANA, GUAM			4. Project Title Apra Harbor Wharf Improvement - Inc 2 of 2	
5. Program Element 0216496M	6. Category Code 15220	7. Project Number P204A	8. Project Cost (\$000) 40,000	
<p>with new manifold and ship connection risers at predetermined locations on the wharves. Remove deficient and deteriorated sewer collection system, install new ship connection risers and cap remaining exposed lines. Install new trench drains, storm drain lines, treatment tanks, and outfalls to prevent surface runoff in the harbor. The existing steam distribution lines will be removed and new ship connection risers shall be installed. Remove deficient and deteriorated water distribution system and cap remaining exposed lines. Install new ship connection risers and fire hydrants. Install new low pressure compressed air system and risers to provide compressed air distribution at the wharves. Install new demineralized water system to ship connection riser. Provide new secondary power distribution systems. Construct new ductline between existing communications Manholes 2-11 and 3169-1. The ductline will contain four 100mm (4") ducts for copper and fiber optic cables and a 50mm (2") duct for cable television cables. Provide new cable hut at the head of Uniform Wharf for the distribution of the communication system. Extend ductline from Manhole 3169-1 along Tango and Uniform Wharves. Provide cables to new communications and cable television outlet cabinets at all power mounds.</p> <p>Ship Fendering System. Provide new 1830 mm x 3657 mm(6 ft. x 12 ft.) foam filled fenders with chains, plates, submarine backing plates, and hardware for ship berthing at Tango, and Uniform Wharves.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
11. Requirement: <u>9,388 m</u> Adequate: <u>476 m</u> Substandard: <u>5,438 m</u> PROJECT: Provide structural repairs and upgrades at Tango and Uniform wharves. Wharf decks will be replaced, wharf faces will be restored, and new fender systems will be provided. This project also provides new communications lines and secondary power distribution systems at the wharves, provides a small portion of other utilities infrastructure on the wharves, and only includes concrete utilities trenches to hold distribution systems for steam, compressed air, potable water, demineralized water, sewer, and bilge oily waste system. (New Mission) REQUIREMENT:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755 NAVBASE GUAM AGANA, GUAM			4. Project Title Apra Harbor Wharf Improvement - Inc 2 of 2	
5. Program Element 0216496M	6. Category Code 15220	7. Project Number P204A	8. Project Cost (\$000) 40,000	
<p>The project will provide shoreside adequate wharf structure to support berthing for the CG, DDG, JHSV, LSD, LHD, and LPD Class ships which will support the relocated US Marine Corps (USMC) troops. (New Mission)</p> <p>As part of the Agreed Implementation Plan (AIP) between the U.S. government and Government of Japan (GOJ), approximately 8,000 U.S. Marines will be relocating to Guam. To support the USMC relocation to Guam, embarkation operations involving an ARG and its escorts will take place at Apra Harbor. The embarkation operations on average could take about six days to accomplish, and are expected to occur two or more times a year. Also, Joint High Speed Vessels (JHSVs) are required to transport Marines within theater, and for off-island training.</p> <p>The mission of Commander US Naval Forces, Marianas (COMNAVMARIANAS) is to provide operational, fuel resupply, ordnance, and other logistic support to units of the Pacific Fleet, operational forces of the Seventh Fleet, and units of the Fifth Fleet transiting the area to the Persian Gulf or other points west of Guam. Adequate shore side utilities and mooring facilities are required to provide the necessary waterfront utility and cold iron berthing services for the ARG, its escorts, and JHSVs.</p> <p>The current wharf utility infrastructure at these wharves cannot meet the Commander Pacific Fleet (COMPACFLT) requirements for the ARG, its escorts, and the JSHVs. Existing wharf infrastructure cannot provide adequate berthing support. Existing depths at Tango are insufficient to berth CGs and DDGs. Major structural repairs are required at Uniform to repair earthquake damage and make it a usable berthing space for the JHSVs.</p> <p>CURRENT SITUATION:</p> <p>Guam is strategically located as the westernmost U.S. territory to serve as a forward deployment base and logistics hub for sea, land, and air forces operating in the Western Pacific and Asia. Due to the relocation of Marines to Guam, cold iron bething must be provided for an ARG, its escorts, and JHSVs. These ships transport USMC troops and equipment from Guam to mission areas. The Apra Harbor berthing plan places the ARG, its escorts, and the JHSVs at Victor, Sierra, and Uniform Wharves located in the northwestern quadrant of Inner Apra Harbor. Based on planned ship loadings, there is a shortfall of available general purpose berthing slips at Inner Apra Harbor. All general purpose berthing assets are substandard due to inadequate hotel services and/or structural deficiencies.</p> <p>Uniform Wharf has not been in operation since 1993 after sustaining severe earthquake damage to its structure and pavement. Victor, Sierra, and Tango</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755 NAVBASE GUAM AGANA, GUAM			4. Project Title Apra Harbor Wharf Improvement - Inc 2 of 2	
5. Program Element 0216496M	6. Category Code 15220	7. Project Number P204A	8. Project Cost (\$000) 40,000	
<p>Wharves provide critical berthing space in Apra Harbor. Deterioration of the existing utilities requires that repairs and renovations be made to the existing systems to provide continued service.</p> <p>This project will correct the following specific deficiencies:</p> <p>Wharf Structure. Uniform Wharf is out of service due to the damage sustained from the earthquake and needs to be constructed to current standards. Sierra and Tango wharves are inadequate to resist seismic loads required by current UFC loadings, and soil loading due to increased dredge depth. Cathodic protection system is required for corrosion protection of the wharf steel sheet piles and tiebacks.</p> <p>The existing BOWTS at Victor Wharf does not have adequate capacity to accommodate the requirements of the ARG, escorts, and JHSVs. The collection system does not extend beyond Victor Wharf, so ships at Uniform will have to discharge BOW into barges, which are then taken to Victor wharf for off-loading. This operation is manpower intensive, increases the risk of spills, and may experience delays when Victor is occupied. Existing sewer system is deteriorated and in need of repairs. Steam service is needed and does not exist at Uniform Wharf. Existing potable water system is deteriorated and cannot meet ship loading demand and fire fighting requirements. Compressed air service does not exist at either of the wharves. Existing communications and electrical power systems do not meet requirements. Existing lighting does not provide required illumination levels to meet AT/FP requirements. Fire alarm and detection systems do not meet current fire protection requirements. Existing ship fendering systems are deteriorated and inadequate.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If this project is not constructed, the wharf and wharf utilities will continue to deteriorate and will only provide limited waterfront services. The restricted capacity will continue to limit maintenance of ships and wharf efficiencies, as shipboard boilers, engines, and generators must remain in operation to provide the required ships services. Full and efficient use of the limited berthing space at Inner Apra Harbor would not be realized. The result of not constructing the project may impact the Marine Corps embarkation operations, require longer ship-inport time and would compromise the ability of COMAVMARIANAS to sustain readiness of units of the Pacific Fleet.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755 NAVBASE GUAM AGANA, GUAM			4. Project Title Apra Harbor Wharf Improvement - Inc 2 of 2	
5. Program Element 0216496M	6. Category Code 15220	7. Project Number P204A	8. Project Cost (\$000) 40,000	
(A) Date design or Parametric Cost Estimate started				08/2008
(B) Date 35% Design or Parametric Cost Estimate complete				06/2009
(C) Date design completed				02/2010
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				15%
(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 previously used				n/a
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$3,064
(B) All other design costs				\$2,043
(C) Total				\$5,107
(D) Contract				\$4,596
(E) In-house				\$511
4. Contract award:				08/2010
5. Construction start:				09/2010
6. Construction complete:				06/2013
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Authorization and Appropriation Summary				
	Authorization	Appropriation	Auth for Approp.	
FY 2010 Approved by Congress	\$167,033K	\$127,033K	\$127,033K	
FY 2011 Request	\$0K	\$40,000K	\$40,000K	
Activity POC: Garrett Fong		Phone No: (808) 472-1175		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755 NAVBASE GUAM AGANA, GUAM			4. Project Title Apra Harbor Wharf Improvement - Inc 2 of 2	
5. Program Element 0216496M	6. Category Code 15220	7. Project Number P204A	8. Project Cost (\$000) 40,000	
<p>Blank Page</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755(AG) NAVBASE GUAM (AGANA) AGANA, GUAM			4. Project Title Defense Access Road Improvements	
5. Program Element 0206496M	6. Category Code 85110	7. Project Number P205	8. Project Cost (\$000) 66,730	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
DEFENSE ACCESS ROAD IMPROVEMENTS	LS			36,110
ROUTE 3 IMPROVEMENTS	LS			(31,470)
SPECIAL COSTS	LS			(4,640)
SUPPORTING FACILITIES				21,660
PAVING AND SITE IMPROVEMENTS	LS			(5,520)
DEMOLITION	LS			(820)
ENVIRONMENTAL MITIGATION	LS			(4,070)
MECHANICAL UTILITIES	LS			(4,430)
ELECTRICAL UTILITIES	LS			(6,820)
SUBTOTAL				57,770
CONTINGENCY (5%)				2,890
TOTAL CONTRACT COST				60,660
SIOH (6.2%)				3,760
SUBTOTAL				64,420
DESIGN/BUILD - DESIGN COST				2,310
TOTAL REQUEST ROUNDED				66,730
TOTAL REQUEST				66,730
10. Description of Proposed Construction:				
<p>This project will consist of Route 3 roadway improvements between Route 28 and the Naval Computer and Telecommunications Station (NCTS) Finegayan to include pavement strengthening, widening from 2 lanes to 4 lanes, addition of a median, construction of 3 new gates along Route 3, and shoulder and intersection improvements.</p> <p>Work includes widening of existing roads, removal of existing pavements, subgrade improvements, relocation of existing utilities, construction traffic control, environmental mitigation, installation of traffic controls signals/signage and management of existing traffic throughout the construction process.</p>				
11. Requirement:				
PROJECT:				
<p>This project provides Guam road improvements that support the construction activities and operational mission requirements associated with the relocation of Marines from Okinawa to Guam. Funds provided will be transferred to the Department of Transportation's Federal Highway</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755(AG) NAVBASE GUAM (AGANA) AGANA, GUAM			4. Project Title Defense Access Road Improvements	
5. Program Element 0206496M	6. Category Code 85110	7. Project Number P205	8. Project Cost (\$000) 66,730	
<p>Administration (FHA). The FHA is responsible under Title 23 USC 210 for assuring proper execution of the work. Construction of roadways and bridges serving military facilities on Guam will meet American Association of State Highway and Transportation Officials and Federal Highway design standards.</p> <p>(New Mission)</p>				
<p>REQUIREMENT:</p>				
<p>The construction of new facilities for the relocation of 8,000 Marines and 630 Army personnel and approximately 9,900 dependents to Guam is similar to building a new military base with the same capabilities as currently exists on Okinawa. Additional access control points are required for the additional personnel. The construction vehicles (number and heavy weight) on the roads will have a dramatic impact on the roadway conditions. Nearly all of the materials to construct the military facilities will be imported or transported over the haul road network. Some roads will require new thru lanes to accommodate the increased number of vehicles and thereby mitigate the traffic congestion. The pavement will have to be strengthened on some roads to support the number and weight of the vehicles and to reduce the risk of structural failure of the roads. This project will support road improvements needed for construction activities associated with the establishment of a military base for the relocation of the Marines from Okinawa to Guam.</p>				
<p>CURRENT SITUATION:</p>				
<p>The Island of Guam currently has a population of roughly 176,000 of which 6,400 are active duty personnel. The road conditions range from fair to good for the existing traffic loading on the Island. The main thoroughfare roads are not adequate to accommodate the number of heavy construction vehicles and special military vehicles that are expected to arrive on the island. Currently, most trucks hauling aggregate from the rock quarries to NCTS Finegayan and Finegayan South utilize Route 15 and Chalan Lujuna out of the rock quarry to Route 1 to head west and then Route 3 to head north. Trucks hauling construction material and equipment from the Port of Guam also use Route 3 to head north towards NCTS Finegayan. Route 3 is a four-lane road until the intersection of Route 28 where it narrows down to a two-lane road.</p> <p>Currently there is only one access gate to NCTS Finegayan. Most of the additional population will be based in Northwestern Guam at Finegayan. Route 3 and Route 9 serve as the main roads between NCTS Finegayan and Andersen Air Force Base (AAFB). Commuter traffic associated with the III Marine Expeditionary Force Air Combat Element working at AAFB will use this route on a daily basis. Route 3 and Route 9 are two lane narrow roads with no shoulders or median separating the opposing thru lanes. Operational</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755(AG) NAVBASE GUAM (AGANA) AGANA, GUAM			4. Project Title Defense Access Road Improvements	
5. Program Element 0206496M	6. Category Code 85110	7. Project Number P205	8. Project Cost (\$000) 66,730	
<p>improvements such as a median and shoulders are needed to improve the safety of this route.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If this project is not provided, the construction work required on Guam to support the relocation of the Marines will be adversely impacted and delays will lead to higher costs for the construction of the required facilities. The existing configuration of components of the Guam Defense Access Road Network will significantly increase congestion and risk of structural failures associated with the increased volume and weight of traffic. The increased level of risk for failure is not acceptable and will contribute negatively to the successful completion of the new mission facilities required to support the buildup.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				05/2009
(B) Date 35% Design or Parametric Cost Estimate complete				03/2010
(C) Date design completed				12/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,743
(B) All other design costs				\$2,614
(C) Total				\$4,357
(D) Contract				\$3,921
(E) In-house				\$436
4. Contract award:				05/2011
5. Construction start:				07/2011
6. Construction complete:				02/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Joint Use is recommended.				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. Date 01 FEB 2010					
3. Installation and Location: N41557 NSA ANDERSEN ANDERSEN AB, GUAM					4. Command Commandant of the Marine Corps			5. Area Const Cost Index 2.64				
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT			TOTAL	
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
A. As Of 09-30-09		58	329	0	0	0	0	0	0	0	387	
B. End FY 2014		66	332	0	0	0	0	0	0	0	398	
7. INVENTORY DATA (\$000)												
A. TOTAL ACREAGE ..(35 Acres)												
B. INVENTORY AS OF 30 SEP 2009											5,525,705	
C. AUTHORIZATION NOT YET IN INVENTORY											0	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											0	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											137,023	
F. PLANNED IN NEXT THREE PROGRAM YEARS											1,000	
G. REMAINING DEFICIENCY											66,000	
H. GRAND TOTAL											5,902,666	
8. Projects Requested In This Program												
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>					
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>							
81310	AAFB North Ramp Utilities, Inc 2 of 2	08/2008	08/2009	11670 m	79,350							
11320	AAFB North Ramp Parking, Inc 2 of 2	04/2009	02/2010	121004 m2	93,588							
TOTAL										172,938		
9. Future Projects:												
A. Included In The Following Program:												
21105 Aviation Facilities at North Ramp											88,804	
11320 Aviation Facilities at North Ramp, Phase 2											48,219	
TOTAL										137,023		
B. Major Planned Next Three Years:												
13460 Aviation Landing Practice											1,000	
TOTAL										1,000		
C. R&M Unfunded Requirement (\$000):												0
10. Mission or Major Functions:												
As the host unit at Andersen Air Force Base, Guam, the 36th Wing has an expansive mission that relies on the Team Andersen concept to provide the highest quality peacetime and wartime support to project global power and reach from our vital location in the Pacific. Andersen is home to the 36th Wing, Air Mobility Command's 734th Air Mobility Support Squadron, Naval unit Helicopter Sea Combat Squadron Twenty Five (HSC-25) and several other tenant organizations.												
11. Outstanding Pollution and Safety Deficiencies (\$000):												
A. Pollution Abatement (*):											0	
B. Occupational Safety and Health(OSH) (#):											0	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N41557 NSA ANDERSEN ANDERSEN AB, GUAM	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 2.64

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N41557 NSA ANDERSEN ANDERSEN AB, GUAM			4. Project Title North Ramp Utilities Inc 2 of 2	
5. Program Element	6. Category Code 81310	7. Project Number P100A	8. Project Cost (\$000) 79,350	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
NORTH RAMP UTILITIES INC 2 OF 2 (38,287 LF)	m	11,670		62,740
COMMUNICATION DISTRIBUTION (22,326 LF)	m	6,805	2,666.57	(18,150)
AAFB MAIN SUBSTATION (15,961 LF)	m	4,865	4,041.55	(19,660)
WASTEWATER DISTRIBUTION	LS			(3,660)
MAIN ELECTRICAL DISTRIBUTION/SUBSTATION	LS			(7,830)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(170)
LEED AND EPACT 2005 COMPLIANCE	LS			(980)
SPECIAL COSTS	LS			(12,290)
SUPPORTING FACILITIES				24,570
PAVING AND SITE IMPROVEMENTS	LS			(650)
ELECTRICAL UTILITIES	LS			(4,200)
MECHANICAL UTILITIES	LS			(19,720)
SUBTOTAL				87,310
CONTINGENCY (5%)				4,370
TOTAL CONTRACT COST				91,680
SIOH (6.2%)				5,680
SUBTOTAL				97,360
DESIGN/BUILD - DESIGN COST				3,490
TOTAL REQUEST ROUNDED				100,850
TOTAL REQUEST				100,850
10. Description of Proposed Construction:				
<p>Project upgrades, extends and/or replaces portions of the utility infrastructure for the electrical, communication, jet fuel, water (domestic and fire protection), and sewer systems to fulfill increased demand due to increased personnel, facilities, and operations associated with the relocation of US Marine Corps (USMC) aviation unit personnel and activities from Okinawa to the North Ramp Area of Andersen Air Force Base (AAFB), Guam. Project aligns with the collective utility infrastructure enhancement efforts of other stakeholders and construction programs including the planned intelligence, surveillance, and reconnaissance strike force project to be constructed by the US Air Force.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N41557 NSA ANDERSEN ANDERSEN AB, GUAM			4. Project Title North Ramp Utilities Inc 2 of 2	
5. Program Element	6. Category Code 81310	7. Project Number P100A	8. Project Cost (\$000) 79,350	
<p>Project provides electrical, communication, fire suppression, water (domestic and fire protection) distribution, aircraft fuel distribution, and sewer distribution to the North Ramp Area of Andersen Air Force Base to support increased personnel and air operations associated with the relocation of USMC aviation units from Okinawa to Guam.</p> <p>(New Mission)</p> <p>REQUIREMENT: Adequate utility supply and distribution to support the relocation of USMC aviation units from Okinawa to Guam, including transient units.</p> <p>CURRENT SITUATION: There are no USMC personnel presently stationed on Guam. The majority of the Department of Defense (DOD) Class I and II properties including airfield and wharves on Guam are owned by the Navy and Air Force. Limited surplus shore facilities are available but are within small footprints in various locations which inhibit any large scale usage for this relocation effort. Additionally, most of these facilities require extensive upgrades/modification for adequate permanent type use. Therefore, proposed facilities to support the relocation of USMC air assets will have to be new construction.</p> <p>IMPACT IF NOT PROVIDED: Failure to provide new water (potable) system will result in unreliable water service to the US Marine Corps personnel assigned to the North Ramp Area.</p> <p>There are no wastewater distribution/conveyance systems located with the capacity to service the planned development at the North Ramp Area.</p> <p>The existing electrical system cannot support the growth associated with the relocation of USMC aviation units from Okinawa to Guam and related new development. The increased demand will result in reduced reliability of electrical system.</p> <p>There are no Aircraft Fuel Distribution or Communication distribution/conveyance systems appropriately located with the capacity to service the planned development at the North Ramp Area.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2008
(B) Date 35% Design or Parametric Cost Estimate complete				02/2009
(C) Date design completed				08/2009

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N41557 NSA ANDERSEN ANDERSEN AB, GUAM			4. Project Title North Ramp Utilities Inc 2 of 2	
5. Program Element	6. Category Code 81310	7. Project Number P100A	8. Project Cost (\$000) 79,350	
(D) Percent completed as of September 2009 100% (E) Percent completed as of January 2010 100% (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 previously used n/a 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications \$350 (B) All other design costs \$527 (C) Total \$877 (D) Contract \$790 (E) In-house \$87 4. Contract award: 08/2010 5. Construction start: 09/2010 6. Construction complete: 09/2012 B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Authorization and Appropriation Summary				
	Authorization	Appropriation	Auth for Approp.	
FY 2010 Request	\$101,280K	\$21,500K	\$21,500K	
FY 2011 Request	\$0K	\$79,350K	\$79,350K	
Activity POC: GARRETT FONG		Phone No: (808) 472-1175		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N41557 NSA ANDERSEN ANDERSEN AB, GUAM			4. Project Title AAFB North Ramp Parking Inc 2	
5. Program Element	6. Category Code 11320	7. Project Number P101A	8. Project Cost (\$000) 93,588	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AAFB NORTH RAMP PARKING INC 2 (1,302,471 SF)	m2	121,003.5		92,750
TAXIWAY SHOULDER (43,502 SF)	m2	4,041.5	357.74	(1,450)
POWER CHECK PAD (4,962 SF)	m2	461	573.71	(260)
ARMING & DE-ARMING PAD (23,002 SF)	m2	2,137	572.69	(1,220)
PARKING APRON SHOULDER (31,893 SF)	m2	2,963	357.74	(1,060)
TAXIWAY (65,240 SF)	m2	6,061	547.73	(3,320)
AIRCRAFT RINSE FACILITY (17,255 SF)	m2	1,603	479.36	(770)
AIRCRAFT WASHRACK (13,810 SF)	m2	1,283	538.54	(690)
AIRCRAFT ACCESS APRON (12,002 SF)	m2	1,115	547.73	(610)
AIRCRAFT PARKING APRON (1,090,804 SF)	m2	101,339	539.22	(54,640)
LEED AND EPACT 2005 COMPLIANCE	LS			(2,710)
SPECIAL COSTS	LS			(22,740)
BUILT-IN EQUIPMENT	LS			(2,600)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(680)
SUPPORTING FACILITIES				65,140
RINSE UTILITIES BUILDING	LS			(420)
WASHRACK UTILITIES BUILDING	LS			(80)
PAVING AND SITE IMPROVEMENTS	LS			(25,420)
MECHANICAL UTILITIES	LS			(10,740)
ELECTRICAL UTILITIES	LS			(24,030)
ANTI-TERRORISM/FORCE PROTECTION	LS			(580)
ENVIRONMENTAL MITIGATION	LS			(3,630)
DEMOLITION	LS			(240)
SUBTOTAL				157,890
CONTINGENCY (5%)				7,890
TOTAL CONTRACT COST				165,780
SIOH (6.2%)				10,280

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N41557 NSA ANDERSEN ANDERSEN AB, GUAM			4. Project Title AAFB North Ramp Parking Inc 2	
5. Program Element	6. Category Code 11320	7. Project Number P101A	8. Project Cost (\$000) 93,588	
SUBTOTAL				176,060
DESIGN/BUILD - DESIGN COST				6,320
TOTAL REQUEST ROUNDED				182,380
TOTAL REQUEST				182,385
10. Description of Proposed Construction:				
<p>Primary Facilities: Project provides aircraft parking apron with shoulders, lighted taxiways with shoulders, aircraft access apron, engine check pad, arming/de-arming pad and aircraft wash-rack and rinse facilities located at Andersen Air Force Base (AAFB).</p> <p>Built-in equipment includes jet blast deflector and wash/rinse facility equipment (pumps and water holding tanks). Utilities include water distribution to pumps for the wash-rack and rinse facilities, electrical distribution (to taxiway lighting) and a utilities support building.</p> <p>Supporting Facilities: Project includes storm water drainage, sanitary sewer system, electrical main building, utilities (electrical and communication) connections, aircraft servicing stations, taxiway and apron lighting and signage and area lighting. Project costs include operation manuals for utilities and equipment.</p>				
11. Requirement: <u>116,258 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT:				
<p>Project provides aircraft parking apron, lighted taxiways, compass calibration pad, engine check pad (with jet blast deflectors), aircraft wash-rack and rinse and arming/de-arming pad located at Andersen Air Force Base to accommodate US Marines being relocated from Okinawa to Guam.</p> <p>(New Mission)</p>				
REQUIREMENT:				
<p>Adequate pavement facilities to support the relocation of US Marine Corps aviation units from Okinawa to Guam, including transient units.</p>				
CURRENT SITUATION:				
<p>There is insufficient space to park Marine Corps aircraft at Andersen AFB.</p>				
IMPACT IF NOT PROVIDED:				
<p>This project is part of the USMC relocation from Okinawa to Guam. Without this project, USMC air operations will be severely restricted.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N41557 NSA ANDERSEN ANDERSEN AB, GUAM			4. Project Title AAFB North Ramp Parking Inc 2	
5. Program Element	6. Category Code 11320	7. Project Number P101A	8. Project Cost (\$000) 93,588	
(A) Date design or Parametric Cost Estimate started				04/2009
(B) Date 35% Design or Parametric Cost Estimate complete				07/2009
(C) Date design completed				02/2010
(D) Percent completed as of September 2009				45%
(E) Percent completed as of January 2010				90%
(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 previously used				n/a
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$2,197
(B) All other design costs				\$3,296
(C) Total				\$5,493
(D) Contract				\$4,944
(E) In-house				\$549
4. Contract award:				08/2010
5. Construction start:				09/2010
6. Construction complete:				11/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Authorization and Appropriation Summary				
	Authorization	Appropriation	Auth for Approp.	
FY 2010 Request	\$182,897K	\$88,797K	\$88,797K	
FY 2011 Request	\$0K	\$93,588K	\$93,588K	
Activity POC: Jeffrey Uejio		Phone No: (808) 472-1491		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N41557 NSA ANDERSEN ANDERSEN AB, GUAM			4. Project Title AAFB North Ramp Parking Inc 2	
5. Program Element	6. Category Code 11320	7. Project Number P101A	8. Project Cost (\$000) 93,588	
Blank Page				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM							2. Date 01 FEB 2010		
3. Installation and Location: N61755 NAVBASE GUAM FINEGAYAN, GUAM					4. Command Commander Navy Installations Command			5. Area Const Cost Index 2.64		
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-09	500	3870	296	0	0	0	71	544	0
B. End FY 2014	482	3159	295	0	0	0	71	544	0	4551
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(6194 Acres)										
B. INVENTORY AS OF 30 SEP 2009										827,340
C. AUTHORIZATION NOT YET IN INVENTORY										341,178
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										147,210
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										77,053
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										618,135
H. GRAND TOTAL										2,010,916
8. Projects Requested In This Program										
<u>Cat</u>						<u>Design Status</u>		<u>Cost</u>		
<u>Code</u>	<u>Project Title</u>					<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>	
85110	Finegayan Site Prep and Utilities					12/2009	01/2011	0 LS	147,210	
								TOTAL	147,210	
9. Future Projects:										
A. Included In The Following Program:										
11320 Finegayan Site and Utilities, Phase 2										77,053
								TOTAL	77,053	
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										917,023
10. Mission or Major Functions:										
MCB Finegayan supports the combat readiness of Marine Forces relocating from Okinawa, Japan. Provides training, logistic, garrison support, and a wide range of quality of life services including housing, safety, security and family services.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement (*):										0
B. Occupational Safety and Health(OSH) (#):										0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N61755 NAVBASE GUAM FINEGAYAN, GUAM	4. Command Commander Navy Installations Command	5. Area Const Cost Index 2.64

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755(FN) NAVBASE GUAM (FINEGAYAN) FINEGAYAN, GUAM			4. Project Title Finegayan Site Prep and Utilites, Phase 1	
5. Program Element 0216496M	6. Category Code 85110	7. Project Number P110	8. Project Cost (\$000) 147,210	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
FINEGAYAN SITE PREP AND UTILITES, PHASE 1	LS			82,380
ELECTRICAL UTILITIES (291,339 LF)	m	88,800	361.47	(32,100)
WATER/SEWER UTILITIES (65,568 LF)	m	19,985	1,170.01	(23,380)
STREET LIGHTING	EA	202	46,197.52	(9,330)
LEED AND EPACT 2005 COMPLIANCE	LS			(2,590)
SPECIAL COSTS	LS			(14,660)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(320)
SUPPORTING FACILITIES				45,060
MECHANICAL UTILITIES	LS			(7,660)
ENVIRONMENTAL MITIGATION	LS			(6,210)
ARCHAEOLOGICAL MITIGATION	LS			(320)
PAVING AND SITE IMPROVEMENTS	LS			(30,870)
SUBTOTAL				127,440
CONTINGENCY (5%)				6,370
TOTAL CONTRACT COST				133,810
SIOH (6.2%)				8,300
SUBTOTAL				142,110
DESIGN/BUILD - DESIGN COST				5,100
TOTAL REQUEST ROUNDED				147,210
TOTAL REQUEST				147,210
10. Description of Proposed Construction:				
<p>This project provides site improvements, clearing, utilities, roadways and other improvements in support of building construction needed for the relocation of U.S. Marines from Okinawa to Guam. Utilities are critical to supporting the new facilities required for the relocation, which includes power, water, sewer, storm drainage, communications, lighting, and other ancillary utilities. Site improvements will be provided including roadways, sidewalks, storm drainage, clearing and grubbing, leveling, filling and site remediation for the site to be able to accept new facilities construction.</p> <p>The electrical infrastructure will include networks of primary feeders</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755(FN) NAVBASE GUAM (FINEGAYAN) FINEGAYAN, GUAM			4. Project Title Finegayan Site Prep and Utilites, Phase 1	
5. Program Element 0216496M	6. Category Code 85110	7. Project Number P110	8. Project Cost (\$000) 147,210	
<p>installed in ducts and manholes, as well as street lighting with associated service equipment. The communication infrastructure will include ducts and manholes for future communication cabling and fiber optic lines.</p> <p>The water infrastructure includes networks of water main lines and laterals, gate valves and boxes, reducers, meters, check valves, water tanks, water treatment, pump station, fire hydrants, chlorination and testing.</p> <p>The wastewater infrastructure will include networks of sewer trunk lines and laterals, manholes, and cleanouts.</p> <p>The roads and street infrastructure will include networks of road systems consisting of arterial and local asphalt roads, with concrete curb and gutter feeding into a storm drain to eliminate runoff. The ground improvements will include networks of drainage system consisting of storm drain main and lateral lines, and manholes consistent with the storm water pollution prevention plan. Drainage system is to be connected to the drainage system in Government of Japan phase.</p> <p>Street lights will be provided. Special costs include workforce logistics and Guam gross receipts tax.</p> <p>The site preparation will consist of clearing/grubbing, grading, disposal, and in-fills prior to installation of the utilities infrastructure, ground improvements roads, and streets. Landscaping shall follow base guidelines.</p> <p>Leadership in Energy and Environmental Design (LEED) sustainable design features to achieve LEED points are included in the project. LEED design includes sustainable site elements including recycling debris, catch basin and dry wells.</p> <p>Environmental Mitigation includes cost of loss of habitat for threatened and endangered species. Historical Mitigation includes cultural related mitigation within the project site.</p> <p>Workforce Logistics will support the housing, feeding, medical care, transportation, and security of the offisland workforce coming to Guam. The cost for all these provisions will be shared among all the new facilities planned for Guam.</p>				
11. Requirement: <u>108,785 m</u> Adequate: Substandard:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755(FN) NAVBASE GUAM (FINEGAYAN) FINEGAYAN, GUAM			4. Project Title Finegayan Site Prep and Utilites, Phase 1	
5. Program Element 0216496M	6. Category Code 85110	7. Project Number P110	8. Project Cost (\$000) 147,210	
PROJECT: This project will construct the following utilities and site improvement support facilities in support of Marine build up at Finegayan area for U.S. site: 1) Utilities Infrastructure consisting of electrical, water, wastewater, and communications, 2) Roads and Streets, 3) Ground Improvements and 4) Site Preparation. (New Mission)				
REQUIREMENT: The relocation of U.S. Marine Corps forces from Okinawa, Japan will require the construction of numerous facilities. The roads and utilities systems infrastructure and associated site improvement are required for the new Marine Corps mission, new US Navy platforms, and future U.S. Air Force and US Army missions as appropriate.				
CURRENT SITUATION: The majority of the Department of Defense class I and II properties including airfield and wharves on Guam are owned by the Navy and Air Force. Limited surplus shore facilities are available but are within small footprints in various locations which inhibit any large scale usage for this relocation effort. Therefore, proposed facilities to support the relocation of more than 8,000 Marines and their dependents will have to be new construction.				
IMPACT IF NOT PROVIDED: This project is part of the relocation of USMC from Okinawa to Guam. Units/ activities will not vacate their current facilities until new replacement facilities in Guam have been completed, inspected and accepted.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				12/2009
(B) Date 35% Design or Parametric Cost Estimate complete				05/2010
(C) Date design completed				01/2011
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				5%
(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				Yes
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$13,000

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61755(FN) NAVBASE GUAM (FINEGAYAN) FINEGAYAN, GUAM			4. Project Title Finegayan Site Prep and Utilites, Phase 1	
5. Program Element 0216496M	6. Category Code 85110	7. Project Number P110	8. Project Cost (\$000) 147,210	
(B) All other design costs				\$1,300
(C) Total				\$14,300
(D) Contract				\$13,000
(E) In-house				\$1,300
4. Contract award:				05/2011
5. Construction start:				08/2011
6. Construction complete:				04/2013
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Eric Lee			Phone No: (808) 472-1170	

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: N62813 NAVSTA PEARL HARBOR HI FORD ISLAND, HAWAII					4. Command Commander Navy Installations Command			5. Area Const Cost Index 2.16			
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		1621	8253	7700	0	0	0	282	362	0	18218
B. End FY 2014		1578	8271	7658	0	0	0	282	362	0	18151
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(445 Acres)											
B. INVENTORY AS OF 30 SEP 2009											0
C. AUTHORIZATION NOT YET IN INVENTORY											238,492
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											9,140
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											0
G. REMAINING DEFICIENCY											0
H. GRAND TOTAL											247,632
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
61010	Ctr for Disaster Mgt/Humanitarian Assistance	04/2009	04/2010			4140 m2	9,140				
TOTAL										9,140	
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
C. R&M Unfunded Requirement (\$000):											2,107,154
10. Mission or Major Functions:											
Provide, manage and continuously improve the shore installation services delivered in support of Fleet, Fighter and Family. Effectively direct the ashore battle space in support of Fleet Operations.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement (*):											0
B. Occupational Safety and Health(OSH) (#):											0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N62813 NAVSTA PEARL HARBOR HI FORD ISLAND, HAWAII	4. Command Commander Navy Installations Command	5. Area Const Cost Index 2.16

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62813(FI) NAVSTA PEARL HARBOR HI (FORD ISLAND) FORD ISLAND, HAWAII			4. Project Title Ctr for Disaster Mgt/Humanitarian Assistance	
5. Program Element 0901376N	6. Category Code 61010	7. Project Number P056	8. Project Cost (\$000) 9,140	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CTR FOR DISASTER MGT/HUMANITARIAN ASSISTANCE (44,560 SF)	m2	4,139.76		7,080
ADMIN BLDG (11,140 SF) (RENOVATE)	m2	1,034.94	2,796.13	(2,890)
HAZ/MAT REMEDIATION	m2	1,034.94	207.56	(210)
SEISMIC UPGRADE	m2	1,034.94	1,252.37	(1,300)
FIRE PROTECTION	m2	1,034.94	334.08	(350)
LEED AND EPACT 2005 COMPLIANCE	LS			(370)
BUILT-IN EQUIPMENT	LS			(470)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(30)
INFORMATION SYSTEMS	LS			(850)
ANTI-TERRORISM/FORCE PROTECTION	LS			(540)
SPECIAL COSTS	LS			(70)
SUPPORTING FACILITIES				840
ELECTRICAL UTILITIES	LS			(600)
MECHANICAL UTILITIES	LS			(30)
PAVING AND SITE IMPROVEMENTS	LS			(180)
ANTI-TERRORISM/FORCE PROTECTION	LS			(30)
SUBTOTAL				7,920
CONTINGENCY (5%)				400
TOTAL CONTRACT COST				8,320
SIOH (6.2%)				520
SUBTOTAL				8,840
DESIGN/BUILD - DESIGN COST				320
TOTAL REQUEST ROUNDED				9,160
TOTAL REQUEST				9,140
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(917)
10. Description of Proposed Construction:				
This project proposes to renovate Building 76 on Ford Island for adaptive reuse by the Center for Excellence - Disaster Management and Humanitarian Assistance (COE). Work will provide architectural, structural, mechanical,				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62813(FI) NAVSTA PEARL HARBOR HI (FORD ISLAND) FORD ISLAND, HAWAII			4. Project Title Ctr for Disaster Mgt/Humanitarian Assistance	
5. Program Element 0901376N	6. Category Code 61010	7. Project Number P056	8. Project Cost (\$000) 9,140	
<p>The COE educates, trains, conducts research and assists in international disaster preparedness, disaster mitigation, disaster management, disaster response, health security, humanitarian assistance and societal resiliency. This project supports the mission by providing a facility with adequate space to meet their requirements.</p> <p>CURRENT SITUATION:</p> <p>The COE's current location does not accommodate their mission requirements. The COE is a Joint Command currently located in Army spaces at Tripler Army Medical Center (AMC). The COE has increased in personnel and requires a larger space which is not available at AMC.</p> <p>Building 76 at Ford Island has sufficient space required by the COE. However, the building is deteriorated and shows signs of wear from age as well as termite damage. Building 76 was originally a dispensary and would need to be converted to administrative space.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If this project is not provided, the mission of the COE will be severely impacted due to lack of space for personnel, classrooms/training rooms, IT server equipment, and storage.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				04/2009
(B) Date 35% Design or Parametric Cost Estimate complete				11/2009
(C) Date design completed				04/2010
(D) Percent completed as of September 2009				25%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$270
(B) All other design costs				\$90
(C) Total				\$360
(D) Contract				\$90

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62813(FI) NAVSTA PEARL HARBOR HI (FORD ISLAND) FORD ISLAND, HAWAII			4. Project Title Ctr for Disaster Mgt/Humanitarian Assistance	
5. Program Element 0901376N	6. Category Code 61010	7. Project Number P056	8. Project Cost (\$000) 9,140	
(E) In-house				\$270
4. Contract award:				11/2010
5. Construction start:				03/2011
6. Construction complete:				05/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Collateral-Workstations/Furniture		OMN	2012	917
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.				
Activity POC: M. Lau		Phone No: (808)472-0337		

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. Date 01 FEB 2010	
3. Installation and Location: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII				4. Command Commandant of the Marine Corps		5. Area Const Cost Index 2.31		
6. Personnel		PERMANENT		STUDENTS		SUPPORT		TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		82	605	887	0	146	0	866 6190 1640 10416
B. End FY 2014		83	583	900	0	146	0	870 6146 1859 10587
7. INVENTORY DATA (\$000)								
A. TOTAL ACREAGE ..(3145 Acres)								
B. INVENTORY AS OF 30 SEP 2009		5,097,973						
C. AUTHORIZATION NOT YET IN INVENTORY		0						
D. AUTHORIZATION REQUESTED IN THIS PROGRAM		139,620						
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		65,021						
F. PLANNED IN NEXT THREE PROGRAM YEARS		129,714						
G. REMAINING DEFICIENCY		870,635						
H. GRAND TOTAL		6,302,963						
8. Projects Requested In This Program								
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>		
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>			
74044	Physical Fitness Center	08/2009	05/2010	2771 m2	29,960			
15964	Waterfront Operations Facility	08/2009	05/2010	1854 m2	19,130			
72124	Bachelor Enlisted Quarters	06/2009	08/2010	21908 m2	90,530			
				TOTAL	139,620			
9. Future Projects:								
A. Included In The Following Program:								
14140 MCAF Operations Complex		65,021						
				TOTAL	65,021			
B. Major Planned Next Three Years:								
81209 MV-22 Infrastructure Upgrades		91,469						
11320 HMLA Hangar and Renovation and Apron		38,245						
				TOTAL	129,714			
C. R&M Unfunded Requirement (\$000):		113,480						
10. Mission or Major Functions:								
To maintain and operate facilities and provide services and material to support operations of tenant Marine and Navy units and other activities and units designated by the Commandant of the Marine Corps.								
To provide aviation support for Headquarters, Fleet Marine Force, Pacific.								
11. Outstanding Pollution and Safety Deficiencies (\$000):								
A. Pollution Abatement (*):		0						
B. Occupational Safety and Health(OSH) (#):		0						

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 2.31

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII			4. Project Title Physical Fitness Center - Camp Smith	
5. Program Element 0206496M	6. Category Code 74044	7. Project Number P006	8. Project Cost (\$000) 29,960	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
PHYSICAL FITNESS CENTER - CAMP SMITH (29,827 SF)	m2	2,771		18,300
FITNESS CENTER (29,827 SF)	m2	2,771	5,306	(14,700)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(240)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,590)
SPECIAL COSTS	LS			(240)
BUILT-IN EQUIPMENT	LS			(1,530)
SUPPORTING FACILITIES				7,630
SPECIAL FOUNDATION FEATURES	LS			(460)
MECHANICAL UTILITIES	LS			(830)
ENVIRONMENTAL MITIGATION	LS			(870)
ELECTRICAL UTILITIES	LS			(920)
LEED SUPPORTING FACILITIES	LS			(170)
OFF-SITE ATHLETIC FIELD IMPROVEMENTS	LS			(1,950)
ANTI-TERRORISM/FORCE PROTECTION	LS			(140)
PAVING AND SITE IMPROVEMENTS	LS			(2,290)
SUBTOTAL				25,930
CONTINGENCY (5%)				1,300
TOTAL CONTRACT COST				27,230
SIOH (6.2%)				1,690
SUBTOTAL				28,920
DESIGN/BUILD - DESIGN COST				1,040
TOTAL REQUEST ROUNDED				29,960
TOTAL REQUEST				29,960
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(770)
10. Description of Proposed Construction:				
Construct a low-rise indoor fitness facility at Camp Smith. The structure will be slab-on-grade concrete with concrete masonry or concrete exterior walls, metal truss roof framing and metal roofing. Interior walls shall be concrete masonry and gypsum board.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII			4. Project Title Physical Fitness Center - Camp Smith	
5. Program Element 0206496M	6. Category Code 74044	7. Project Number P006	8. Project Cost (\$000) 29,960	
<p>Supporting facilities work includes building and site utility connections, water, sanitary and storm sewers, site electrical, telephone, local area network and cable television. Electrical systems include fire alarms, exterior site and building lighting, public announcement system, closed circuit television, and conduits for communications systems. Mechanical systems include plumbing, fire protection, mechanical ventilation of toilet and locker rooms, and air conditioning of all other spaces except the basketball gymnasium.</p> <p>Paving and site improvements include striping, miscellaneous paving and parking, walkways, loading area, directional signage, earthwork, grading and landscaping. The hazardous waste abatement will include mitigation of chlordane assumed to be in existing soil.</p> <p>Additional supporting facilities work includes repair and improvements to existing Athletic Field (Facility 1259) located at Marine Corps Base Hawaii (MCBH) Kaneohe. Project upgrades athletic fields and miscellaneous drainage-related work.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
11. Requirement: <u>2,771 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: This project builds a facility that consolidates the fitness operations at the existing gymnasium (Building 101) and fitness center (basement of Building 2C) at Camp Smith. This project will allow the demolition of the existing gymnasium, Building 101, an inadequate World War II vintage wooden structure. This project will also provide the much needed repairs to the existing substandard Athletic Field (Facility 1259) at MCBH Kaneohe.				
(Current Mission)				
REQUIREMENT: Adequate and efficiently configured facilities to support minimum requirements for an indoor physical fitness center at Camp Smith to provide for the development and maintenance of physical fitness.				
The Camp Smith compound is located approximately 20 miles from the concentrated US Marine Corps assets at Kaneohe. Approximately 2,200 military and civilian personnel, (many of whom also serve in military reserve units), are permanently assigned to the base. These military				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII			4. Project Title Physical Fitness Center - Camp Smith	
5. Program Element 0206496M	6. Category Code 74044	7. Project Number P006	8. Project Cost (\$000) 29,960	
<p>personnel have a requirement to maintain a high level of fitness, which cannot be achieved without adequate facilities. The roads on Camp Smith and in the immediate vicinity of Camp Smith are narrow, steep, and winding, and many do not have sidewalks. This creates a hazard for anyone trying to maintain fitness outdoors. Further, there are no commercial facilities available in the immediate area for use by active duty units.</p>				
<p>CURRENT SITUATION:</p>				
<p>Military personnel stationed at Camp Smith are not afforded access to a coordinated fitness program. Further, they do not have a basic facility, meeting minimum health and safety standards, where they can participate in physical fitness activities.</p>				
<p>The location of the current fitness center is in the basement of Building 2C, an administrative facility. This is an inappropriate location, which is incompatible with the surrounding administrative activities. This temporary fitness center has a limited floor area and configuration constraints that preclude improvements to meet required standards. The basement of Building 2C lacks proper ventilation for a fitness area.</p>				
<p>The existing gymnasium (Building 101) is an old, deteriorated, wood framed structure damaged from prolonged exposure to the elements and extensive termite damage. The facility is inadequate and will be demolished as deterioration has progressed to the point where structural integrity has already been compromised. Once the facility is demolished, there will be no indoor basketball courts available for use at Camp Smith.</p>				
<p>The current condition of the existing Athletic Field (Facility 1259) at MCBH Kaneohe is substandard.</p>				
<p>IMPACT IF NOT PROVIDED:</p>				
<p>If this project is not provided, military personnel will be forced to utilize inadequate facilities at the risk of safety, health and welfare. Members will travel to other fitness centers located at a considerable driving distance or will choose to do without physical fitness training facilities. Traveling to off-base fitness centers will require members to take longer breaks during their work day to maintain a satisfactory level of fitness. The lack of adequate facilities will continue to be counterproductive to the overall readiness of the Marines and will continue to impact their quality of life, to the detriment of their morale, retention, and readiness.</p>				
<p>If existing conditions at the Athletic Field (Facility 1259) are not</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII			4. Project Title Physical Fitness Center - Camp Smith	
5. Program Element 0206496M	6. Category Code 74044	7. Project Number P006	8. Project Cost (\$000) 29,960	
addressed, the field will continue to deteriorate at an accelerated pace with ruts and holes that pose a safety hazards to those participating in activities at the field.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$320
(B) All other design costs				\$480
(C) Total				\$800
(D) Contract				\$720
(E) In-house				\$80
4. Contract award:				12/2010
5. Construction start:				02/2011
6. Construction complete:				08/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Collateral Equipment		O&MMC	2012	770
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Edmund Urabe			Phone No: 808-477-8802	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII			4. Project Title Waterfront Operations Facility	
5. Program Element 0206496M	6. Category Code 15964	7. Project Number P816	8. Project Cost (\$000) 19,130	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
WATERFRONT OPERATIONS FACILITY (19,956 SF)	m2	1,854		13,070
WATERFRONT OPERATIONS FACILITY - MAINTENANCE BLDG (12,551 SF)	m2	1,166	5,019.79	(5,850)
WATERFRONT OPERATIONS FACILITY - OPERATIONS BLDG (7,406 SF)	m2	688	7,420.13	(5,110)
SPECIAL COSTS	LS			(530)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,260)
ANTI-TERRORISM/FORCE PROTECTION	LS			(110)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(60)
BUILT-IN EQUIPMENT	LS			(50)
INFORMATION SYSTEMS	LS			(100)
SUPPORTING FACILITIES				3,490
ELECTRICAL UTILITIES	LS			(310)
SPECIAL FOUNDATION FEATURES	LS			(240)
PAVING AND SITE IMPROVEMENTS	LS			(2,140)
DEMOLITION	LS			(400)
MECHANICAL UTILITIES	LS			(400)
SUBTOTAL				16,560
CONTINGENCY (5%)				830
TOTAL CONTRACT COST				17,390
SIOH (6.2%)				1,080
SUBTOTAL				18,470
DESIGN/BUILD - DESIGN COST				660
TOTAL REQUEST ROUNDED				19,130
TOTAL REQUEST				19,130
EQUIPMENT FROM OTHER				(325)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
Construct a low-rise operations building that includes a disaster response emergency operations center, office spaces, quarterdeck, training/lounge room, male and female bunk rooms, and head facilities. Construct a one-story maintenance building that includes general maintenance shop,				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII			4. Project Title Waterfront Operations Facility	
5. Program Element 0206496M	6. Category Code 15964	7. Project Number P816	8. Project Cost (\$000) 19,130	
<p>painting, welding, storage for equipment/materials and an oil spill containment boom storage, and battery room. Special costs include temporary operation and storage facilities to maintain operational functions displaced during construction. Built-in equipment includes a stair platform chair lift for the low-rise operations building.</p> <p>Work includes a boat ramp with security lighting, fire pump building, and flag pole. Information and communication systems include local area network connections and telephone. Mechanical systems include air conditioning, fire protection, and ventilation systems in non-air conditioned maintenance and storage spaces. Mechanical systems include complete automatic wet pipe sprinkler protection throughout both buildings. Electrical systems include an integrated interior mass notification/fire alarm system for both buildings. Paving and site improvements include building lighting and paving, which also includes parking, boat handling and maintenance area. Demolition of Buildings 1372, 1640, and 1388 (total 888 square meters) is included in the project.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project. Project includes operation and maintenance support information. The hazardous waste abatement will include mitigation of chlordane assumed to be in existing soil. The area is identified as a low archaeological sensitive area requiring monitoring during excavations.</p>				
11. Requirement: <u>1,854 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: This project builds a facility that consolidates the Waterfront Operations Department, demolishes their four existing inadequate facilities, and expands the storage capabilities of the office. (Current Mission)				
REQUIREMENT: Adequate and efficiently configured facilities to support consolidation of the Waterfront Operations Department, including additional storage space for assets currently exposed to the elements. The Waterfront Operations Department is currently located in four inadequate facilities, all of which will be demolished. The haphazard nature of the current environment contributes to a great deal of inefficiency and puts emergency response measures at risk.				
CURRENT SITUATION:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEHOE, HAWAII			4. Project Title Waterfront Operations Facility	
5. Program Element 0206496M	6. Category Code 15964	7. Project Number P816	8. Project Cost (\$000) 19,130	
<p>The four inadequate facilities were originally constructed as semi-permanent facilities in the 1970s. They have severely deteriorated and have long outlasted their intended purpose. These temporary metal/wood framed structures were turned over from a previous tenant, the Naval Ocean Systems Center. Due to age, prolonged exposure to the elements and minimal maintenance, these improperly constructed buildings have deteriorated to the point where structural integrity is compromised. The buildings were constructed without proper safety and fire features, intercom or proper communications systems, or adequate ventilation.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If this project is not provided, military personnel will continue to utilize inadequate facilities to the detriment of safety, health, and welfare. Crew members will continue to sleep, eat, and work in a substandard environment. Training time will continue to be hampered as time is spent finding makeshift solutions to mechanical and electrical problems. Maintenance dollars will continue to be diverted from other needs to extend the limited usefulness of these facilities.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$344
(B) All other design costs				\$515
(C) Total				\$859
(D) Contract				\$781
(E) In-house				\$78
4. Contract award:				12/2010
5. Construction start:				02/2011
6. Construction complete:				11/2012
B. Equipment associated with this project which will be provided from				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII			4. Project Title Waterfront Operations Facility	
5. Program Element 0206496M	6. Category Code 15964	7. Project Number P816	8. Project Cost (\$000) 19,130	
other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	
Collateral Equipment		O&MMC	2012	325
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Steve Tome			Phone No: (808) 257-2171 x254	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P858	8. Project Cost (\$000) 90,530	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BACHELOR ENLISTED QUARTERS (235,816 SF)	m2	21,908		71,360
CONSTR BEQ (54,132 SF)	m2	5,029	5,880.47	(29,570)
CONSTR COMMAND HEADQUARTERS (10,441 SF)	m2	970	5,854.15	(5,680)
CONSTR PARKING STRUCTURE (70,880 SF)	m2	6,585	1,318.07	(8,680)
ATFP, AC AND SEISMIC RETROFIT B5070	m2	4,662	2,535.31	(11,820)
ATFP, AC AND SEISMIC RETROFIT B5071	m2	4,662	2,535.31	(11,820)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(350)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,730)
SPECIAL COSTS	LS			(820)
BUILT-IN EQUIPMENT	LS			(440)
ANTI-TERRORISM/FORCE PROTECTION	LS			(450)
SUPPORTING FACILITIES				7,010
PAVING AND SITE IMPROVEMENTS	LS			(3,540)
ANTI-TERRORISM/FORCE PROTECTION	LS			(180)
LEED & FEDERAL ENERGY ACTS COMPLIANCE	LS			(50)
ELECTRICAL UTILITIES	LS			(1,090)
ENVIRONMENTAL MITIGATION	LS			(370)
SPECIAL FOUNDATION FEATURES	LS			(700)
MECHANICAL UTILITIES	LS			(850)
DEMOLITION	LS			(230)
SUBTOTAL				78,370
CONTINGENCY (5%)				3,920
TOTAL CONTRACT COST				82,290
SIOH (6.2%)				5,100
SUBTOTAL				87,390
DESIGN/BUILD - DESIGN COST				3,130

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P858	8. Project Cost (\$000) 90,530	
TOTAL REQUEST ROUNDED				90,520
TOTAL REQUEST				90,530
EQUIPMENT FROM OTHER				(1,447)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Construct a multi-story Bachelor Enlisted Quarters (BEQ). The building shall be of reinforced concrete or masonry construction providing 107 rooms with semi-private baths in the standard Marine Corps Bachelor Housing 2+0 room configuration and community service core areas. Mechanical systems will include plumbing, fire protection systems, and HVAC. Electrical systems will include fire alarm, and electronic monitoring control system (EMCS). Information systems include telephone, data, and cable television (CATV). A telecommunications infrastructure room will be provided on each floor to house communications, NGEN support, and security system infrastructure.</p> <p>Construct a multi-story Command Headquarters Building of reinforced concrete or masonry construction, providing replacement for Command Post buildings to be demolished as part of this project. Mechanical systems include plumbing, fire protection systems, and HVAC. Electrical systems include power distribution, fire alarm, and EMCS. Information systems include telephone and data. A telecommunications infrastructure room will be provided to house communications, NGEN support, and security system infrastructure.</p> <p>Construct a multi-level parking structure of reinforced concrete construction. Built-in equipment includes an elevator.</p> <p>The project will also provide upgrades to BEQs 5070 and 5071. Upgrades will include seismic structural improvements, installation of an air conditioning systems, upgrades to the electrical systems, replacement of windows and doors and exterior finishes. Air conditioning systems will include new cooling tower and condensing units, concrete masonry unit enclosure for cooling tower and pumps, variable refrigerant volume units, dedicated outside air, and direct digital control system. In support of new air conditioning systems, new transformers and main distribution panels will also be installed. Louver windows will also be replaced with fixed glass windows meeting anti-terrorism / force protection (ATFP) requirements, and the window area will be reduced and in-filled with impact resistant composite panels.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P858	8. Project Cost (\$000) 90,530	
<p>The project will conform to ATRP standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project. To achieve LEED Certification, such major sustainable features will include battery storage photo-voltaic systems, high efficiency windows, and water conserving plumbing fixtures with dual flush controls for water closets.</p> <p>Supporting facilities work includes site and building utility connections (water/fire, sanitary and storm sewers), electrical, communications voice and data, local area network and CATV. Paving and site improvements includes access roads/fire access lanes, sidewalks, outdoor recreation facilities, courtyards, equipment and bike shelters, earthwork/fill/grading and landscaping. Operation and maintenance support information will be provided.</p> <p>Five command post buildings 4010, 4017, 4019, 4020 and 6705 (total 1318 square meters) will be demolished to support the construction of the multi-level structures. The buildings to be demolished are assumed to contain lead paint and asbestos. Environmental mitigation will be provided to protect the environment.</p>				
11. Requirement: <u>6,375 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: Constructs a new permanent party BEQ facility at Marine Corps Base Hawaii (MCBH), Kaneohe Bay to support billeting requirements generated by the Grow the Force's increase in personnel. The new facility will be built with high degree of durability to resist the corrosive environment of Kaneohe Bay. Construct a multi-story Command Headquarters Building and a multi-level parking structure. Project will also install a central air conditioning system at existing BEQs, Buildings 5070 and 5071. Project constructs a parking garage as opposed to paved parking because of space constraints in the immediate area and the subsequent inability to meet ATRP stand off distances. (New Mission)				
REQUIREMENT: MCBH requires adequate bachelor enlisted quarters to support the anticipated Grow the Force increased personnel.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE, HAWAII			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P858	8. Project Cost (\$000) 90,530	
CURRENT SITUATION:				
<p>The BEQ facilities at MCBH are insufficient to support the anticipated Grow the Force's increase in personnel.</p> <p>The existing BEQ's, Buildings 5070 and 5071, are not equipped with a central air conditioning system and the building's residents install their own window air conditioners. Since the building is not designed for installation of window air conditioners, their improper installation causes broken windows; improper sealing around units (leading to water infiltration and water damage to the building); and inadequate sealing (leading to inefficient operation, high electrical consumption, and dust infiltration in the building). Additionally, the building's electrical system cannot support the increasing number of installed window air conditioners.</p>				
IMPACT IF NOT PROVIDED:				
<p>Failure to provide these essential BEQ facilities will result in inadequate housing of bachelors at MCBH.</p> <p>If air conditioning is not installed in Buildings 5070 and 5071, the moral and welfare of the Marines that live in the buildings will continue to suffer. The dust and water infiltration driven by the wind will continue to create dirty conditions, as well as water damage to the building.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				06/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				08/2010
(D) Percent completed as of September 2009				20%
(E) Percent completed as of January 2010				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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$100
(B) All other design costs				\$954
(C) Total				\$1,054

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEHOE, HAWAII			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P858	8. Project Cost (\$000) 90,530	
(D) Contract				\$958
(E) In-house				\$96
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				12/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY</u>	<u>Approp</u>
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
COLLATERAL EQUIPMENT		O&MMC	2012	1,347
NGEN Support Equipment		O&MMC	2012	100
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Steven Tome			Phone No: (808) 257-2171 x254	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEHOE, HAWAII			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P858	8. Project Cost (\$000) 90,530	
<p>Blank Page</p>				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: N62813 NAVSTA PEARL HARBOR HI PEARL HARBOR, HAWAII					4. Command Commander Navy Installations Command			5. Area Const Cost Index 2.16			
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		1655	8599	7325	0	0	0	282	362	0	18223
B. End FY 2014		1571	8178	7325	0	0	0	282	362	0	17718
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(7446 Acres)											
B. INVENTORY AS OF 30 SEP 2009											11,984,078
C. AUTHORIZATION NOT YET IN INVENTORY											238,492
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											99,328
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											71,156
G. REMAINING DEFICIENCY											1,706,726
H. GRAND TOTAL											14,099,780
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
61010	Joint POW/MIA Accounting Command	07/2008	08/2010			12681 m2	99,328				
TOTAL											99,328
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
17120	Welding School Shop Consolidation										5,010
15220	SHORE POWER UPGRADE, MIKE 4										4,052
73010	CONSTRUCT FIRE STATION, WEST LOCH										9,084
21370	DRYDOCK WATERFRONT FACILITY										16,336
17120	Construct CSF Facility										11,105
15220	Waterfront Upgrade - Wharf S12										15,375
89009	Construct Compressed Air Plant										10,194
TOTAL											71,156
C. R&M Unfunded Requirement (\$000):											2,107,154
10. Mission or Major Functions:											
Homeport for approximately 40 surface combatants and submarines. 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 most of the shore tenant activities in the Pearl Harbor area.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement (*):											0
B. Occupational Safety and Health(OSH) (#):											0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N62813 NAVSTA PEARL HARBOR HI PEARL HARBOR, HAWAII	4. Command Commander Navy Installations Command	5. Area Const Cost Index 2.16

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62813 NAVSTA PEARL HARBOR HI PEARL HARBOR, HAWAII			4. Project Title Joint POW/MIA Accounting Command	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P005	8. Project Cost (\$000) 99,328	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
JOINT POW/MIA ACCOUNTING COMMAND (136,497 SF)	m2	12,681		82,880
JPAC (131,610 SF)	m2	12,227	5,100.60	(62,370)
JPAC CENTRAL PLANT (4,887 SF)	m2	454	13,015.29	(5,910)
BUILT-IN EQUIPMENT	LS			(6,250)
ANTI-TERRORISM/FORCE PROTECTION	LS			(2,010)
SPECIAL COSTS	LS			(970)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(400)
LEED AND EPACT 2005 COMPLIANCE	LS			(4,970)
SUPPORTING FACILITIES				6,200
LEED & EPACT 2005	LS			(550)
PAVING AND SITE IMPROVEMENTS	LS			(2,640)
ELECTRICAL UTILITIES	LS			(1,750)
MECHANICAL UTILITIES	LS			(1,260)
SUBTOTAL				89,080
CONTINGENCY (5%)				4,450
TOTAL CONTRACT COST				93,530
SIOH (6.2%)				5,800
SUBTOTAL				99,330
TOTAL REQUEST ROUNDED				99,330
TOTAL REQUEST				99,328
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(10,996)
10. Description of Proposed Construction:				
Construct a three-story, reinforced concrete building to accommodate the Joint POW/MIA Accounting Command (JPAC). The structure will be supported on shallow conventional spread footings. Building spaces will be equipped with fire sprinkler system, fire alarm system, clean agent fire protection system for sensitive equipment/items in record storage and the central identification lab (CIL) evidence storage spaces. Utilities include air conditioning, digital control system, ventilation, plumbing to include hot water, cold water, waste system, vent system, acid waste and vent system, compressed air, vacuum system, power, lighting, telecommunication systems,				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62813 NAVSTA PEARL HARBOR HI PEARL HARBOR, HAWAII			4. Project Title Joint POW/MIA Accounting Command	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P005	8. Project Cost (\$000) 99,328	
<p>standby power distribution system, uninterrupted power supply with battery back-up and mass notification system. Building roof will be constructed to accommodate radio frequency antennas and an antenna distribution system. Built-in equipment includes elevators, electromagnetic radiation shielding, lab shelving and cabinets, pallet racks and high-density storage systems. Special features include a sensitive compartmented information facility (SCIF).</p> <p>The SCIF shall have the capability to meet the physical security requirements for top secret information. The SCIF will consist of a 37 square meter room within the facility where sensitive compartmented information may be stored, used, discussed and electronically processed. Communications support training spaces will be provided.</p> <p>Electromagnetic shielding will be provided for the laboratory room that houses the electron microscope and associated video equipment.</p> <p>This project will also construct a single-story utility building to support the standby diesel-engine generator, diesel-driven fire pump and air conditioning chiller plant.</p> <p>Additionally the project will construct an on-site parking lot on the south side of the facility and parking stalls along the south side of Moffet Street to accommodate JPAC's personnel.</p> <p>This project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development and construction.</p>				
11. Requirement: <u>13,527 m2</u> Adequate: <u>2,282 m2</u> Substandard: <u>0 m2</u>				
PROJECT: This project constructs a new facility for the JPAC which includes a central identification laboratory, administrative office spaces, training spaces and warehouse. (Current Mission)				
REQUIREMENT: Adequate and efficiently configured facilities are required to accommodate the consolidation of the JPAC and maintain all associated records and research materials for all conflicts. The current CIL facility supports the office of the Armed Forces Medical Examiner with facilities to assist in processing and resolving mass casualty incidents in the Hawaiian Islands.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62813 NAVSTA PEARL HARBOR HI PEARL HARBOR, HAWAII			4. Project Title Joint POW/MIA Accounting Command	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P005	8. Project Cost (\$000) 99,328	
CURRENT SITUATION:				
<p>Presently, the JPAC organization is split between three separate military bases on Oahu. The CIL and the operations and support staff occupy Building #45 and several modular trailers at Hickam AFB. Part of CIL's operations and support staff also occupy a portion of Building #220 at Pearl Harbor Naval Station. Non-CIL JPAC staff occupy a portion of Building #20 at Camp Smith. In addition, the support staff also has an off-site storage warehouse at the Pearl City Peninsula to accommodate the overflow of mission support equipment that cannot be stored at Hickam AFB or Camp Smith. The JPAC facilities at Hickam AFB and Camp Smith are undersized and deficient for its operation. Some of the examples of these deficiencies include but are not limited to the following:</p>				
<p>1) The photography lab section, which provides direct support to the CIL and detachment groups, has a staff of 17 personnel with authorization to grow to 20 and they occupy an office space sized for no more than five personnel.</p>				
<p>2) The CIL does not have an environmentally controlled analytical facility equipped for odor control and bio-containment when conducting dirty operations such as opening of caskets, defleshing remains or analyzing remains in various stages of decomposition.</p>				
<p>3) The detachment offices are located at Camp Smith while their mission equipment is stored within containers and prefabricated storage sheds at Hickam AFB.</p>				
<p>4) The current records room does not have a designated area for analyst to layout and review historical documents nor does it have a media room to reproduce copies of these documents. Analysts remove files from the records room increasing the potential to misplace/lose records.</p>				
<p>5) The CIL does not have a viewing room for evidence or family consultation. Analysts typically review evidence on a table within the remains floor and also use the remains floor room to meet with families claiming evidence and personal belongings after an identification has been made.</p>				
<p>The CIL is accredited by the American Society of Crime Laboratory Directors Laboratory Accreditation Board. However, to maintain their accreditation, and thus their credibility, the CIL must upgrade their current situation to meet or exceed basic forensic facility standards. In order to meet those</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62813 NAVSTA PEARL HARBOR HI PEARL HARBOR, HAWAII			4. Project Title Joint POW/MIA Accounting Command	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P005	8. Project Cost (\$000) 99,328	
<p>standards, the labs needs a crime lab section which it currently does not have and cannot accommodate because of space constraints. The CIL also requires a full DNA analysis laboratory to eliminate the outsourcing of DNA sequencing to the Armed Forces DNA Identification Laboratory in Rockville, MD. Critical records and evidence storage areas currently are also undersized and need to be housed in spaces that can withstand a catastrophic event such as an earthquake or hurricane.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If not constructed, JPAC will not be able to consolidate their operations within a single facility and be forced to maintain the status quo. JPAC staff at Hickam AFB and Camp Smith will continue to work in overcrowded and sub-standard conditions. The dysfunctional operation will continue to create inefficiencies that negatively impact the search, recovery, and identification of American military personnel. JPAC will have no choice but to pursue major renovations/additions to their lab facility in order to maintain their accreditation or lose their accreditation and jeopardizing their overall mission. In addition, a total of eight JPAC buildings at Hickam AFB are located within the Honolulu International Airport's accident potential zone 1 (APZ1). The APZ1 is the area beyond the clear zone which possesses a significant potential for accidents.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2008
(B) Date 35% Design or Parametric Cost Estimate complete				04/2009
(C) Date design completed				08/2010
(D) Percent completed as of September 2009				35%
(E) Percent completed as of January 2010				75%
(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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$504
(B) All other design costs				\$7,896
(C) Total				\$8,400
(D) Contract				\$7,560
(E) In-house				\$840
4. Contract award:				01/2011
5. Construction start:				02/2011

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62813 NAVSTA PEARL HARBOR HI PEARL HARBOR, HAWAII			4. Project Title Joint POW/MIA Accounting Command	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P005	8. Project Cost (\$000) 99,328	
6. Construction complete:				04/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Classified LAN	OPN	2012	1,684	
Collateral Equipment	OMN	2012	2,249	
Comm Facility	OPN	2012	419	
Security System	OPN	2012	2,550	
Unclassified LAN	OPN	2012	4,094	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.				
Activity POC: Nathan Loo		Phone No: (808) 448-1871		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62813 NAVSTA PEARL HARBOR HI PEARL HARBOR, HAWAII			4. Project Title Joint POW/MIA Accounting Command	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P005	8. Project Cost (\$000) 99,328	
<p>Blank Page</p>				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010				
3. Installation and Location: N61151 NSA SOUTH POTOMAC INDIAN HEAD, MARYLAND					4. Command Commander Navy Installations Command			5. Area Const Cost Index .91				
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL	
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
A. As Of 09-30-09		82	593	3428	0	0	0	55	46	0	4204	
B. End FY 2014		105	1097	3428	0	0	0	55	46	0	4731	
7. INVENTORY DATA (\$000)												
A. TOTAL ACREAGE ..(3227 Acres)												
B. INVENTORY AS OF 30 SEP 2009											1,186,563	
C. AUTHORIZATION NOT YET IN INVENTORY											35,350	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											34,238	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0	
F. PLANNED IN NEXT THREE PROGRAM YEARS											15,861	
G. REMAINING DEFICIENCY											123,602	
H. GRAND TOTAL											1,395,614	
8. Projects Requested In This Program												
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>					
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>							
22665	Agile Chemical Facility, Phase 2	12/2009	12/2010	1238 m2	34,238							
											TOTAL	34,238
9. Future Projects:												
A. Included In The Following Program:												
B. Major Planned Next Three Years:												
31013 Advanced Energetics Research Lab Complex Ph 2											15,861	
											TOTAL	15,861
C. R&M Unfunded Requirement (\$000):											483,233	
10. Mission or Major Functions:												
The mission at Indian Head is providing primary technical capability in energetics for all warfare centers through engineering, fleet and operational support, manufacturing technology, limited production, industrial base support, and secondary technical capability through research, development, test and evaluation for energetic materials, ordnance devices and components, and related ordnance engineering standards to include chemicals, propellants and their propulsion systems, explosives, pyrotechnics, warheads, and simulators. Provide support including special weapons support, explosive safety and ordnance environmental support to all warfare centers, military departments and the ordnance industry.												
11. Outstanding Pollution and Safety Deficiencies (\$000):												
A. Pollution Abatement (*):											0	
B. Occupational Safety and Health(OSH) (#):											0	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N61151 NSA SOUTH POTOMAC INDIAN HEAD, MARYLAND	4. Command Commander Navy Installations Command	5. Area Const Cost Index .91
<p>Blank Page</p>		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61151(IH) NSA SOUTH POTOMAC (NSF INDIAN HEAD) INDIAN HEAD, MARYLAND			4. Project Title Agile Chemical Facility - Phase 2	
5. Program Element 0712876N	6. Category Code 22665	7. Project Number P162	8. Project Cost (\$000) 34,238	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AGILE CHEMICAL FACILITY - PHASE 2 (13,321 SF)	m2	1,237.54		19,250
SPENT ACID PROCESS (2,001 SF)	m2	185.9	4,383.8	(810)
NITRATION PROCESS (2,381 SF)	m2	221.2	8,219.62	(1,820)
REFRIGERATION HOUSE (2,451 SF) (RENOVATE)	m2	227.73	2,191.9	(500)
WASTEWATER TREATMENT (384 SF) (RENOVATE)	m2	35.69	1,738.2	(60)
NITRATION HOUSE - RENOVATION (1,583 SF)	m2	147.07	1,643.92	(240)
MATERIAL STORAGE, PREP AND PRODUCTION (3,775 SF)	m2	350.71	5,479.75	(1,920)
WASTEWATER TREATMENT BLDG. (580 SF) (RENOVATE)	m2	53.91	1,448.2	(80)
SAMPLE HOUSE (165 SF)	m2	15.33	10,959.5	(170)
BUILT-IN EQUIPMENT	LS			(11,510)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(370)
LEED AND EPACT 2005 COMPLIANCE	LS			(790)
INFORMATION SYSTEMS	LS			(60)
SPECIAL COSTS	LS			(760)
ANTI-TERRORISM/FORCE PROTECTION	LS			(160)
SUPPORTING FACILITIES				11,600
ELECTRICAL UTILITIES	LS			(570)
SITE PREPARATIONS	LS			(340)
ENVIRONMENTAL MITIGATION	LS			(2,130)
PAVING AND SITE IMPROVEMENTS	LS			(1,370)
EXPLOSIVES DECONTAMINATION	LS			(2,850)
DEMOLITION	LS			(3,400)
MECHANICAL UTILITIES	LS			(940)
SUBTOTAL				30,850
CONTINGENCY (5%)				1,540
TOTAL CONTRACT COST				32,390
SIOH (5.7%)				1,850

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61151(IH) NSA SOUTH POTOMAC (NSF INDIAN HEAD) INDIAN HEAD, MARYLAND			4. Project Title Agile Chemical Facility - Phase 2	
5. Program Element 0712876N	6. Category Code 22665	7. Project Number P162	8. Project Cost (\$000) 34,238	
SUBTOTAL				34,240
TOTAL REQUEST ROUNDED				34,240
TOTAL REQUEST				34,238
EQUIPMENT FROM OTHER				(3,933)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>The project includes construction of new buildings, tanks, containment structures, and other supporting equipment and facilities. In addition, the project upgrades storage and delivery facilities for chemicals and raw materials, product manufacturing, handling, and transfer facilities, as well as waste treatment facilities.</p> <p>New buildings will have concrete foundations and structural concrete flooring, insulated metal panel wall systems and metal roof systems, information systems, heating and ventilation, fire protection and alarm systems, plumbing, electrical distribution, lighting, utility development, and Technical Operating Manuals. AT/FP measures will include blast resistant glazing, mass notification system, and HVAC intakes located at least 3 m above finished grade. In accordance with the Energy Policy Act of 2005 (EPAct) sustainable principals to meet or exceed a Leadership in Energy and Environmental Design (LEED) Silver Rating for new construction, components will be included in the design. The design will incorporate room occupancy sensors, electrical monitoring with direct digital controls, light emitting diode exit signs, light switching to segregate banks of lights, day lighting where possible, use of recyclable regional and non-toxic construction materials, and pedestrian and bicycling features. Site alterations will include utility connections and relocations, driveway extensions, sidewalks, and landscaping.</p> <p>This project includes construction and renovation activities at the Biazzi Plant and demolition at the Biazzi and Moser Plants. Six new buildings will be constructed; nitration building, final catch tank building, sample house, holding house and otto fuel formulation building, polyol bulk storage, and spent acid storage building. The amount of new construction is 773 m2 (8,321 SF). The buildings to be renovated are Buildings 775, 786 (bays B, C, D, and F), 1695, and 1696 for a total of 464 m2 (4,997 SF). Thirty-nine buildings will be demolished for a total demolition area of 2,220 m2 (23,893 SF). The demolition costs for this project are abnormally high due to the removal of processing equipment in the buildings, underground utilities, re-inforced concrete barriers, transport troughs and product transfer piping. Prior to demolition and construction, soil</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010																																																																																																																																																																											
3. Installation(SA) & Location/UIC: N61151(IH) NSA SOUTH POTOMAC (NSF INDIAN HEAD) INDIAN HEAD, MARYLAND			4. Project Title Agile Chemical Facility - Phase 2																																																																																																																																																																												
5. Program Element 0712876N	6. Category Code 22665	7. Project Number P162	8. Project Cost (\$000) 34,238																																																																																																																																																																												
<p>sampling will be performed to detect any possible lead, asbestos, or nitrate ester contamination in the soil to determine the necessary level of soil remediation. Additional building details follow:</p> <table border="1"> <thead> <tr> <th>Building</th> <th>Property Record No.</th> <th>Cat Code</th> <th>Quantity</th> <th>Year Built</th> <th>PRV</th> <th>FR</th> <th>RR</th> <th>RS</th> </tr> </thead> <tbody> <tr> <td colspan="9">MDI</td> </tr> <tr> <td colspan="9">Biazzi Plant Buildings</td> </tr> <tr> <td>775 (reno) 81</td> <td>201750</td> <td>22665</td> <td>228 m2</td> <td>1953</td> <td>\$415,289</td> <td>F2</td> <td>R3</td> <td>64</td> </tr> <tr> <td>786B,C,D,F 81 (reno)</td> <td>201751</td> <td>22665</td> <td>147 m2</td> <td>1953</td> <td>\$261,833</td> <td>F3</td> <td>R3</td> <td>63</td> </tr> <tr> <td>1695 (reno) 50</td> <td>202377</td> <td>83114</td> <td>36 m2</td> <td>1990</td> <td>\$73,722</td> <td>F2</td> <td>R2</td> <td>81</td> </tr> <tr> <td>1696 (reno) 50</td> <td>202378</td> <td>83114</td> <td>54 m2</td> <td>1990</td> <td>\$106,663</td> <td>F2</td> <td>R2</td> <td>83</td> </tr> <tr> <td>772 (demo) 81</td> <td>202167</td> <td>22556</td> <td>13 m2</td> <td>1954</td> <td>\$25,629</td> <td>F2</td> <td>R4</td> <td>58</td> </tr> <tr> <td>773 (demo) 81</td> <td>201782</td> <td>22666</td> <td>148 m2</td> <td>1953</td> <td>\$270,531</td> <td>F3</td> <td>R1</td> <td>100</td> </tr> <tr> <td>786A (demo) 81</td> <td>201751</td> <td>22665</td> <td>108 m2</td> <td>1953</td> <td>\$192,367</td> <td>F3</td> <td>R3</td> <td>63</td> </tr> <tr> <td>786E (demo) 81</td> <td>201751</td> <td>22665</td> <td>56 m2</td> <td>1953</td> <td>\$99,746</td> <td>F3</td> <td>R3</td> <td>63</td> </tr> <tr> <td>787 (demo) 81</td> <td>201752</td> <td>22665</td> <td>32 m2</td> <td>1953</td> <td>\$57,632</td> <td>F3</td> <td>R4</td> <td>57</td> </tr> <tr> <td>790 (demo) 81</td> <td>201713</td> <td>22665</td> <td>249 m2</td> <td>1953</td> <td>\$454,276</td> <td>F3</td> <td>R3</td> <td>64</td> </tr> <tr> <td>801 (demo) 81</td> <td>201753</td> <td>22665</td> <td>43 m2</td> <td>1953</td> <td>\$78,990</td> <td>F2</td> <td>R4</td> <td>59</td> </tr> <tr> <td>1462 (demo) 81</td> <td>202201</td> <td>22665</td> <td>21 m2</td> <td>1969</td> <td>\$37,461</td> <td>F2</td> <td>R3</td> <td>60</td> </tr> <tr> <td>1463 (demo) 81</td> <td>202202</td> <td>22665</td> <td>94 m2</td> <td>1969</td> <td>\$172,048</td> <td>F2</td> <td>R3</td> <td>65</td> </tr> <tr> <td>1464 (demo) 81</td> <td>202203</td> <td>22665</td> <td>57 m2</td> <td>1969</td> <td>\$104,416</td> <td>F2</td> <td>R3</td> <td>63</td> </tr> <tr> <td>1465 (demo) 81</td> <td>202204</td> <td>22665</td> <td>12 m2</td> <td>1969</td> <td>\$22,036</td> <td>F1</td> <td>R4</td> <td>59</td> </tr> <tr> <td>1506 (demo)</td> <td></td> <td></td> <td>6 m2</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Building	Property Record No.	Cat Code	Quantity	Year Built	PRV	FR	RR	RS	MDI									Biazzi Plant Buildings									775 (reno) 81	201750	22665	228 m2	1953	\$415,289	F2	R3	64	786B,C,D,F 81 (reno)	201751	22665	147 m2	1953	\$261,833	F3	R3	63	1695 (reno) 50	202377	83114	36 m2	1990	\$73,722	F2	R2	81	1696 (reno) 50	202378	83114	54 m2	1990	\$106,663	F2	R2	83	772 (demo) 81	202167	22556	13 m2	1954	\$25,629	F2	R4	58	773 (demo) 81	201782	22666	148 m2	1953	\$270,531	F3	R1	100	786A (demo) 81	201751	22665	108 m2	1953	\$192,367	F3	R3	63	786E (demo) 81	201751	22665	56 m2	1953	\$99,746	F3	R3	63	787 (demo) 81	201752	22665	32 m2	1953	\$57,632	F3	R4	57	790 (demo) 81	201713	22665	249 m2	1953	\$454,276	F3	R3	64	801 (demo) 81	201753	22665	43 m2	1953	\$78,990	F2	R4	59	1462 (demo) 81	202201	22665	21 m2	1969	\$37,461	F2	R3	60	1463 (demo) 81	202202	22665	94 m2	1969	\$172,048	F2	R3	65	1464 (demo) 81	202203	22665	57 m2	1969	\$104,416	F2	R3	63	1465 (demo) 81	202204	22665	12 m2	1969	\$22,036	F1	R4	59	1506 (demo)			6 m2					
Building	Property Record No.	Cat Code	Quantity	Year Built	PRV	FR	RR	RS																																																																																																																																																																							
MDI																																																																																																																																																																															
Biazzi Plant Buildings																																																																																																																																																																															
775 (reno) 81	201750	22665	228 m2	1953	\$415,289	F2	R3	64																																																																																																																																																																							
786B,C,D,F 81 (reno)	201751	22665	147 m2	1953	\$261,833	F3	R3	63																																																																																																																																																																							
1695 (reno) 50	202377	83114	36 m2	1990	\$73,722	F2	R2	81																																																																																																																																																																							
1696 (reno) 50	202378	83114	54 m2	1990	\$106,663	F2	R2	83																																																																																																																																																																							
772 (demo) 81	202167	22556	13 m2	1954	\$25,629	F2	R4	58																																																																																																																																																																							
773 (demo) 81	201782	22666	148 m2	1953	\$270,531	F3	R1	100																																																																																																																																																																							
786A (demo) 81	201751	22665	108 m2	1953	\$192,367	F3	R3	63																																																																																																																																																																							
786E (demo) 81	201751	22665	56 m2	1953	\$99,746	F3	R3	63																																																																																																																																																																							
787 (demo) 81	201752	22665	32 m2	1953	\$57,632	F3	R4	57																																																																																																																																																																							
790 (demo) 81	201713	22665	249 m2	1953	\$454,276	F3	R3	64																																																																																																																																																																							
801 (demo) 81	201753	22665	43 m2	1953	\$78,990	F2	R4	59																																																																																																																																																																							
1462 (demo) 81	202201	22665	21 m2	1969	\$37,461	F2	R3	60																																																																																																																																																																							
1463 (demo) 81	202202	22665	94 m2	1969	\$172,048	F2	R3	65																																																																																																																																																																							
1464 (demo) 81	202203	22665	57 m2	1969	\$104,416	F2	R3	63																																																																																																																																																																							
1465 (demo) 81	202204	22665	12 m2	1969	\$22,036	F1	R4	59																																																																																																																																																																							
1506 (demo)			6 m2																																																																																																																																																																												

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM				2. Date 01 FEB 2010		
3. Installation(SA) & Location/UIC: N61151(IH) NSA SOUTH POTOMAC (NSF INDIAN HEAD) INDIAN HEAD, MARYLAND					4. Project Title Agile Chemical Facility - Phase 2			
5. Program Element	6. Category Code	7. Project Number		8. Project Cost (\$000)				
0712876N	22665	P162		34,238				
1831 (demo) 69	202451	83114	134 m2	1993	\$264,819	F1	R1	100
Moser Plant Buildings								
670 (demo)			83 m2					
671 (demo) 69	201643	44130	23 m2	1943	\$34,898	F2	R4	55
672 (demo) 69	201649	44130	23 m2	1948	\$34,898	F2	R4	57
674 (demo) 50	201627	31610	141 m2	1948	\$330,426	F2	R4	57
676 (demo) 50	201653	31610	79 m2	1948	\$186,164	F2	R4	57
676A (demo) 69	201638	31610	11 m2	1948	\$26,190	F2	R4	53
676B (demo) 50	201633	31610	66 m2	1948	\$154,519	F2	R4	52
1174 (demo) 13	202027	31915	19 m2	1963	\$33,237	F1	R4	57
1175 (demo) 13	202028	31915	19 m2	1963	\$33,237	F1	R4	57
1242 (demo) 13	202063	39016	112 m2	1963	\$248,163	F1	R1	100
1543 (demo) 81	202247	22665	92 m2	1974	\$167,133	F1	R3	68
1544 (demo) 81	202248	22665	52 m2	1974	\$95,093	F1	R3	65
1545 (demo) 81	202249	22665	3 m2	1974	\$5,933	F1	R4	59
1667 (demo) 69	202304	42132	126 m2	1984	\$344,759	F2	R3	61
1694 (demo) 50	202376	83114	68 m2	1990	\$135,168	F2	R3	72
1828 (demo) 66	202456	81159	31 m2	1992	\$61,791	F1	R2	88
1852 (demo) 69	202464	31610	5 m2	1992	\$10,912	F1	R3	78
1899 (demo) 81	202513	31610	9 m2	1995	\$21,825	F1	R2	83
1988 (demo) 69	202604	31610	56 m2	1994	\$130,948	F1	R2	80
1989 (demo)	202605	31610	56 m2	1994	\$130,948	F1	R2	80

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM				2. Date 01 FEB 2010																																																	
3. Installation(SA) & Location/UIC: N61151(IH) NSA SOUTH POTOMAC (NSF INDIAN HEAD) INDIAN HEAD, MARYLAND				4. Project Title Agile Chemical Facility - Phase 2																																																			
5. Program Element 0712876N		6. Category Code 22665		7. Project Number P162		8. Project Cost (\$000) 34,238																																																	
<table border="1"> <tr> <td>69</td> <td>1990 (demo)</td> <td>202606</td> <td>31610</td> <td>56 m2</td> <td>1994</td> <td>\$130,948</td> <td>F1 R2 80</td> </tr> <tr> <td>69</td> <td>1991 (demo)</td> <td>202607</td> <td>14378</td> <td>56 m2</td> <td>1994</td> <td>\$55,946</td> <td>F1 R2 86</td> </tr> <tr> <td>69</td> <td>1995 (demo)</td> <td>202611</td> <td>31610</td> <td>7 m2</td> <td>1998</td> <td>\$17,460</td> <td>F1 R1 91</td> </tr> <tr> <td>69</td> <td>3018 (demo)</td> <td>202635</td> <td>87125</td> <td>11 m2</td> <td>1994</td> <td>\$75,420</td> <td>F1 R1 100</td> </tr> <tr> <td>13</td> <td>3019 (demo)</td> <td>202660</td> <td>87125</td> <td>42 m2</td> <td>1998</td> <td>\$75,420</td> <td>F1 R1 100</td> </tr> <tr> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Built-in equipment includes pollution control equipment and process control equipment.</p>								69	1990 (demo)	202606	31610	56 m2	1994	\$130,948	F1 R2 80	69	1991 (demo)	202607	14378	56 m2	1994	\$55,946	F1 R2 86	69	1995 (demo)	202611	31610	7 m2	1998	\$17,460	F1 R1 91	69	3018 (demo)	202635	87125	11 m2	1994	\$75,420	F1 R1 100	13	3019 (demo)	202660	87125	42 m2	1998	\$75,420	F1 R1 100	13							
69	1990 (demo)	202606	31610	56 m2	1994	\$130,948	F1 R2 80																																																
69	1991 (demo)	202607	14378	56 m2	1994	\$55,946	F1 R2 86																																																
69	1995 (demo)	202611	31610	7 m2	1998	\$17,460	F1 R1 91																																																
69	3018 (demo)	202635	87125	11 m2	1994	\$75,420	F1 R1 100																																																
13	3019 (demo)	202660	87125	42 m2	1998	\$75,420	F1 R1 100																																																
13																																																							
11. Requirement: <u>811 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Project will construct new facilities and renovate existing facilities, providing improved facilities for the manufacture of nitrate esters at the Biazzi Chemical Plant at NSF Indian Head. The facilities include nitration, material storage, preparation, and production, sampling, and waste treatment facilities. (Current Mission) REQUIREMENT: The project supports the existing mission to manufacture several nitrate esters, including otto fuel (torpedo fuel), at the Biazzi Chemical Plant. IHDIIV provides this chemical to joint military forces and allied nations and is the only producer of otto fuel in the free world. The project is needed in FY11 to replace an antiquated facility with state of the art process control equipment. Each year that the plant ages without significant upgrades, it continues to decline in its ability to meet its mission; the equipment continues to deteriorate and becomes more costly to maintain, repair, and upgrade; and personnel are subjected to hazards that could easily be eliminated through upgrades. The new facility will reduce maintenance costs while improving production flexibility and efficiency. The project will allow a greater range of turndown capability - 2,000 lb/hr to 200 lb/hr with the new plant compared to 1,500 lb/hr to 750 lb/hr with the existing plant. As the throughput increases, the amount of time required to produce a given amount of product will decrease. The number of personnel will not change - seven operators																																																							

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61151(IH) NSA SOUTH POTOMAC (NSF INDIAN HEAD) INDIAN HEAD, MARYLAND			4. Project Title Agile Chemical Facility - Phase 2	
5. Program Element 0712876N	6. Category Code 22665	7. Project Number P162	8. Project Cost (\$000) 34,238	
<p>will still be needed; however, the hazards that the personnel are exposed to will significantly decrease. Specifically, the new facilities will reduce the amount of detonable material in the process at any given time by 1/3 when compared to the current process. The facility also will increase the safety of operating personnel by removing them from the existing attended operation and placing them in a remotely-located control room to operate the process.</p> <p>In addition, the project will provide for the consolidation of nitrate-ester manufacturing capabilities at one primary facility - rather than two separate facilities.</p> <p>Project development includes sustainable design features under EPACT 2005 and uses LEED credits, to ensure compliance.</p> <p>CURRENT SITUATION:</p> <p>With its existing facilities, IHDIV's production readiness capability continues to decline, hindering its ability to fulfill its mission to manufacture nitrate ester propellants and explosives for U.S. joint and Allied forces. IHDIV is negatively affected by the following specific conditions:</p> <p>1.) IHDIV currently has two nitration facilities - the Biazzi and Moser Chemical Plants. The Biazzi Chemical Plant has a maximum capacity of 1,000 kg/hr and the capability to manufacture Otto Fuel and nitroglycerine. The Moser Chemical Plant has a maximum capacity of 300 kg/hr and the capability to manufacture various other nitrate esters. Neither nitration facility is "all inclusive" in the manufacture of nitrate esters and the Moser Chemical Plant is limited in its ability to expand because of available real estate and explosives limits. IHDIV's goal is to consolidate the capabilities of both of these plants to one primary facility at the Biazzi Plant.</p> <p>2.) The existing Biazzi Chemical Plant is beyond cost effective repair and/or upgrades. The plant was built in the 1950's and is deteriorated and antiquated.</p> <p>3.) The Biazzi Chemical Plant nitration process currently is manually-controlled, severely limiting IHDIV's ability to reduce personnel exposure during Otto Fuel manufacturing. There currently are seven operators at the Biazzi Plant. The working environment in the plant is not Occupational Safety and Health Administration (OSHA) compliant.</p> <p>4.) The current Biazzi Chemical Plant relies on outdated static separator</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61151(IH) NSA SOUTH POTOMAC (NSF INDIAN HEAD) INDIAN HEAD, MARYLAND			4. Project Title Agile Chemical Facility - Phase 2	
5. Program Element 0712876N	6. Category Code 22665	7. Project Number P162	8. Project Cost (\$000) 34,238	
<p>technology (installed in 1953), which should be replaced with newer technology, such as centrifugal separators. Use of centrifugal separators would greatly reduce the amount of explosives in the nitration process at any given time. In addition, the current nitration process cannot be "turned down" to a rate lower than 50 percent of the design capacity, limiting the flexibility of the development and manufacture of unique nitrated chemicals.</p> <p>5.) The processes are not environmentally friendly. The plant produces large amounts of wastewater that is high in nitrates (2.7 gallons of wastewater per gallon of product). As currently configured, the processes do not lend themselves to effective waste minimization practices and do not meet current Chesapeake Bay Initiatives for nitrate reduction, and buildings are contaminated with lead, asbestos, and hazardous materials.</p> <p>6.) In addition, there are National Electrical Code (NEC) deficiencies, air quality, and egress issues that need to be addressed but have not been officially documented.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Without this project, IHDIIV will continue to decline in its already marginal ability to fulfill its mission to manufacture nitrate ester propellants and explosives (specifically otto fuel II which is used in the MK 46, 48, and 54 torpedoes) for U.S. joint and Allied forces. IHDIIV will not be able to increase capabilities and provide greater flexibility in the development and manufacture of unique nitrated chemicals. In addition, it will not be able to improve process safety, decrease nitrate ester costs, improve quality of life in the workplace, or reduce cost to maintain aging infrastructure.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				12/2009
(B) Date 35% Design or Parametric Cost Estimate complete				03/2010
(C) Date design completed				12/2010
(D) Percent completed as of September 2009				2%
(E) Percent completed as of January 2010				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 previously used				N/A

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.06			
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		745	1636	6703	0	0	0	81	27	0	9192
B. End FY 2014		870	1718	6703	0	0	0	81	27	0	9399
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(6424 Acres)											
B. INVENTORY AS OF 30 SEP 2009											3,029,982
C. AUTHORIZATION NOT YET IN INVENTORY											0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											42,211
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											64,271
F. PLANNED IN NEXT THREE PROGRAM YEARS											76,144
G. REMAINING DEFICIENCY											735,542
H. GRAND TOTAL											3,948,150
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
31125	Broad Area Maritime Surveillance T&E Fac	04/2008	04/2010			6636 m2	42,211				
TOTAL											42,211
9. Future Projects:											
A. Included In The Following Program:											
31125 Aircraft Prototype Facility, Phase 3											16,941
31125 Aircraft Prototype Facility, Phase 2											47,330
TOTAL											64,271
B. Major Planned Next Three Years:											
31120 GSE Research and Development Center											13,037
31125 Safety Systems Engineering Facility											5,716
32110 CONSOLIDATED PRECISION MACHINE SHOP											12,845
31033 Atlantic Test Range Modernization											9,728
31110 Multi-Program Secure RDT&E Facility											12,175
31105 AVMI Rapid Prototyping Facility											5,944
31725 Network Warfare Interoperability Center											9,718
42172 MISSILE MAGAZINES											6,981
TOTAL											76,144
C. R&M Unfunded Requirement (\$000):											650,293
10. Mission or Major Functions:											
Supports the Navy by providing the warfighter with technologies that deliver dominant combat effects and matchless capabilities. As the host, NAS Patuxent River provides effective and affordable integrated warfare systems and life cycle support by performing RDT&E, acquisition, engineering and fleet support for manned and unmanned aircraft, engines, avionics, aircraft support systems and ship/shore/air operations.											

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.06
11. Outstanding Pollution and Safety Deficiencies (\$000): A. Pollution Abatement (*): 0 B. Occupational Safety and Health(OSH) (#): 0		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title Broad Area Maritime Surveillance T & E Fac	
5. Program Element 0816376N	6. Category Code 31125	7. Project Number P263	8. Project Cost (\$000) 42,211	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BROAD AREA MARITIME SURVEILLANCE T & E FAC (71,428 SF)	m2	6,635.86		23,650
UAV HANGAR (39,839 SF)	m2	3,701.15	3,301.05	(12,220)
LABORATORY/OFFICE (30,589 SF)	m2	2,841.81	2,817.28	(8,010)
FIBER DISTRIBUTION NODE & SHELTER (1,000 SF)	m2	92.9	9,747.76	(910)
BUILT-IN EQUIPMENT	LS			(1,190)
ANTI-TERRORISM/FORCE PROTECTION	LS			(70)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(250)
INFORMATION SYSTEMS	LS			(70)
SPECIAL COSTS	LS			(400)
LEED AND EPACT 2005 COMPLIANCE	LS			(530)
SUPPORTING FACILITIES				13,050
SPECIAL FOUNDATION FEATURES	LS			(4,050)
PAVING AND SITE IMPROVEMENTS	LS			(5,710)
MECHANICAL UTILITIES	LS			(420)
ELECTRICAL UTILITIES	LS			(2,200)
SITE PREPARATIONS	LS			(670)
SUBTOTAL				36,700
CONTINGENCY (5%)				1,840
TOTAL CONTRACT COST				38,540
SIOH (5.7%)				2,200
SUBTOTAL				40,740
DESIGN/BUILD - DESIGN COST				1,470
TOTAL REQUEST ROUNDED				42,210
TOTAL REQUEST				42,211
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(6,273)
10. Description of Proposed Construction:				
Construct a high-bay, steel-frame hangar on concrete pile and grade beam foundation, with concrete slab, built-up roofing over insulated structural metal deck and steel truss framing. The hangar includes sliding doors with door pockets external to the hangar bay, providing for a clear opening 320				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title Broad Area Maritime Surveillance T & E Fac	
5. Program Element 0816376N	6. Category Code 31125	7. Project Number P263	8. Project Cost (\$000) 42,211	
<p>feet wide. The facility includes: maintenance, operations and administrative spaces; storage and work spaces; communication rooms; lab spaces; a mission control system and spaces to support major acquisition and Test and Evaluation (T&E) programs; and sensitive compartmented information facility (SCIF) area. The project includes aircraft parking aprons, taxiway access, line vehicle parking, fiber distribution node and shelter, antenna farm, mobile command ground station, storage building, roadway and on-site parking and site improvements. Supporting facilities include information systems, computer flooring, HVAC system, fire protection and alarm systems. Built-in equipment includes freight elevator, an aqueous film forming foam system, 400Hz power, 5 ton Overhead Crane rails, compressed air, lightning protection, snow melting system, and loading dock. The project will conform to anti-terrorism/force protection standards and follow sustainable development compliance criteria for design, development and construction of this project.</p>				
<p>11. Requirement: <u>6,635 m2</u> Adequate: Substandard:</p> <p>PROJECT:</p> <p>Construct a hangar complex for T&E of the broad area maritime surveillance (BAMS) unmanned aerial vehicle (UAV) system.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>The Navy mission is to provide Unmanned Air Systems (UAS) with persistent maritime intelligence, surveillance and reconnaissance data collection and dissemination capability to the Fleet. UAS serve as a force multiplier for the Joint Force and Fleet Commander, enhancing situational awareness of the battle-space and shortening the sensor-to-shooter kill chain. The Navy has a requirement to perform T&E functions and provide program management for new unmanned aircraft platforms being proposed, as they evolve from the system development and demonstration (SDD) phase into the system procurement phase and beyond into their operations and maintenance life cycle phase. In order to perform these functions, adequate facilities for operations, maintenance and testing of the associated aircraft are required.</p> <p>CURRENT SITUATION:</p> <p>The Navy has recently achieved Milestone B for the BAMS UAS, establishing it as an Acquisition Category (ACAT) ID Program of Record and authorizing SDD solicitation.</p> <p>Initial Operational Capability (IOC) for the BAMS UAS is 2013 and is defined as one base unit with sufficient assets, technical data, training systems and enough spares and support equipment to operationally support</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title Broad Area Maritime Surveillance T & E Fac	
5. Program Element 0816376N	6. Category Code 31125	7. Project Number P263	8. Project Cost (\$000) 42,211	
<p>one persistent surveillance orbit. Currently there are no facilities (hangars, T&E labs, and office spaces) available at NAS Patuxent River that meet the program's requirement of operational flexibility (three aircraft) and co-location (aircraft and T&E personnel).</p> <p>Currently, the program office has people scattered across the station including Buildings 101, 301, 588, 2272 and temporary trailers. UAV research continues to expand, adding personnel to the program office staff.</p> <p>NAS Patuxent River is the test site for all naval aircraft. The Naval Air Warfare Center - Aircraft Division, on behalf of the Naval Air Systems Command, performs all research, development, test and evaluations (on new and in-service aircraft) for the entire Navy. Currently most of the hangar bays and all of the associated maintenance and administrative spaces at NAS Patuxent River are occupied by tenants such as the Navy's Test Pilot School and the Navy Research Lab or test programs such as the Joint Strike Fighter, EA-18G and Multi-mission Maritime Aircraft.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Not meeting the requirements will cause severe impact to Navy and other U.S and Allied forces operations. Missions impacted include maritime surveillance, collection of enemy order of battle information, battle damage assessment, port surveillance, communication relay, maritime interdiction, surface warfare, battle-space management and targeting for maritime and littoral strike missions.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				04/2008
(B) Date 35% Design or Parametric Cost Estimate complete				09/2009
(C) Date design completed				04/2010
(D) Percent completed as of September 2009				35%
(E) Percent completed as of January 2010				60%
(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 previously used				n/a
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,400
(B) All other design costs				\$200
(C) Total				\$1,600

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title Broad Area Maritime Surveillance T & E Fac	
5. Program Element 0816376N	6. Category Code 31125	7. Project Number P263	8. Project Cost (\$000) 42,211	
(D) Contract				\$1,400
(E) In-house				\$200
4. Contract award:				11/2010
5. Construction start:				02/2011
6. Construction complete:				10/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Furniture	OMN	2012	4,328	
Physical Security Equipment	OPN	2012	1,945	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Jim Woods			Phone No: 301-757-4771	

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. Date 01 FEB 2010				
3. Installation and Location: M00146 MCAS CHERRY POINT NC BOGUE, NORTH CAROLINA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index .89					
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL	
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		133	1113	1399	61	343	0	925	8186	1343	
B. End FY 2014		133	1112	1399	61	556	0	890	7634	1315	
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(849 Acres)											
B. INVENTORY AS OF 30 SEP 2009										32,724	
C. AUTHORIZATION NOT YET IN INVENTORY										104,600	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										3,790	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0	
F. PLANNED IN NEXT THREE PROGRAM YEARS										0	
G. REMAINING DEFICIENCY										0	
H. GRAND TOTAL										141,114	
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
91110	Mariner's Bay Land Acquisition, Bogue	08/2009		05/2010		0 LS	3,790				
							TOTAL	3,790			
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
C. R&M Unfunded Requirement (\$000):										9,364	
10. Mission or Major Functions:											
To provide the highest quality aviation facilities, support, and services to promote the readiness, sustainment and quality of life for marines, sailors, civilian marines, family members and others associated with MCAS Cherry Point.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):										0	
B. Occupational Safety and Health(OSH) (#):										0	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M00146 MCAS CHERRY POINT NC BOGUE, NORTH CAROLINA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index .89

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146(AE) MCAS CHERRY POINT NC (ALF BOGUE) BOGUE, NORTH CAROLINA			4. Project Title Mariner's Bay Land Acquisition - Bogue	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P164	8. Project Cost (\$000) 3,790	
<p>MCALF Bogue is extensively used for day/night training operations in support of Marine Medium Tilt-Rotor Squadron and Training (VMA/VMAT) squadrons based at Marine Corps Air Station (MCAS) Cherry Point and other aviation assets as needed. MCALF Bogue is the primary site for Vertical and/or Short Take-Off and Landing (V/STOL) carrier landing practice for MCAS Cherry Point based squadrons.</p> <p>MCALF Bogue currently experiences a variety of encroachment pressures which have the potential to negatively impact training operations at this important training site.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If this parcel is not acquired, it will almost certainly be intensively developed, primarily for residential use. This use would be permitted by local zoning regulations but is incompatible with AICUZ Accident Potential Zone (APZ) I and Noise Zone (NZ) 3. The potential for noise complaints and other encroachment issues will result from allowing this development to proceed, which could negatively impact operational availability. A significant increase in the civilian population subject to low altitude overflight will also occur.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				35%
(F) Type of design contract				Other
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				
(B) All other design costs				\$570
(C) Total				\$570
(D) Contract				\$520
(E) In-house				\$50
4. Contract award:				04/2011
5. Construction start:				05/2011
6. Construction complete:				06/2012

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146(AE) MCAS CHERRY POINT NC (ALF BOGUE) BOGUE, NORTH CAROLINA			4. Project Title Mariner's Bay Land Acquisition - Bogue	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P164	8. Project Cost (\$000) 3,790	
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.				
Activity POC: Don Elliott			Phone No: 252-466-4763	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146(AE) MCAS CHERRY POINT NC (ALF BOGUE) BOGUE, NORTH CAROLINA			4. Project Title Mariner's Bay Land Acquisition - Bogue	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P164	8. Project Cost (\$000) 3,790	
Blank Page				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: M67001 MARINE CORPS BASE CAMP LEJEUNE CAMP LEJEUNE, NORTH CAROLINA				4. Command Commandant of the Marine Corps			5. Area Const Cost Index 1.06				
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		174	1860	2093	325	15836	0	2971	36690	7066	67015
B. End FY 2014		167	1780	2089	325	15836	0	3154	37355	7140	67846
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(132651 Acres)											
B. INVENTORY AS OF 30 SEP 2009											8,491,482
C. AUTHORIZATION NOT YET IN INVENTORY											724,711
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											789,393
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											498,296
F. PLANNED IN NEXT THREE PROGRAM YEARS											70,722
G. REMAINING DEFICIENCY											2,093,379
H. GRAND TOTAL											12,667,983
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>						
21451	Motor Transportation/Comm Maintenance Fac	08/2009	05/2010	1825 m2	18,470						
14365	2nd Intel Bn Maintenance/Operations Complex	08/2009	08/2010	18340 m2	90,270						
61073	Maintenance/Ops Complex, 2nd Anglico	08/2009	05/2010	5340 m2	36,100						
14320	EOD Addition, 2nd Marine Logistics Group	08/2009	05/2010	1490 m2	7,420						
72124	Bachelor Enlisted Quarters, Wallace Creek North	08/2009	05/2010	12819 m2	46,290						
72124	Bachelor Enlisted Quarters, Courthouse Bay	08/2009	05/2010	9623 m2	42,330						
72124	Bachelor Enlisted Quarters, Courthouse Bay	07/2009	05/2010	9623 m2	40,780						
72210	Mess Hall Addition, Courthouse Bay	08/2009	05/2010	199 m2	2,553						
93220	Utility Expansion, Hadnot Point	08/2009	05/2010	0 LS	56,470						
93220	Utility Expansion, French Creek	08/2009	06/2010	11 EA	56,050						
72210	Mess Hall, French Creek	08/2009	05/2010	2029 m2	25,960						
72124	Bachelor Enlisted Quarters, Rifle Range	08/2009	05/2010	11108 m2	55,350						
72124	Bachelor Enlisted Quarters, French Creek	08/2009	05/2010	9623 m2	43,640						
72124	Bachelor Enlisted Quarters, Camp Johnson	08/2009	05/2010	8512 m2	46,550						
72124	Bachelor Enlisted Quarters,	08/2009	05/2010	6521 m2	51,660						

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM		2. Date 01 FEB 2010
3. Installation and Location: M67001 MARINE CORPS BASE CAMP LEJEUNE CAMP LEJEUNE, NORTH CAROLINA	4. Command Commandant of the Marine Corps		5. Area Const Cost Index 1.06
Wallace Creek			
14345 Armory II MEF, Wallace Creek	08/2009 06/2010	1304 m2	12,280
93220 Marine Corps Energy Initiative	08/2009 09/2010	0 LS	9,950
21105 Hangar	08/2009 05/2010	12264 m2	73,010
21105 Maintenance Hangar (HMLA)	08/2009 06/2010	12234 m2	74,260
TOTAL			789,393
9. Future Projects:			
A. Included In The Following Program:			
17751 Squad Battle Course			14,844
61072 Recon Platoon Maintenance/Ops Complex			39,575
72124 Bachelor Enlisted Quarters, Wallace Creek			40,846
72124 Bachelor Enlisted Quarters, Courthouse Bay			47,971
72124 Bachelor Enlisted Quarters, Rifle Range			39,197
72124 Bachelor Enlisted Quarters, Wallace Creek			57,738
72124 Bachelor Enlisted Quarters, Wallace Creek			51,627
85110 New Base Entry Point and Road, Phase 2			91,410
21451 Motor Transportation Facility, HQ BN			27,960
14345 Armory			10,900
21105 HMT Hangar With Apron, HMLA			48,845
11656 CALA Addition			4,531
61010 Installation Personnel Admin Center			11,704
21105 MALS Addition			11,148
TOTAL			498,296
B. Major Planned Next Three Years:			
21820 8th Engineer Ops/Maintenance Complex			38,781
17961 II MEF Specialized Shooting Complex			31,941
TOTAL			70,722
C. R&M Unfunded Requirement (\$000):			198,620
10. Mission or Major Functions:			
MCB Camp Lejeune supports the combat readiness of expeditionary forces by providing training, logistic, garrison support, mobilization and deployment support and a wide range of quality of life services including housing, safety and security, medical and dental care, family services, off-duty education and recreation.			
11. Outstanding Pollution and Safety Deficiencies (\$000):			
A. Pollution Abatement (*):			0
B. Occupational Safety and Health(OSH) (#):			0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(GA) MARINE CORPS BASE CAMP LEJEUNE (CAMP GEIGER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Motor Transportation/Comm. Maint. Fac.	
5. Program Element 0216496M	6. Category Code 21451	7. Project Number P004	8. Project Cost (\$000) 18,470	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MOTOR TRANSPORTATION/COMM. MAINT. FAC. (19,644 SF)	m2	1,825		6,320
MOTOR-T FACILITY (13,821 SF)	m2	1,284	2,689.43	(3,450)
ELECTRONICS/COMMUNICATIONS MAINT SHOP (5,414 SF)	m2	503	2,570.79	(1,290)
PUMP HOUSE (118 SF)	m2	11	7,378.86	(80)
OPERATIONAL HAZARDOUS/FLAMMABLE STORAGE (291 SF)	m2	27	1,134.39	(30)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
LEED AND EPACT 2005 COMPLIANCE	LS			(460)
INFORMATION SYSTEMS	LS			(130)
BUILT-IN EQUIPMENT	LS			(720)
SPECIAL COSTS	LS			(10)
SUPPORTING FACILITIES				9,750
SPECIAL FOUNDATION FEATURES	LS			(470)
ANTI-TERRORISM/FORCE PROTECTION	LS			(120)
PAVING AND SITE IMPROVEMENTS	LS			(5,480)
SITE PREPARATIONS	LS			(730)
MECHANICAL UTILITIES	LS			(1,040)
DEMOLITION	LS			(390)
ENVIRONMENTAL MITIGATION	LS			(770)
ELECTRICAL UTILITIES	LS			(700)
LEED COMPLIANCE - SITE	LS			(50)
SUBTOTAL				16,070
CONTINGENCY (5%)				800
TOTAL CONTRACT COST				16,870
SIOH (5.7%)				960
SUBTOTAL				17,830
DESIGN/BUILD - DESIGN COST				640
TOTAL REQUEST ROUNDED				18,470

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010	
3. Installation(SA) & Location/UIC: M67001(GA) MARINE CORPS BASE CAMP LEJEUNE (CAMP GEIGER) CAMP LEJEUNE, NORTH CAROLINA				4. Project Title Motor Transportation/Comm. Maint. Fac.		
5. Program Element 0216496M		6. Category Code 21451	7. Project Number P004	8. Project Cost (\$000) 18,470		
TOTAL REQUEST						18,470
EQUIPMENT FROM OTHER						(237)
APPROPRIATIONS (NON ADD)						
10. Description of Proposed Construction:						
<p>Construct a multi-story motor transport and electronics/communications operations and maintenance facility with interior and exterior concrete masonry unit walls on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, and standing seam metal roof. Project includes: five drive through equipment maintenance bays, two battery charging/storage rooms, tool storage, parts storage, administrative space, classroom space, restroom facilities, pump house, and hazardous material (HAZMAT) storage building to house unused Petroleum, Oil and Lubricants (POL) with secondary containment. Built-in equipment includes: 15 ton hydraulic lifts, POL distribution system, uninterruptable power supply system, fire pump with generator backup, vehicle exhaust system, spectrally selective window glazing, and energy management control system. Electrical systems include: power, lighting, and fire alarm. Mechanical systems include: plumbing, fire protection, lubrication system, compressed air, and HVAC. Information systems include telephone, data, local area network, voice and data communication, secure information systems, cable television, and mass notification. This project will require multiple Next Generation Intranet support.</p> <p>Supporting facilities include: site lighting, paved parking and roadways, sidewalks, miscellaneous concrete pads, stormwater management system, clearing and grubbing, earthwork, access roads, landscaping, intersection improvements, and building and roadway signage. Paving and site improvements costs include a tactical vehicle skills training range, heavy duty pavement premium, wash racks, tactical vehicle and personally owned vehicle parking.</p> <p>Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, steam, stormwater management, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project. Low Impact Development will be included in the design and construction of this project.</p>						

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(GA) MARINE CORPS BASE CAMP LEJEUNE (CAMP GEIGER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Motor Transportation/Comm. Maint. Fac.	
5. Program Element 0216496M	6. Category Code 21451	7. Project Number P004	8. Project Cost (\$000) 18,470	
<p>This project includes the demolition of four buildings/structures TC771, TC773, STC768 and STC1144 for a total of 1356 square meters.</p> <p>This project includes operation and maintenance support information, environmental mitigation, and Geospatial Data Survey and Mapping.</p>				
<p>11. Requirement: <u>1,825 m2</u> Adequate: <u>401 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT:</p> <p>Construct a consolidated motor transport and communications operations and maintenance facility for the School of Infantry (SOI), East. This project co-locates motor transportation operations and maintenance for the Motor Transport and Communications Sections.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Adequate and efficiently configured facilities to support the consolidation of all motor transportation assets and missions assigned to the Motor Transport and Communications elements of the SOI, East is required. The Motor Transport (Motor T) section and the Communications section of SOI, East are under the direct control of the SOI S-4, Logistics. As such they directly support Infantry Training Battalion (ITB), Marine Combat Training Battalion (MCT), the Advanced Infantry Training Company (AITC), and the Staff Noncommissioned Officer Academy (SNCO Academy).</p> <p>ITB and MCT will always have at least two, usually three, and at most four infantry training companies on-board at any one time. AITC has about seven separate courses, with usually three or four on-going at any one time, while the SNCO Academy has three courses. Motor Transport dispatches 55 to 60 vehicles daily for transportation of students, safety vehicles for ranges, logistics support vehicles for the training companies, and as weapons firing platforms. The Motor-T section performs maintenance on all 82 tactical vehicles and the 90 leased vehicles belonging to SOI East.</p> <p>CURRENT SITUATION:</p> <p>Motor Transport and Communications are currently operating out of three dispersed facilities in Camp Geiger. The existing Motor-T facilities, TC771 and TC773 are badly deteriorated, 60-year-old, metal buildings with ad hoc offices, insufficient heads, and inadequate washracks. There are holes throughout the exterior of the facilities that are allowing water to enter during foul weather conditions, and are causing hazardous conditions for personnel. None of the administrative offices that have been added include climate control and/or ventilation systems. There is no fire alarm system present and lead paint chips are continually falling into the</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(GA) MARINE CORPS BASE CAMP LEJEUNE (CAMP GEIGER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Motor Transportation/Comm. Maint. Fac.	
5. Program Element 0216496M	6. Category Code 21451	7. Project Number P004	8. Project Cost (\$000) 18,470	
<p>offices from the ceiling. There are no bathrooms in TC771 and in TC773 the bathroom floor is caving in.</p> <p>Within the maintenance bays the lack of a vehicle exhaust ventilation system contributes to hazardous working conditions for personnel. The current maintenance bay lighting is very poor, they lack proper drainage and there is no oil water separator to catch spills. There is no battery room or POL room currently available and no properly secured tool room or layettes room. The metal bay doors that are used throughout the facility are dangerous and could seriously injure personnel if they fall off their supports. The Hazardous Materials (HAZMAT) area is inadequate: there is no drainage, secondary containment, or protection from the elements and the area security is not compliant with Marine Corps security orders.</p> <p>The tactical vehicle parking area has drainage problems and is not large enough to accommodate the combination of tactical vehicle storage and the required skills test lot. The two washracks are not sufficient to support the amount of vehicles assigned to the Motor-T and there is no area lighting around TC771.</p> <p>The SOI Communications section is located in TC839 on Camp Geiger. The building is single story built as an "open squad-bay" and is separated from the Motor-T facility. There is no vehicular access for the loading and unloading of communications equipment or computers. The current building has no restroom facilities, and no running water. Currently, there are three Staff Non-commissioned Officers working in an office space of 8 feet by 8 feet. This building does not have vehicle maintenance bays to perform preventive maintenance, corrective maintenance or modifications on 19 vehicular radio systems.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Personnel will continue to work in facilities lacking basic Quality of Life features. The Motor-T and Communications maintenance efforts will continue to degrade due to insufficient workspace and loss of man-hours traveling between the separated work areas. Mechanics will continue to work in facilities with potential safety risks. Without proper and timely preventative maintenance performed on vehicles, training throughput will be affected. There is not sufficient space to contain HAZMAT.</p> <p>The Motor-T section will continue to train unskilled student drivers between rows of parked tactical vehicles and on public roadways. This jeopardizes the safety of personnel and does not allow uniform training methodology.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(GA) MARINE CORPS BASE CAMP LEJEUNE (CAMP GEIGER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Motor Transportation/Comm. Maint. Fac.	
5. Program Element 0216496M	6. Category Code 21451	7. Project Number P004	8. Project Cost (\$000) 18,470	
<p>SOI Communications will continue to operate in inadequate facilities that do not have the space, vehicle access, plumbing and vehicle repair area to meet minimum quality of work standards. This situation will continue to impair the Communications section's ability to effectively perform their mission. Moisture-sensitive and temperature-sensitive equipment and computers will continue to be subjected to harmful elements and therefore promote premature deterioration of electronic components which will in turn increase costs of maintenance, calibration, and replacement of these items. Marines will continue to work either outside in the elements or in a cramped workspace without the proper hygiene and hazardous material safety considerations. The Base will continue to expend excessive operational dollars maintaining facilities that have exceeded their economic life expectancy.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				35%
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$300
(C) Total				\$900
(D) Contract				\$800
(E) In-house				\$100
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				06/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>		<u>FY Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>		<u>or Requested</u>	<u>Cost (\$000)</u>

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(GA) MARINE CORPS BASE CAMP LEJEUNE (CAMP GEIGER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Motor Transportation/Comm. Maint. Fac.	
5. Program Element 0216496M	6. Category Code 21451	7. Project Number P004	8. Project Cost (\$000) 18,470	
Collateral Equipment		O&MMC	2012	128
NGEN Support		O&MMC	2012	109
JOINT USE CERTIFICATION: The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: W. L. Brant			Phone No: 910-451-1833	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Intel Bn Maintenance/Operations Complex	
5. Program Element 0206496M	6. Category Code 14365	7. Project Number P1034	8. Project Cost (\$000) 90,270	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
2ND INTEL BN MAINTENANCE/OPERATIONS COMPLEX (197,410 SF)	m2	18,340		60,820
UTILITY PLANT (2,799 SF)	m2	260	2,055.27	(530)
OPERATIONS CONTROL CENTER / SCIF (55,380 SF)	m2	5,145	3,476.22	(17,890)
BN/CO HEADQUARTERS (92,451 SF)	m2	8,589	2,909.65	(24,990)
TACTICAL VEHICLE MAINT SHOP (10,236 SF)	m2	951	2,789.62	(2,650)
HAZMAT STORAGE BUILDING (1,001 SF)	m2	93	2,793.47	(260)
BATTALION AID STATION (3,380 SF)	m2	314	5,238.39	(1,640)
SUPPLY WAREHOUSE (32,163 SF)	m2	2,988	1,605.95	(4,800)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(870)
BUILT-IN EQUIPMENT	LS			(2,950)
LEED AND EPACT 2005 COMPLIANCE	LS			(2,200)
ANTI-TERRORISM/FORCE PROTECTION	LS			(580)
SPECIAL COSTS	LS			(100)
INFORMATION SYSTEMS	LS			(1,360)
SUPPORTING FACILITIES				17,680
PAVING AND SITE IMPROVEMENTS	LS			(3,230)
ELECTRICAL UTILITIES	LS			(3,930)
MECHANICAL UTILITIES	LS			(1,660)
SPECIAL FOUNDATION FEATURES	LS			(3,130)
ENVIRONMENTAL MITIGATION	LS			(190)
ANTI-TERRORISM/FORCE PROTECTION	LS			(810)
SITE PREPARATIONS	LS			(2,900)
DEMOLITION	LS			(1,710)
LEED COMPLIANCE - SITE	LS			(120)
SUBTOTAL				78,500
CONTINGENCY (5%)				3,930

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Intel Bn Maintenance/Operations Complex	
5. Program Element 0206496M	6. Category Code 14365	7. Project Number P1034	8. Project Cost (\$000) 90,270	
TOTAL CONTRACT COST				82,430
SIOH (5.7%)				4,700
SUBTOTAL				87,130
DESIGN/BUILD - DESIGN COST				3,140
TOTAL REQUEST ROUNDED				90,270
TOTAL REQUEST				90,270
EQUIPMENT FROM OTHER				(5,100)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Construct a low-rise Maintenance and Operations Complex with interior and exterior concrete masonry unit (CMU) walls on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, and standing seam metal roof. Building includes battalion and company level operations center spaces, watch room with video-teleconference capability on raised access computer flooring, antenna farm, secure storage, non-secure entry quarterdeck, secure operations spaces constructed as a sensitive compartmented information facility, and an exterior covered canopy for secure parking of vehicles next to the SCIF inside a fenced compound. Construct a single story supply warehouse and motor vehicle maintenance facility with interior and exterior CMU walls on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, and standing seam metal roof. Building includes secure and non-secure storage spaces, maintenance areas and ancillary office spaces. Built-in equipment includes: Americans with Disabilities Act compliant passenger/freight elevator, uninterruptible power supply for the SCIF, fire pump with generator backup, building emergency generator, and energy management control system, overhead crane, vehicle exhaust system, and waste oil storage tank. Electrical systems include: power, lighting, lightning protection, and fire alarm. Mechanical systems include: plumbing, fire protection, and heating, ventilation, and air conditioning. Information systems include telephone, data, local area network, voice and data communication, secure information systems, and mass notification. This project will require Next Generation Intranet support.</p> <p>Supporting facilities include: site lighting, washrack/apron, paved parking and roadways, sidewalks, miscellaneous concrete pads, staging and drying area for field equipment, oil/water separator, stormwater management system, clearing and grubbing, earthwork, access roads, intersection improvements, landscaping, security fencing and gates, as well as building</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Intel Bn Maintenance/Operations Complex	
5. Program Element 0206496M	6. Category Code 14365	7. Project Number P1034	8. Project Cost (\$000) 90,270	
<p>and roadway signage.</p> <p>Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, stormwater management, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>This project will provide Anti-Terrorism (AT) features and comply with AT regulations, physical security and progressive collapse mitigation in accordance with DOD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. Facilities to meet LEEDS ratings and comply with Energy Policy Act of 2005. Low Impact Development will be included in the design and construction of this project.</p> <p>The project will include demolition of the following buildings: H75, H78, H84, 37, FC300, 322, and 455. The total square footage to be demolished is 61,880 square feet / 5758 square meters.</p> <p>This project includes operations and maintenance support information, environmental mitigation, and Geospatial Data Survey and Mapping.</p>				
11. Requirement: <u>18,642 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: This project constructs a maintenance and operations complex for the Second Intelligence Battalion (2D Intel BN) aboard Marine Corps Base Camp Lejeune, North Carolina. This project will consolidate personnel and operations of the 2nd Intel BN at the North Wallace Creek Area in a single complex adjacent to other relocated Second Marine Expeditionary Force (IIMEF) Headquarters Group (IIMHG) units. The North Wallace Creek Master Plan locates the 2nd Intel BN immediately adjacent to the 2nd Radio BN, where the two units may work with each other to support IIMEF operations.				
(Current Mission) REQUIREMENT: An adequately powered, secure facility is required to accommodate all aspects of intelligence support operations for the commanding general, staff, and major subordinate commands of II MEF as well as command, control and systems support administration of 2nd Intel BN. A singular facility that is properly configured for the demands of digital information storage, processing and dissemination through all levels of classification is				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Intel Bn Maintenance/Operations Complex	
5. Program Element 0206496M	6. Category Code 14365	7. Project Number P1034	8. Project Cost (\$000) 90,270	
<p>required. A suitable facility will incorporate administrative offices for proper management of a battalion sized unit, work spaces for digital imagery analysis, topographic analysis, intelligence fusion, counter-intelligence and interrogator training and management, and support facilities for the systems support of digital equipment and deployable digital intelligence systems.</p> <p>CURRENT SITUATION:</p> <p>In order to accomplish its mission, 2nd Intel BN must collect, analyze, and fuse multiple sources of information into accurate intelligence products that the warfighter, his staff and subordinate commands can use to plan and execute operational missions. The ability to quickly produce and disseminate intelligence is adversely affected by the current situation in which elements of 2d Intel BN are housed in several buildings on Marine Corps Base Camp Lejeune (H75, H78, H84, 37, FC300, 322 and 445) and Marine Corps Air Station Cherry Point (1790). This physical separation negatively impacts the timely and comprehensive integration of multiple sources of information into finished intelligence.</p> <p>Although technological advances allow transfer of large data files over secure lines, remote communications are not as efficient as the daily, face-to-face, analytical exchange required for 2nd Intel BN to perform its mission. 2nd Intel BN provides the core Intelligence systems to II MEF. These systems include the Tactical Exploitation Group, MEF Intelligence Analysis System, JWICS Mobile Intelligence Communications System, Tactical Remote Receive System, and the Joint Surveillance Target Acquisition Radar System. 2nd Intel BN also provides several core services to the IIMEF in garrison. These functions include providing and maintaining four imagery product libraries, five intelligence operations servers, and maintaining the modern integrated database. These systems are designed and fielded to operate within a single, integrated environment. This integrated environment is necessary for the production of a truly fused intelligence product. The finished intelligence products provided to mission commanders and their planning staffs must reflect the experience and expertise of intelligence analysts, imagery interpreters, topographic (geospatial) analysts and counterintelligence specialists. At the present time, these Marines and the intelligence systems they use, are separated by up to 47 miles.</p> <p>The battalion Commander's ability to exercise command and control over the battalion, and conduct proficiency training and cross-training is unnecessarily complicated by the geographic separation of subordinate units. Since the Imagery Interpretation Platoon is located at MCAS Cherry Point,</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Intel Bn Maintenance/Operations Complex	
5. Program Element 0206496M	6. Category Code 14365	7. Project Number P1034	8. Project Cost (\$000) 90,270	
<p>2nd Intel BN is forced to look to other units (in this case MWHS-2) to provide administrative support for the IIMEF Marines. The logistical requirements of gathering all the Marines of the BN in one place hinders BN formations, reduces unit cohesion, and the BN Commander's influence.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If not provided, 2nd Intel BN will be forced to operate from inadequate facilities that do not provide optimal support in meeting critical mission requirements. Operations will remain separated among multiple facilities and diminish the effective transfer of information and intelligence between originators and users. Organizational equipment storage and electronics maintenance will continue to be conducted in inadequately configured, geographically separated facilities. Marines will continue to operate sensitive, expensive equipment in facilities that are not climate controlled and electronic communication equipment will deteriorate and require replacement. Operating under current conditions adversely impacts unit cohesion and morale.</p> <p>Without consolidating 2nd Intel BN's functions at North Wallace Creek with other IIMHG units, other basewide planning and redevelopment initiatives cannot be met, compromising long-term capacity for growth, and adversely impacting both land and facility usage aboard the Base.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				03/2010
(C) Date design completed				08/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,500
(B) All other design costs				\$500
(C) Total				\$2,000
(D) Contract				\$1,800
(E) In-house				\$200
4. Contract award:				01/2011

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Intel Bn Maintenance/Operations Complex	
5. Program Element 0206496M	6. Category Code 14365	7. Project Number P1034	8. Project Cost (\$000) 90,270	
5. Construction start:		03/2011		
6. Construction complete:		03/2013		
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
CCTV		PMC	2012	150
Collateral Equipment - Furnishings		O&MMC	2012	2,500
Electronic Access Control System		PMC	2012	250
Intrusion Detection System (IDS)		PMC	2012	200
NGEN Support		O&MMC	2012	1,500
Video Teleconference Support Equipment		PMC	2012	500
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: William Brant		Phone No: (910) 451-7581		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Maintenance/Ops Complex - 2nd ANGLICO	
5. Program Element 0216496M	6. Category Code 61073	7. Project Number P1240	8. Project Cost (\$000) 36,100	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MAINTENANCE/OPS COMPLEX - 2ND ANGLICO (57,479 SF)	m2	5,340		19,020
TACTICAL VEHICLE MAINT SHOP (9,741 SF)	m2	905	2,809.26	(2,540)
APPLIED INSTRUCTION FACILITY (5,856 SF)	m2	544	3,147.47	(1,710)
HAZMAT STORAGE SHELTER (1,001 SF)	m2	93	1,671.63	(160)
ELEC/COMM MAINT (4,036 SF)	m2	375	2,232.78	(840)
GENERAL PURPOSE WAREHOUSE (8,310 SF)	m2	772	1,778.04	(1,370)
COMPANY/BN HEADQUARTERS (16,576 SF)	m2	1,540	3,461.77	(5,330)
COMMUNICATIONS ANALYSIS FACILITY (11,959 SF)	m2	1,111	3,121.04	(3,470)
BUILT-IN EQUIPMENT	LS			(1,450)
SPECIAL COSTS	LS			(200)
ANTI-TERRORISM/FORCE PROTECTION	LS			(330)
INFORMATION SYSTEMS	LS			(540)
LEED AND EPACT 2005 COMPLIANCE	LS			(850)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(230)
SUPPORTING FACILITIES				12,370
PAVING AND SITE IMPROVEMENTS	LS			(3,230)
LEED COMPLIANCE - SITE	LS			(120)
ELECTRICAL UTILITIES	LS			(3,570)
MECHANICAL UTILITIES	LS			(1,610)
SPECIAL FOUNDATION FEATURES	LS			(1,490)
ENVIRONMENTAL MITIGATION	LS			(190)
SITE PREPARATIONS	LS			(1,670)
ANTI-TERRORISM/FORCE PROTECTION	LS			(490)
SUBTOTAL				31,390
CONTINGENCY (5%)				1,570

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Maintenance/Ops Complex - 2nd ANGLICO	
5. Program Element 0216496M	6. Category Code 61073	7. Project Number P1240	8. Project Cost (\$000) 36,100	
TOTAL CONTRACT COST				32,960
SIOH (5.7%)				1,880
SUBTOTAL				34,840
DESIGN/BUILD - DESIGN COST				1,260
TOTAL REQUEST ROUNDED				36,100
TOTAL REQUEST				36,100
EQUIPMENT FROM OTHER				(1,975)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Construct several multi-story maintenance & operations facilities with interior and exterior concrete masonry unit walls on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, and standing seam metal roofs. Built-in equipment includes: five ton bridge crane, ten ton hydraulic lifts, petroleum, oil and lubricant distribution system, uninterruptible power supply system, fire pump with generator backup, spectrally selective window glazing, and energy monitoring and control system. Electrical systems include: power, lighting, and fire alarm. Mechanical systems include: plumbing, fire protection, and HVAC. Information systems include telephone, data, local area network, voice and data communication, secure information systems, and mass notification. This project will require two hundred NGEN Support.</p> <p>Supporting facilities include: site lighting, paved parking and roadways, sidewalks, miscellaneous concrete pads, stormwater management system, clearing and grubbing, earthwork, access roads, landscaping, intersection improvements, and building and roadway signage.</p> <p>Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, natural gas, stormwater management, steam, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>This project includes operations and maintenance support information, environmental mitigation, and Geospatial Data Survey and Mapping.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Maintenance/Ops Complex - 2nd ANGLICO	
5. Program Element 0216496M	6. Category Code 61073	7. Project Number P1240	8. Project Cost (\$000) 36,100	
<p>11. Requirement: <u>5,290 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT:</p> <p>Construct an entire maintenance and operations complex for 2nd Air and Naval Gunfire Liaison Company (ANGLICO), of the II Marine Expeditionary Force (MEF) Headquarters Group (MHG). This project will provide administrative, training, maintenance and communication space as well as supply storage for all the required equipment necessary for their mission.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>This project will provide adequate and efficiently configured facilities to support the routine maintenance and operations of 2nd ANGLICO and its assets aboard Marine Corps Base Camp Lejeune.</p> <p>This company has a requirement to operate, stow and maintain several types of gear including transport vehicles and necessary communication equipment. Their mission requires their equipment be in working condition in order to set up and maintain forward observation posts and call in necessary artillery/close-air support for battle. This unit needs adequate facilities to maintain and train on such equipment in order to remain ready for deployment.</p> <p>CURRENT SITUATION:</p> <p>Military units associated with Grow the Force began arriving in fiscal year 2007, and occupy/utilize interim facilities that consist mostly of trailers, pre-engineered buildings, and portable armories. Due to the quick turnaround time required to site and execute construction of the interim facilities, the majority of the structures were co-located with existing permanent facilities in an effort to have minimal impact on the environment. That strategy, along with Anti-Terrorism Force Protection requirements, resulted in facilities that have not optimized size or layout respective to unit cohesion.</p> <p>ANGLICO is currently operating out of facilities that are inadequate for their day to day mission.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Failure to provide these essential facilities and supporting infrastructure will result in a shortage of adequately trained Marines and impose an adverse impact on a new unit's ability to reach full operational capability.</p>				
<p>12. Supplemental Data:</p> <p>A. Estimated Design Data:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010																												
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Maintenance/Ops Complex - 2nd ANGLICO																													
5. Program Element 0216496M	6. Category Code 61073	7. Project Number P1240	8. Project Cost (\$000) 36,100																													
<p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started 08/2009</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete 01/2010</p> <p>(C) Date design completed 05/2010</p> <p>(D) Percent completed as of September 2009 10%</p> <p>(E) Percent completed as of January 2010 35%</p> <p>(F) Type of design contract Design Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy Study/Life Cycle Analysis performed No</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design No</p> <p>(B) Where design was previously used</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications \$600</p> <p>(B) All other design costs \$300</p> <p>(C) Total \$900</p> <p>(D) Contract \$800</p> <p>(E) In-house \$100</p> <p>4. Contract award: 01/2011</p> <p>5. Construction start: 03/2011</p> <p>6. Construction complete: 01/2013</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>CCTV</td> <td>PMC</td> <td>2012</td> <td>125</td> </tr> <tr> <td>Collateral Equipment - Furnishings</td> <td>O&MMC</td> <td>2012</td> <td>750</td> </tr> <tr> <td>Intrusion Detection System</td> <td>PMC</td> <td>2012</td> <td>250</td> </tr> <tr> <td>NGEN Support</td> <td>O&MMC</td> <td>2012</td> <td>600</td> </tr> <tr> <td>Video Teleconference Support Equip.</td> <td>O&MMC</td> <td>2012</td> <td>250</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p> <p>Activity POC: William Brant Phone No: (910) 451-7581</p>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	CCTV	PMC	2012	125	Collateral Equipment - Furnishings	O&MMC	2012	750	Intrusion Detection System	PMC	2012	250	NGEN Support	O&MMC	2012	600	Video Teleconference Support Equip.	O&MMC	2012	250
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																														
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>																													
CCTV	PMC	2012	125																													
Collateral Equipment - Furnishings	O&MMC	2012	750																													
Intrusion Detection System	PMC	2012	250																													
NGEN Support	O&MMC	2012	600																													
Video Teleconference Support Equip.	O&MMC	2012	250																													

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title EOD Addition - 2nd Marine Logistics Group	
5. Program Element 0216496M	6. Category Code 14320	7. Project Number P1246	8. Project Cost (\$000) 7,420	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
EOD ADDITION - 2ND MARINE LOGISTICS GROUP (16,038 SF)	m2	1,490		4,030
ADDITION TO FC292 (16,038 SF)	m2	1,490	2,344.59	(3,490)
LEED AND EPACT 2005 COMPLIANCE	LS			(160)
INFORMATION SYSTEMS	LS			(60)
ANTI-TERRORISM/FORCE PROTECTION	LS			(40)
SPECIAL COSTS	LS			(80)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(60)
BUILT-IN EQUIPMENT	LS			(140)
SUPPORTING FACILITIES				2,660
SPECIAL FOUNDATION FEATURES	LS			(360)
ELECTRICAL UTILITIES	LS			(520)
MECHANICAL UTILITIES	LS			(330)
ANTI-TERRORISM/FORCE PROTECTION	LS			(30)
LEED COMPLIANCE - SITE	LS			(50)
PAVING AND SITE IMPROVEMENTS	LS			(920)
SITE PREPARATIONS	LS			(450)
SUBTOTAL				6,690
CONTINGENCY (5%)				330
TOTAL CONTRACT COST				7,020
SIOH (5.7%)				400
SUBTOTAL				7,420
TOTAL REQUEST ROUNDED				7,420
TOTAL REQUEST				7,420
10. Description of Proposed Construction:				
Construct a single story Explosive Ordnance Disposal (EOD) Team Operations and Training Facility addition to Building FC292 with interior and exterior concrete masonry unit walls on pile foundations, with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, and standing seam metal roof. Built-in equipment includes Energy Management Control Systems. Electrical systems include: power, lighting, and fire alarm.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title EOD Addition - 2nd Marine Logistics Group	
5. Program Element 0216496M	6. Category Code 14320	7. Project Number P1246	8. Project Cost (\$000) 7,420	
<p>Mechanical systems include: plumbing, fire protection, natural gas, and HVAC. Information systems include telephone, data, local area network, voice and data communication, and mass notification. This project will require NGEN support.</p> <p>Supporting facilities include: site lighting, paved parking and roadways, sidewalks, miscellaneous concrete pads, stormwater management system, clearing and grubbing, earthwork, access roads, landscaping, and building and roadway signage.</p> <p>Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, stormwater management, steam, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project. Low Impact Development will be included in the design and construction of this project.</p> <p>This project includes operation and maintenance support information, environmental mitigation, and Geospatial Data Survey and Mapping.</p>				
11. Requirement: <u>4,020 m2</u> Adequate: <u>3,216 m2</u> Substandard: <u>0 m2</u>				
PROJECT: Project will expand the EOD Operations and Training Facility for both administrative and training functions, as well as providing exterior equipment storage and a vehicle storage compound at the approved site to keep pace with current and future EOD mission needs. (New Mission)				
REQUIREMENT: An EOD Team Operations and Training Facility addition is required to accommodate the increase in personnel and equipment due to the Grow the Force initiative.				
CURRENT SITUATION: The existing EOD building, FC292, has a confined exterior storage compound that does not provide adequate storage areas for the miscellaneous types of EOD support vehicles, bulk storage, and field equipment. There is also inadequate privately owned vehicle parking for EOD personnel.				
IMPACT IF NOT PROVIDED:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title EOD Addition - 2nd Marine Logistics Group	
5. Program Element 0216496M	6. Category Code 14320	7. Project Number P1246	8. Project Cost (\$000) 7,420	
Without adequate utilities and facilities, Marines experience degradation of unit cohesion and retention, along with the inability to maintain equipment, perform operations, and train personnel, ultimately compromising combat readiness. Failure of the Base to provide this project will jeopardize the ability to train the Marines.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$400
(B) All other design costs				\$100
(C) Total				\$500
(D) Contract				\$0
(E) In-house				\$500
4. Contract award:				01/2011
5. Construction start:				02/2011
6. Construction complete:				02/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: William Brant			Phone No: 910-451-7581	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title EOD Addition - 2nd Marine Logistics Group	
5. Program Element 0216496M	6. Category Code 14320	7. Project Number P1246	8. Project Cost (\$000) 7,420	
<p>Blank Page</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Wallace Creek North	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1249	8. Project Cost (\$000) 46,290	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BEQ - WALLACE CREEK NORTH (137,983 SF)	m2	12,819		33,370
BEQ 2 (67,791 SF)	m2	6,298	2,251.45	(14,180)
BEQ 1 (67,791 SF)	m2	6,298	2,251.45	(14,180)
RECREATION SHELTER (807 SF)	m2	75	737.58	(60)
PERSONAL EQUIPMENT CLEANING STATION (1,593 SF)	m2	148	1,339.28	(200)
INFORMATION SYSTEMS	LS			(180)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,860)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(450)
SPECIAL COSTS	LS			(440)
BUILT-IN EQUIPMENT	LS			(1,070)
ANTI-TERRORISM/FORCE PROTECTION	LS			(750)
SUPPORTING FACILITIES				6,890
MECHANICAL UTILITIES	LS			(1,490)
SITE PREPARATIONS	LS			(1,290)
ENVIRONMENTAL MITIGATION	LS			(60)
PAVING AND SITE IMPROVEMENTS	LS			(1,130)
SPECIAL FOUNDATION FEATURES	LS			(1,660)
ELECTRICAL UTILITIES	LS			(1,180)
LEED COMPLIANCE	LS			(80)
SUBTOTAL				40,260
CONTINGENCY (5%)				2,010
TOTAL CONTRACT COST				42,270
SIOH (5.7%)				2,410
SUBTOTAL				44,680
DESIGN/BUILD - DESIGN COST				1,610
TOTAL REQUEST ROUNDED				46,290
TOTAL REQUEST				46,290
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,373)
10. Description of Proposed Construction:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Wallace Creek North	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1249	8. Project Cost (\$000) 46,290	
<p>This project helps support the billeting requirement for the additional 5,000+ enlisted Marines assigned to Camp Lejeune, as a result of the end strength increases.</p> <p>CURRENT SITUATION:</p> <p>Camp Lejeune currently has a manspace deficiency in billeting for enlisted personnel. Military units associated with Grow the Force began arriving in Fiscal Year 07.</p> <p>In addition to the manspace deficiency, some existing barracks require periodic renovations. In order to accomplish these renovations, personnel must vacate the BEQs for months at a time, thus producing additional housing shortages. Assigning Marines of the same small unit into rooms in one location cannot be accomplished, and resulting in dispersal among units. Therefore, cohesion below the battalion level cannot be achieved.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Failure to provide these essential facilities and supporting infrastructure will result in a shortage of adequately billeted Marines. Without adequate essential billeting space, Marines experience degradation of unit cohesion, ultimately compromising combat readiness. Quality of life for Marines will continue to decline. Morale, retention, and "esprit de corps" will be greatly reduced. Existing BEQ facilities will continue to be heavily used with little or no down time for scheduled/cyclic maintenance.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$300
(C) Total				\$900
(D) Contract				\$300
(E) In-house				\$600

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(IA) MARINE CORPS BASE CAMP LEJEUNE (COURTHOUSE BAY) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Courthouse Bay	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1251	8. Project Cost (\$000) 42,330	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BEQ - COURTHOUSE BAY (103,581 SF)	m2	9,623		26,000
PERSONNEL EQUIPMENT CLEANING STATION (1,593 SF)	m2	148	1,013.51	(150)
BEQ 1 (50,590 SF)	m2	4,700	2,331.13	(10,960)
RECREATIONAL SHELTER (807 SF)	m2	75	546.76	(40)
BEQ 2 (50,590 SF)	m2	4,700	2,331.13	(10,960)
ANTI-TERRORISM/FORCE PROTECTION	LS			(580)
BUILT-IN EQUIPMENT	LS			(1,040)
INFORMATION SYSTEMS	LS			(130)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(350)
SPECIAL COSTS	LS			(400)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,390)
SUPPORTING FACILITIES				10,820
ENVIRONMENTAL MITIGATION	LS			(190)
LEED COMPLIANCE	LS			(60)
SITE PREPARATIONS	LS			(1,300)
MECHANICAL UTILITIES	LS			(2,370)
PAVING AND SITE IMPROVEMENTS	LS			(1,930)
SPECIAL FOUNDATION FEATURES	LS			(1,140)
AAV TRAIL UPGRADE	LS			(1,760)
ANTI-TERRORISM/FORCE PROTECTION	LS			(240)
ELECTRICAL UTILITIES	LS			(1,830)
SUBTOTAL				36,820
CONTINGENCY (5%)				1,840
TOTAL CONTRACT COST				38,660
SIOH (5.7%)				2,200
SUBTOTAL				40,860
DESIGN/BUILD - DESIGN COST				1,470
TOTAL REQUEST ROUNDED				42,330
TOTAL REQUEST				42,330
EQUIPMENT FROM OTHER				(1,250)

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(IA) MARINE CORPS BASE CAMP LEJEUNE (COURTHOUSE BAY) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Courthouse Bay	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1251	8. Project Cost (\$000) 42,330	
<p>proximity of the BEQs at Courthouse Bay. This upgrade will mitigate a dust problem caused by the AAV training.</p> <p>CURRENT SITUATION:</p> <p>Camp Lejeune currently has a total manspace deficiency in billeting enlisted personnel. Military units associated with Grow the Force began arriving in Fiscal Year 07.</p> <p>In addition to the manspace deficiency, some existing barracks require periodic renovations. In order to accomplish these renovations, personnel must vacate the BEQs for months at a time, thus producing additional overcrowded conditions. Assigning Marines of the same small unit into rooms in one location cannot be accomplished, resulting in dispersal among units. Therefore, cohesion below the battalion level cannot be achieved.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Failure to provide these essential facilities and supporting infrastructure will result in a shortage of adequately billeted Marines. Without adequate essential billeting space, Marines experience degradation of unit cohesion, ultimately compromising combat readiness. Existing BEQ facilities will continue to be heavily used with little or no down time for scheduled/cyclic maintenance.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$300
(C) Total				\$900
(D) Contract				\$300
(E) In-house				\$600
4. Contract award:				01/2011
5. Construction start:				03/2011

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(IA) MARINE CORPS BASE CAMP LEJEUNE (COURTHOUSE BAY) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Courthouse Bay	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1251	8. Project Cost (\$000) 42,330	
6. Construction complete:				03/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u> <u>FY Approp</u>		
<u>Nomenclature</u>		<u>Approp</u> <u>or Requested</u> <u>Cost (\$000)</u>		
Collateral Equipment (Various)		O&MMC	2012	1,250
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: William Brant			Phone No: (910) 451-7581	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(IA) MARINE CORPS BASE CAMP LEJEUNE (COURTHOUSE BAY) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Courthouse Bay	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1254	8. Project Cost (\$000) 40,780	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BEQ - COURTHOUSE BAY (103,581 SF)	m2	9,623		26,370
PERSONAL CLEANING SHELTER (1,593 SF)	m2	148	1,339.28	(200)
BEQ 2 (50,590 SF)	m2	4,700	2,309.41	(10,850)
RECREATION SHELTER (807 SF)	m2	75	737.58	(60)
BEQ 1 (50,590 SF)	m2	4,700	2,309.41	(10,850)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,390)
ANTI-TERRORISM/FORCE PROTECTION	LS			(960)
BUILT-IN EQUIPMENT	LS			(1,050)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(580)
SPECIAL COSTS	LS			(430)
SUPPORTING FACILITIES				9,100
ELECTRICAL UTILITIES	LS			(1,750)
SITE PREPARATIONS	LS			(1,440)
PAVING AND SITE IMPROVEMENTS	LS			(1,960)
SPECIAL FOUNDATION FEATURES	LS			(1,280)
MECHANICAL UTILITIES	LS			(2,450)
ANTI-TERRORISM/FORCE PROTECTION	LS			(120)
LEED COMPLIANCE	LS			(40)
ENVIRONMENTAL MITIGATION	LS			(60)
SUBTOTAL				35,470
CONTINGENCY (5%)				1,770
TOTAL CONTRACT COST				37,240
SIOH (5.7%)				2,120
SUBTOTAL				39,360
DESIGN/BUILD - DESIGN COST				1,420
TOTAL REQUEST ROUNDED				40,780
TOTAL REQUEST				40,780
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,250)
10. Description of Proposed Construction:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(IA) MARINE CORPS BASE CAMP LEJEUNE (COURTHOUSE BAY) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Courthouse Bay	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1254	8. Project Cost (\$000) 40,780	
REQUIREMENT: This project helps support the additional billeting requirement for the additional 5,000+ enlisted Marines assigned to Camp Lejeune, as a result of the end strength increases.				
CURRENT SITUATION: Camp Lejeune currently has a manspace deficiency. Military units associated with Grow the Force began arriving in Fiscal Year 07. In addition to the manspace deficiency, some existing barracks require periodic renovations. In order to accomplish these renovations, personnel must vacate the BEQs for months at a time, thus producing additional overcrowded conditions. Assigning Marines of the same small unit into rooms in one location cannot be accomplished, resulting in dispersal among units. Therefore, cohesion below the battalion level cannot be achieved.				
IMPACT IF NOT PROVIDED: Failure to provide these essential facilities and supporting infrastructure will result in a shortage of adequately billeted Marines. Without adequate essential billeting space, Marines experience degradation of unit cohesion, ultimately compromising combat readiness. Existing BEQ facilities will continue to be heavily used with little or no down time for scheduled/cyclic maintenance.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				15%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$300
(C) Total				\$900
(D) Contract				\$800
(E) In-house				\$100
4. Contract award:				01/2011

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(IA) MARINE CORPS BASE CAMP LEJEUNE (COURTHOUSE BAY) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Courthouse Bay	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1254	8. Project Cost (\$000) 40,780	
5. Construction start:		03/2011		
6. Construction complete:		03/2013		
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u> <u>FY Approp</u>		
<u>Nomenclature</u>		<u>Approp</u> <u>or Requested</u> <u>Cost (\$000)</u>		
Collateral Equipment (Various)		O&MMC	2011	1,250
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: William Brant		Phone No: (910) 451-7581		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(IA) MARINE CORPS BASE CAMP LEJEUNE (COURTHOUSE BAY) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Mess Hall Addition - Courthouse Bay	
5. Program Element 0216496M	6. Category Code 72210	7. Project Number P1256	8. Project Cost (\$000) 2,553	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MESS HALL ADDITION - COURTHOUSE BAY (2,142 SF)	m2	199		1,300
DINING FACILITY ADDITION (2,142 SF)	m2	199	5,593.46	(1,110)
ANTI-TERRORISM/FORCE PROTECTION	LS			(90)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(20)
SPECIAL COSTS	LS			(30)
BUILT-IN EQUIPMENT	LS			(10)
INFORMATION SYSTEMS	LS			(10)
LEED AND EPACT 2005 COMPLIANCE	LS			(30)
SUPPORTING FACILITIES				920
PAVING AND SITE IMPROVEMENTS	LS			(640)
ELECTRICAL UTILITIES	LS			(70)
SITE PREPARATIONS	LS			(30)
MECHANICAL UTILITIES	LS			(100)
ANTI-TERRORISM/FORCE PROTECTION	LS			(30)
SPECIAL FOUNDATION FEATURES	LS			(50)
SUBTOTAL				2,220
CONTINGENCY (5%)				110
TOTAL CONTRACT COST				2,330
SIOH (5.7%)				130
SUBTOTAL				2,460
DESIGN/BUILD - DESIGN COST				90
TOTAL REQUEST ROUNDED				2,550
TOTAL REQUEST				2,553
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(92)
10. Description of Proposed Construction:				
Construct a single-story concrete masonry unit addition to the existing Mess Hall at Courthouse Bay with interior and exterior concrete masonry unit walls on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors,				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(IA) MARINE CORPS BASE CAMP LEJEUNE (COURTHOUSE BAY) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Mess Hall Addition - Courthouse Bay	
5. Program Element 0216496M	6. Category Code 72210	7. Project Number P1256	8. Project Cost (\$000) 2,553	
<p>sound attenuation features, and standing seam metal roof. Built-in equipment includes: fire pump with generator backup, spectrally selective window glazing, and an energy management control system. Electrical systems include: power, lighting, and fire alarm. Mechanical systems include: plumbing, fire protection, and HVAC. Information systems include telephone, data, local area network, voice and data communication, and mass notification.</p> <p>Supporting facilities include: site lighting, paved parking and roadways, sidewalks, miscellaneous concrete pads, stormwater management system, clearing and grubbing, earthwork, landscaping, fill, grading, and building and roadway signage.</p> <p>Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, stormwater management, steam, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection (ATFP) standards and follow LEED, low impact development and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>This project includes operation and maintenance support information, environmental mitigation, and Geospatial Data Survey and Mapping.</p>				
<p>11. Requirement: <u>199 m2</u> Adequate: Substandard:</p> <p>PROJECT:</p> <p>Construct an addition to the enlisted dining facility (building BB125) in order to provide cafeteria-style dining for regular meals, short-order meals, and fast food service to support approximately 2200 permanent party and student Marines assigned to Marine units and Marine Corps Engineering School at Courthouse Bay.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Adequate Mess Halls are required for Marines and sailors assigned to Courthouse Bay Area of Marine Corps Base Camp Lejeune. This project will provide a modernized consolidated messing facility to accommodate the organizational structure of Marine Corps and Navy personnel.</p> <p>CURRENT SITUATION:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(IA) MARINE CORPS BASE CAMP LEJEUNE (COURTHOUSE BAY) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Mess Hall Addition - Courthouse Bay	
5. Program Element 0216496M	6. Category Code 72210	7. Project Number P1256	8. Project Cost (\$000) 2,553	
<p>The existing mess hall at Courthouse Bay will not support the increased personnel loading for the area. Military units associated with Grow the Force began arriving in fiscal year 2007.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Marines working and living in the Courthouse Bay Area will continue to utilize inadequate messhalls, negatively impacting mission and combat readiness, and their Quality of Life.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$300
(C) Total				\$900
(D) Contract				\$300
(E) In-house				\$600
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				01/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment	O&MMC	2012		92
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(IA) MARINE CORPS BASE CAMP LEJEUNE (COURTHOUSE BAY) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Mess Hall Addition - Courthouse Bay	
5. Program Element 0216496M	6. Category Code 72210	7. Project Number P1256	8. Project Cost (\$000) 2,553	
<p>Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p>				
Activity POC: William Brant			Phone No: 910-451-5812	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Utility Expansion - Hadnot Point	
5. Program Element 0216496M	6. Category Code 93220	7. Project Number P1264	8. Project Cost (\$000) 56,470	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UTILITY EXPANSION - HADNOT POINT	LS			34,490
VEHICULAR BRIDGE	EA	1	6,433,883.3	(6,430)
ENVIRONMENTAL MITIGATION	EA	1	5,380,761	(5,380)
WASTE WATER PUMPING STATIONS, NEW	EA	1	2,317,922.82	(2,320)
SANITARY SEWER LINE (10,827 LF)	m	3,300	573.09	(1,890)
WATER TRANSMISSION SYSTEM EXPANSION	GA	400,000	1.97	(790)
ROAD NETWORK (13,123 LF)	m	4,000	1,549.58	(6,200)
ELECTRICAL DISTRIBUTION (18,373 LF)	m	5,600	907.13	(5,080)
UG STEAM DISTRIBUTION (5,249 LF)	m	1,600	3,061.96	(4,900)
BUILT-IN EQUIPMENT	LS			(530)
ANTI-TERRORISM/FORCE PROTECTION	LS			(230)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(110)
SPECIAL COSTS	LS			(630)
SUPPORTING FACILITIES				16,390
LEED COMPLIANCE - SITE	LS			(390)
ELECTRICAL UTILITIES	LS			(6,450)
MECHANICAL UTILITIES	LS			(6,830)
SPECIAL FOUNDATION FEATURES	LS			(80)
ANTI-TERRORISM/FORCE PROTECTION	LS			(230)
PAVING AND SITE IMPROVEMENTS	LS			(1,360)
SITE PREPARATIONS	LS			(1,050)
SUBTOTAL				50,880
CONTINGENCY (5%)				2,540
TOTAL CONTRACT COST				53,420
SIOH (5.7%)				3,040
SUBTOTAL				56,460
TOTAL REQUEST ROUNDED				56,460

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Utility Expansion - Hadnot Point	
5. Program Element 0216496M	6. Category Code 93220	7. Project Number P1264	8. Project Cost (\$000) 56,470	
TOTAL REQUEST				56,470
10. Description of Proposed Construction:				
<p>Expand and upgrade the water, sanitary sewer, steam, electrical, telephone, communication systems, and roadway networks. Expansion of the water system includes construction of one new elevated storage tank and appurtenances and upgrading raw water main. Upgrades to the sanitary sewer system includes upgrade of gravity sewer and force mains, connection of two existing force mains near building 24 to the Parachute Tower Road pump station, construction of one pump station and upgrade of two pump stations. Upgrades to the steam system include installing new steam boilers at the Paradise Point steam plant and construction of underground steam lines. Electrical system upgrades include expansion and relocation of overhead transmission and primary distribution lines. Expansion of the communication systems includes main distribution communication lines. Road improvements consist of bridge construction, turn lane construction, and intersection modifications at various locations. The work will include clearing, grubbing, earthwork, fill and grading. Mitigation of wetlands and remediation of unexploded ordnance at impacted closed ranges will be required.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED, low impact development and Federal Energy Acts compliance criteria for design, development, and construction of the project. This project includes operation and maintenance support information, and environmental mitigation.</p>				
11. Requirement:				
<p>Adequate:</p> <p>Substandard:</p> <p>PROJECT:</p> <p>Expansion and upgrades of water, sewer, electric, steam, communication systems, and roadways in support of Marine Corps Grow the Force initiative. (New Mission)</p> <p>REQUIREMENT:</p> <p>The Camp Lejeune Complex currently has limited available large development parcels due to training range fans, wetlands, environmental contamination, and endangered species. This project will provide accessible utilities to support both redevelopment and initial development within the Hadnot Point area in support of the Grow the Force Initiative.</p> <p>CURRENT SITUATION:</p> <p>Military units associated with Grow the Force began arriving in Fiscal Year 07, and occupy/utilize interim facilities that consist mostly of trailers, pre-engineered buildings, and portable armories. These Marines are</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Utility Expansion - Hadnot Point	
5. Program Element 0216496M	6. Category Code 93220	7. Project Number P1264	8. Project Cost (\$000) 56,470	
<p>moving/will be moving into new facilities in the Hadnot Point area of Camp Lejeune as well as other under-developed areas on base. These new facilities require more utilities (electrical, steam, comm, water, sewer and roadways) than what is there presently.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>MCB Camp Lejeune continues to build facilities to permanently house Marines. Failure to provide these essential facilities and supporting infrastructure will impact construction projects that will support the troop increases as a result of the Grow the Force and the master plan for Hadnot Point.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$3,500
(B) All other design costs				\$2,500
(C) Total				\$6,000
(D) Contract				\$5,400
(E) In-house				\$600
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				03/2013
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Utility Expansion - Hadnot Point	
5. Program Element 0216496M	6. Category Code 93220	7. Project Number P1264	8. Project Cost (\$000) 56,470	
this installation are benefited by this project.				
Activity POC: William Brant			Phone No: 910-451-1833	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Utility Expansion - French Creek	
5. Program Element 0216496M	6. Category Code 93220	7. Project Number P1265	8. Project Cost (\$000) 56,050	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UTILITY EXPANSION - FRENCH CREEK	EA	11		33,800
WASTE WATER PUMPING STATION, NEW	EA	1	2,249,100.88	(2,250)
BRIDGE, GONZALEZ	EA	1	4,094,036	(4,090)
ENVIRONMENTAL MITIGATION	EA	1	3,577,448.7	(3,580)
ELECTRICAL SWITCH AND SUBSTATION	EA	1	2,619,068.57	(2,620)
BRIDGE, BIRCH	EA	1	4,722,431	(4,720)
WASTE WATER PUMPING STATIONS, UPGRADE	EA	3	2,402,600.84	(7,210)
BRIDGE, DUNCAN	EA	1	3,147,140	(3,150)
UG STEAM & COND. MAINS, 10"	EA	1	4,596,720	(4,600)
WATER TRANSMISSION SYSTEM EXPANSION	EA	1	788,000	(790)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(190)
BUILT-IN EQUIPMENT	LS			(60)
SPECIAL COSTS	LS			(540)
SUPPORTING FACILITIES				16,700
LEED COMPLIANCE - SITE	LS			(390)
ANTI-TERRORISM/FORCE PROTECTION	LS			(120)
ELECTRICAL UTILITIES	LS			(6,370)
PAVING AND SITE IMPROVEMENTS	LS			(2,430)
DEMOLITION	LS			(80)
MECHANICAL UTILITIES	LS			(7,310)
SUBTOTAL				50,500
CONTINGENCY (5%)				2,530
TOTAL CONTRACT COST				53,030
SIOH (5.7%)				3,020
SUBTOTAL				56,050
TOTAL REQUEST ROUNDED				56,050
TOTAL REQUEST				56,050
10. Description of Proposed Construction:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010															
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Utility Expansion - French Creek																
5. Program Element 0216496M	6. Category Code 93220	7. Project Number P1265	8. Project Cost (\$000) 56,050																
<p>Expand and upgrade the water, sanitary sewer, steam, gas, electrical, telephone and communication systems and roads where future growth will impact the existing utility systems and road networks serving the French Creek area. Expansion of the water system includes construction of an elevated storage tank and appurtenances and new transmission water mains. Upgrades to the sanitary sewer system include a force main from the French Creek area to the central wastewater treatment facility, gravity sewers and force mains serving the area, construction of a new pump station to serve the Cogdell's Creek area, replacement of three existing pump stations and upgrade to the central wastewater treatment facility headworks. Upgrades to the steam system include construction of underground steam lines to serve the Cogdell's Creek area. Expansion of the electrical system includes new overhead distribution lines from Substation 1 to Substation 2, installation and upgrade of overhead primary services, and construction of an electrical switch and substation. Expansion of the telephone and communication systems consists of new telephone and communication lines to project sites. Road improvements consist of the extension of Duncan Street, the extension of Birch Street, the extension of Gonzalas Street, construction of three bridges, and intersection improvements and signalization. The work will include clearing, grubbing, earthwork, fill and grading. Mitigation of wetlands and remediation of unexploded ordnance at impacted closed ranges will be required.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>This project will include the demolition of sewage pumping stations: SFC315, FC599, and FC199 (total 94 m2).</p>																			
<table border="0"> <tr> <td data-bbox="191 1518 492 1549">11. Requirement:</td> <td data-bbox="492 1518 917 1549">Adequate:</td> <td data-bbox="917 1518 1429 1549">Substandard:</td> </tr> <tr> <td colspan="3" data-bbox="191 1560 1429 1591">PROJECT:</td> </tr> <tr> <td colspan="3" data-bbox="191 1591 1429 1749"> <p>Expand and upgrade the water, sanitary sewer, steam, gas, electrical, telephone and communication systems and roads where future growth in support of the Marine Corps Grow the Force initiative will impact the existing utility systems and road networks serving the French Creek area.</p> <p>(New Mission)</p> </td> </tr> <tr> <td colspan="3" data-bbox="191 1780 1429 1812">REQUIREMENT:</td> </tr> <tr> <td colspan="3" data-bbox="191 1812 1429 1940"> <p>The Camp Lejeune Complex currently has limited available large development parcels due to training range fans, wetlands, environmental contamination, and endangered species. This project will provide accessible utilities to</p> </td> </tr> </table>					11. Requirement:	Adequate:	Substandard:	PROJECT:			<p>Expand and upgrade the water, sanitary sewer, steam, gas, electrical, telephone and communication systems and roads where future growth in support of the Marine Corps Grow the Force initiative will impact the existing utility systems and road networks serving the French Creek area.</p> <p>(New Mission)</p>			REQUIREMENT:			<p>The Camp Lejeune Complex currently has limited available large development parcels due to training range fans, wetlands, environmental contamination, and endangered species. This project will provide accessible utilities to</p>		
11. Requirement:	Adequate:	Substandard:																	
PROJECT:																			
<p>Expand and upgrade the water, sanitary sewer, steam, gas, electrical, telephone and communication systems and roads where future growth in support of the Marine Corps Grow the Force initiative will impact the existing utility systems and road networks serving the French Creek area.</p> <p>(New Mission)</p>																			
REQUIREMENT:																			
<p>The Camp Lejeune Complex currently has limited available large development parcels due to training range fans, wetlands, environmental contamination, and endangered species. This project will provide accessible utilities to</p>																			

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Utility Expansion - French Creek	
5. Program Element 0216496M	6. Category Code 93220	7. Project Number P1265	8. Project Cost (\$000) 56,050	
<p>the vacant parcels in and around the French Creek Area in support of the Grow the Force Initiative.</p> <p>CURRENT SITUATION:</p> <p>Military units associated with Grow the Force began arriving in Fiscal Year 07, and occupy/utilize interim facilities that consist mostly of trailers, pre-engineered buildings, and portable armories. These Marines are moving/will be moving into new facilities in the French Creek area of Camp Lejeune as well as other under developed areas on base. These new facilities require more utilities (electrical, steam, comm, water, sewer and roadways) than what is there presently.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>MCB Camp Lejeune continues to build facilities to permanently house Marines. Failure to provide these essential facilities and supporting infrastructure will impact construction projects that will support the troop increases as a result of the Grow the Force and the master plan for French Creek.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				35%
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$3,000
(B) All other design costs				\$400
(C) Total				\$3,400
(D) Contract				\$3,000
(E) In-house				\$400
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				03/2013
B. Equipment associated with this project which will be provided from other appropriations: NONE				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Mess Hall - French Creek	
5. Program Element 0216496M	6. Category Code 72210	7. Project Number P1267	8. Project Cost (\$000) 25,960	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MESS HALL - FRENCH CREEK (21,840 SF)	m2	2,029		12,720
MESSHALL (21,840 SF)	m2	2,029	4,495.69	(9,120)
SPECIAL COSTS	LS			(260)
ANTI-TERRORISM/FORCE PROTECTION	LS			(100)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(150)
BUILT-IN EQUIPMENT	LS			(2,620)
LEED AND EPACT 2005 COMPLIANCE	LS			(380)
INFORMATION SYSTEMS	LS			(90)
SUPPORTING FACILITIES				9,860
SITE PREPARATIONS	LS			(550)
ELECTRICAL UTILITIES	LS			(1,640)
ANTI-TERRORISM/FORCE PROTECTION	LS			(240)
MECHANICAL UTILITIES	LS			(840)
PAVING AND SITE IMPROVEMENTS	LS			(5,450)
SPECIAL FOUNDATION FEATURES	LS			(460)
LEED COMPLIANCE - SITE	LS			(200)
ENVIRONMENTAL MITIGATION	LS			(480)
SUBTOTAL				22,580
CONTINGENCY (5%)				1,130
TOTAL CONTRACT COST				23,710
SIOH (5.7%)				1,350
SUBTOTAL				25,060
DESIGN/BUILD - DESIGN COST				900
TOTAL REQUEST ROUNDED				25,960
TOTAL REQUEST				25,960
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,310)
10. Description of Proposed Construction:				
Construct a single-story Enlisted Dining Facility with interior and exterior concrete masonry unit walls on pile foundations with structural				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Mess Hall - French Creek	
5. Program Element 0216496M	6. Category Code 72210	7. Project Number P1267	8. Project Cost (\$000) 25,960	
<p>steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors and standing seam metal roof. This dining facility shall feature a drive-up window for food distribution, an enclosed waiting area and will be constructed as a destructive weather shelter for extreme wind events. Built-in equipment includes: fire pump with generator backup, building emergency generator, dock leveler, spectrally selective window glazing, and energy management control system. Electrical systems include: power, lighting, and fire alarm. Mechanical systems include: plumbing, fire protection, and HVAC. Information systems include telephone, data, local area network, voice and data communication, and mass notification. This project will require NGEN support.</p> <p>Supporting facilities include: site lighting, paved parking and roadways, widening of Sneads Ferry Road, pedestrian trails along Sneads Ferry Road and Lyman Road, bridging across wetlands, intersection improvements, sidewalks, miscellaneous concrete pads, stormwater management system, clearing and grubbing, earthwork, access roads, landscaping, and building and roadway signage. Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, stormwater management, steam, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED, low impact development and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>This project includes operation and maintenance support information, environmental mitigation, and Geospatial Data Survey and Mapping.</p>				
11. Requirement: <u>4,907 m2</u> Adequate: <u>3,177 m2</u> Substandard: <u>0 m2</u>				
PROJECT: This project constructs a centrally located messhall with a fast food area for the Marines and Sailors located in the French Creek Area. (Current Mission)				
REQUIREMENT: An adequate enlisted dining facility is required for Marines and sailors assigned to the French Creek Area of Marine Corps Base Camp Lejeune. Project will provide a modernized consolidated messing facility to accommodate the organizational structure of Marine Corps and Navy personnel.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Mess Hall - French Creek	
5. Program Element 0216496M	6. Category Code 72210	7. Project Number P1267	8. Project Cost (\$000) 25,960	
CURRENT SITUATION:				
<p>Marines working in the French Creek area currently subsist out of a World War II era mess hall, FC303. Due to wear and tear from prolonged use, this 60-year-old facility is rapidly deteriorating beyond economic repair. Sub-floor plumbing installed during original construction is badly in need of replacement, resulting in frequent breakage, leaks, and sanitary problems. Original plaster ceiling and interior walls have deteriorated to a point that hot moist air is entering from the attic and creating a mold problem in the cooking area. The HVAC system and electrical system need to be completely replaced. Exterior brickwork is badly cracked and in need of repair.</p> <p>In addition to the maintenance deficiencies noted above, the layout and design of the existing messhall is extremely inadequate. The bakery, salad room, storage space, dry storage room and garbage storage areas are not of sufficient size for efficient operation. State of the art equipment is available for these areas but cannot be properly employed due to space restraints, power capabilities and physical location within the messes. The office and accounting space available is not sufficient to properly manage the multitude of accounting transactions required for these facilities. Mess managers are forced to utilize a portion of the mess deck or relocate the bakery to the galley in an attempt to gain necessary accounting/record keeping spaces.</p>				
IMPACT IF NOT PROVIDED:				
<p>The inability to handle projected personnel increases/requirements in the existing dining facilities severely jeopardizes and restricts operational capabilities to successfully accomplish the mission. Marines and Sailors working and living in the French Creek Area will continue to subsist in inadequate messhalls, negatively impacting their Quality of Life.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A)	Date design or Parametric Cost Estimate started			08/2009
(B)	Date 35% Design or Parametric Cost Estimate complete			01/2010
(C)	Date design completed			05/2010
(D)	Percent completed as of September 2009			10%
(E)	Percent completed as of January 2010			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:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Mess Hall - French Creek	
5. Program Element 0216496M	6. Category Code 72210	7. Project Number P1267	8. Project Cost (\$000) 25,960	
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$300
(C) Total				\$900
(D) Contract				\$300
(E) In-house				\$600
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				01/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Collateral Equipment		O&MMC	2012	1,310
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: William Brant			Phone No: 910-451-1833	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(HA) MARINE CORPS BASE CAMP LEJEUNE (RIFLE RANGE) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Rifle Range	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1286	8. Project Cost (\$000) 55,350	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BEQ - RIFLE RANGE (119,566 SF)	m2	11,108		34,730
BEQ 2 (50,806 SF)	m2	4,720	2,801.27	(13,220)
PERSONAL CLEANING SHELTER (1,593 SF)	m2	148	1,225.79	(180)
BEQ 1 (63,453 SF)	m2	5,895	2,724.61	(16,060)
CANOPY SENTRY HOUSE (2,476 SF)	m2	230	3,056.38	(700)
WEATHER SHELTER (86 SF)	m2	8	866.52	(10)
GATE/SENTRY HOUSE (344 SF)	m2	32	2,982.91	(100)
RECREATION SHELTER (807 SF)	m2	75	668.86	(50)
BUILT-IN EQUIPMENT	LS			(1,120)
INFORMATION SYSTEMS	LS			(190)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,280)
SPECIAL COSTS	LS			(510)
ANTI-TERRORISM/FORCE PROTECTION	LS			(840)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(470)
SUPPORTING FACILITIES				13,400
MECHANICAL UTILITIES	LS			(1,170)
ENVIRONMENTAL MITIGATION	LS			(260)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1,310)
SITE PREPARATIONS	LS			(1,040)
PAVING AND SITE IMPROVEMENTS	LS			(5,820)
ELECTRICAL UTILITIES	LS			(1,310)
LEED COMPLIANCE	LS			(40)
DEMOLITION	LS			(1,130)
SPECIAL FOUNDATION FEATURES	LS			(1,320)
SUBTOTAL				48,130
CONTINGENCY (5%)				2,410
TOTAL CONTRACT COST				50,540
SIOH (5.7%)				2,880
SUBTOTAL				53,420
DESIGN/BUILD - DESIGN COST				1,930

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(HA) MARINE CORPS BASE CAMP LEJEUNE (RIFLE RANGE) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Rifle Range	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1286	8. Project Cost (\$000) 55,350	
TOTAL REQUEST ROUNDED				55,350
TOTAL REQUEST				55,350
EQUIPMENT FROM OTHER				(1,403)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Construct a 125 room multi-story bachelor enlisted quarters (BEQ), and a 100 room multi-story BEQ, plus gatehouse, canopy and weather shelter. Construction will feature interior and exterior concrete masonry unit walls on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, and standing seam metal roofs. Built-in equipment for each BEQ building includes: Americans with Disabilities Act compliant passenger/freight elevator, fire pump with generator backup, spectrally selective window glazing, and energy management control system. Electrical systems include: power, lighting, and fire alarm. Mechanical systems include: plumbing, fire protection, and HVAC. Information systems include telephone, data, local area network, voice and data communication, and mass notification. This project will require NGEN support in each BEQ building.</p> <p>Supporting facilities include: site lighting, paved parking and roadways, sidewalks, miscellaneous concrete pads, staging and drying area for field equipment, stormwater management system, clearing and grubbing, earthwork, connector roadway and bridge, lighted basketball and volleyball courts, picnic shelter and barbecue pit, landscaping, and building and roadway signage.</p> <p>Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, stormwater management, steam, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>This project includes operation and maintenance support information, environmental mitigation, and Geospatial Data Survey and Mapping.</p> <p>This project will include the demolition of buildings RR9 and RR4 (total 3,794 m2).</p> <p>Intended Grade Mix: 230 E1-E3, 110 E4-E5.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(HA) MARINE CORPS BASE CAMP LEJEUNE (RIFLE RANGE) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Rifle Range	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1286	8. Project Cost (\$000) 55,350	
(C) Total				\$900
(D) Contract				\$800
(E) In-house				\$100
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				03/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u> <u>FY Approp</u>		
<u>Nomenclature</u>		<u>Approp</u> <u>or Requested</u> <u>Cost (\$000)</u>		
Collateral Equipment (Various)		O&MMC	2011	1,403
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: William Brant			Phone No: (910) 451-7581	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - French Creek	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1317	8. Project Cost (\$000) 43,640	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BEQ - FRENCH CREEK (103,581 SF)	m2	9,623		26,090
RECREATION SHELTER (807 SF)	m2	75	737.58	(60)
PERSONAL CLEANING STATION (1,593 SF)	m2	148	1,326.02	(200)
BEQ 1 (50,590 SF)	m2	4,700	2,331.19	(10,960)
BEQ 2 (50,590 SF)	m2	4,700	2,331.19	(10,960)
ANTI-TERRORISM/FORCE PROTECTION	LS			(580)
SPECIAL COSTS	LS			(410)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,400)
BUILT-IN EQUIPMENT	LS			(1,040)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(350)
INFORMATION SYSTEMS	LS			(130)
SUPPORTING FACILITIES				11,860
SITE PREPARATIONS	LS			(1,730)
SPECIAL FOUNDATION FEATURES	LS			(1,400)
ENVIRONMENTAL MITIGATION	LS			(580)
MECHANICAL UTILITIES	LS			(1,640)
LEED COMPLIANCE - SITE	LS			(70)
ELECTRICAL UTILITIES	LS			(1,570)
ANTI-TERRORISM/FORCE PROTECTION	LS			(240)
PAVING AND SITE IMPROVEMENTS	LS			(4,630)
SUBTOTAL				37,950
CONTINGENCY (5%)				1,900
TOTAL CONTRACT COST				39,850
SIOH (5.7%)				2,270
SUBTOTAL				42,120
DESIGN/BUILD - DESIGN COST				1,520
TOTAL REQUEST ROUNDED				43,640
TOTAL REQUEST				43,640
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,078)

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - French Creek	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1317	8. Project Cost (\$000) 43,640	
10. Description of Proposed Construction:				
<p>Construct two multi-story 100 room Bachelor Enlisted Quarters (BEQ) with interior and exterior concrete masonry unit walls on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, and standing seam metal roof. Built-in equipment for each BEQ building includes: Americans with Disabilities Act compliant passenger/freight elevator, fire pump with generator backup, spectrally selective window glazing, and energy management control system. Electrical systems include: power, lighting, and fire alarm. Mechanical systems include: plumbing, fire protection, and heating, ventilation, and air conditioning. Information systems include telephone, data, local area network, voice and data communication, and mass notification. Next Generation Intranet support will be required in each BEQ building.</p> <p>Supporting facilities include: site lighting, paved parking and roadways, sidewalks, miscellaneous concrete pads, staging and drying area for field equipment, stormwater management system, clearing and grubbing, earthwork, access roads, lighted basketball and volleyball courts, picnic shelter and barbecue pit, landscaping, building and roadway signage, greenway trail, intersection improvement and a Cogdell's Creek Crossing.</p> <p>Site utility systems include: electrical power, domestic water, fire protection water, sanitary sewer, stormwater management, steam, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>This project includes operation and maintenance support information, environmental mitigation, and Geospatial Data Survey and Mapping.</p> <p>Intended Grade Mix: 210 E1-E3, 95 E4-E5. Total: 305 Persons. Maximum Utilization: 400 E1-E3.</p>				
11. Requirement:				
Adequate:		Substandard:		
PROJECT:				
Provide 400 manspaces of adequate billeting for the French Creek Area. (Current Mission)				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - French Creek	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1317	8. Project Cost (\$000) 43,640	
REQUIREMENT: This project helps support the additional billeting requirement for the additional 5,000+ enlisted Marines assigned to Camp Lejeune, as a result of the end strength increases.				
CURRENT SITUATION: Camp Lejeune currently has a manspace deficiency in billeting enlisted personnel. Military units associated with Grow the Force began arriving in fiscal year 2007. In addition to the manspace deficiency, some existing barracks require periodic renovations. In order to accomplish these renovations, personnel must vacate the BEQs for months at a time, thus producing overcrowded conditions. Assigning Marines of the same small unit into rooms in one location cannot be accomplished, resulting in dispersal among units. Therefore, cohesion below the battalion level cannot be achieved.				
IMPACT IF NOT PROVIDED: Failure to provide these essential facilities and supporting infrastructure will result in a shortage of adequately billeted Marines. Without adequate essential billeting space, Marines experience degradation of unit cohesion, ultimately compromising combat readiness. Existing BEQ facilities will continue to be heavily used with little or no down time for scheduled/cyclic maintenance.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$300
(C) Total				\$900
(D) Contract				\$300

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(EA) MARINE CORPS BASE CAMP LEJEUNE (FRENCH CREEK) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - French Creek	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1317	8. Project Cost (\$000) 43,640	
(E) In-house				\$600
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				03/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp or Requested Cost (\$000)</u>		
Collateral Equipment (Various)		O&MMC	2012	1,078
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: William Brant			Phone No: (910) 451-1833	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(FA) MARINE CORPS BASE CAMP LEJEUNE (MONTFORD POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Camp Johnson	
5. Program Element 0216496M	6. Category Code 72114	7. Project Number P1319	8. Project Cost (\$000) 46,550	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BEQ - CAMP JOHNSON (91,622 SF)	m2	8,512		29,840
TELEPHONE EXCHANGE BUILDING (4,004 SF)	m2	372	2,605.04	(970)
REC SHELTER 2 (807 SF)	m2	75	737.58	(60)
BEQ 2 (43,002 SF)	m2	3,995	2,971	(11,870)
REC SHELTER 1 (807 SF)	m2	75	737.58	(60)
BEQ 1 (43,002 SF)	m2	3,995	2,971	(11,870)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,180)
SPECIAL COSTS	LS			(660)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(400)
BUILT-IN EQUIPMENT	LS			(1,970)
ANTI-TERRORISM/FORCE PROTECTION	LS			(670)
INFORMATION SYSTEMS	LS			(130)
SUPPORTING FACILITIES				10,650
ENVIRONMENTAL MITIGATION	LS			(380)
ELECTRICAL UTILITIES	LS			(3,530)
LEED COMPLIANCE - SITE	LS			(70)
PAVING AND SITE IMPROVEMENTS	LS			(1,920)
ANTI-TERRORISM/FORCE PROTECTION	LS			(130)
MECHANICAL UTILITIES	LS			(1,520)
SPECIAL FOUNDATION FEATURES	LS			(1,450)
SITE PREPARATIONS	LS			(1,250)
DEMOLITION	LS			(400)
SUBTOTAL				40,490
CONTINGENCY (5%)				2,020
TOTAL CONTRACT COST				42,510
SIOH (5.7%)				2,420
SUBTOTAL				44,930
DESIGN/BUILD - DESIGN COST				1,620
TOTAL REQUEST ROUNDED				46,550
TOTAL REQUEST				46,550

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(FA) MARINE CORPS BASE CAMP LEJEUNE (MONTFORD POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Camp Johnson	
5. Program Element 0216496M	6. Category Code 72114	7. Project Number P1319	8. Project Cost (\$000) 46,550	
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(950)
10. Description of Proposed Construction:				
<p>Construct two multi-story 85 room bachelor enlisted quarters (BEQs) with interior and exterior concrete masonry unit walls on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, and standing seam metal roof. This project also includes the construction of a telephone exchange building, cable vault, and duct bank. Built-in equipment for each BEQ building includes: Americans with Disabilities Act compliant passenger/freight elevator, fire pump with generator backup, spectrally selective window glazing, and energy monitoring control system. Electrical systems include: power, lighting, and fire alarm. Mechanical systems include: plumbing, fire protection, and HVAC. Information systems include telephone, data, local area network, voice and data communication, and mass notification. This project will require multiple Next Generation Intranet support in each BEQ building.</p> <p>Supporting facilities include: site lighting, paved parking and roadways, sidewalks, miscellaneous concrete pads, stormwater management system, clearing and grubbing, earthwork, access roads, lighted basketball and volleyball courts, two recreational shelters with vending and picnic areas, landscaping, fitness trail, and building and roadway signage.</p> <p>Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, steam, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>This project will include the demolition of the following buildings/structures: M621, M622, and M167 (total 1,303 m2), and SM456 (302 lm).</p> <p>This project includes operation and maintenance support information, environmental mitigation and Geospatial Data Survey and Mapping.</p> <p>Intended Grade Mix: 170 E4-E5. Total: 170 Persons.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(FA) MARINE CORPS BASE CAMP LEJEUNE (MONTFORD POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Camp Johnson	
5. Program Element 0216496M	6. Category Code 72114	7. Project Number P1319	8. Project Cost (\$000) 46,550	
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$300
(C) Total				\$900
(D) Contract				\$300
(E) In-house				\$600
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				03/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp or Requested Cost (\$000)</u>		
Collateral Equipment (Various)		O&MMC	2012	950
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: William Brant			Phone No: (910) 451-7581	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Wallace Creek	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1322	8. Project Cost (\$000) 51,660	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BEQ - WALLACE CREEK (70,191 SF)	m2	6,521		18,170
RECREATION SHELTER (807 SF)	m2	75	715.68	(50)
BEQ 1 (67,791 SF)	m2	6,298	2,251.45	(14,180)
PERSONAL CLEANING STATION (1,593 SF)	m2	148	1,299.52	(190)
SPECIAL COSTS	LS			(480)
ANTI-TERRORISM/FORCE PROTECTION	LS			(840)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(500)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,030)
BUILT-IN EQUIPMENT	LS			(810)
INFORMATION SYSTEMS	LS			(90)
SUPPORTING FACILITIES				26,750
ELECTRICAL UTILITIES	LS			(1,400)
LEED COMPLIANCE - SITE	LS			(60)
ENVIRONMENTAL MITIGATION	LS			(190)
PARKING GARAGE FOR POV	LS			(16,470)
SITE PREPARATIONS	LS			(1,590)
ANTI-TERRORISM/FORCE PROTECTION	LS			(240)
MECHANICAL UTILITIES	LS			(1,800)
SPECIAL FOUNDATION FEATURES	LS			(3,890)
PAVING AND SITE IMPROVEMENTS	LS			(1,110)
SUBTOTAL				44,920
CONTINGENCY (5%)				2,250
TOTAL CONTRACT COST				47,170
SIOH (5.7%)				2,690
SUBTOTAL				49,860
DESIGN/BUILD - DESIGN COST				1,800
TOTAL REQUEST ROUNDED				51,660
TOTAL REQUEST				51,660
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(722)

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Wallace Creek	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1322	8. Project Cost (\$000) 51,660	
10. Description of Proposed Construction:				
<p>Construct one multi-story 134 room bachelor enlisted quarters (BEQ) with interior and exterior concrete masonry unit walls on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, and standing seam metal roof. Built-in equipment for each BEQ building includes: American with Disabilities Act compliant passenger/freight elevators, fire pumps with generator backup, spectrally selective window glazing, and energy monitoring control system. Electrical systems include: power, lighting, and fire alarm. Mechanical systems include: plumbing, fire protection, and HVAC. Information systems include telephone, data, local area network, voice and data communication, and mass notification. This project will require NGEN Support.</p> <p>Construct a multi-story precast concrete privately owned vehicle parking garage with elevator, access ramps and pile supported reinforced concrete foundations. Electrical systems include: power, lighting, lightning protection, and fire alarm.</p> <p>Supporting facilities include: site lighting, paved parking and roadways, sidewalks, miscellaneous concrete pads, staging and drying area for field equipment, stormwater management system, clearing and grubbing, earthwork, access roads, lighted basketball and volleyball courts, picnic shelter and barbecue pit, landscaping, greenway trail, and building and roadway signage.</p> <p>Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, stormwater management, steam, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>This project includes operation and maintenance support information, environmental mitigation, and Geospatial Data Survey and Mapping.</p> <p>Intended Grade Mix: 105 E1-E3, 48 E4-E5 Total: 153 Persons Maximum Utilization: 268 E1-E3</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title BEQ - Wallace Creek	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P1322	8. Project Cost (\$000) 51,660	
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$300
(C) Total				\$900
(D) Contract				\$300
(E) In-house				\$600
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				03/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp or Requested Cost (\$000)</u>		
Collateral Equipment (Various)		O&MMC	2011	722
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: William Brant			Phone No: (910) 451-7581	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Armory - II MEF - Wallace Creek	
5. Program Element 0206496M	6. Category Code 14345	7. Project Number P1323	8. Project Cost (\$000) 12,280	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ARMORY - II MEF - WALLACE CREEK (14,036 SF)	m2	1,304		5,290
II-MEF ARMORY (13,035 SF)	m2	1,211	2,939.52	(3,560)
WEAPONS CLEANING AREA (1,001 SF)	m2	93	1,216.32	(110)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(70)
BUILT-IN EQUIPMENT	LS			(820)
LEED AND EPACT 2005 COMPLIANCE	LS			(340)
INFORMATION SYSTEMS	LS			(190)
SPECIAL COSTS	LS			(130)
ANTI-TERRORISM/FORCE PROTECTION	LS			(70)
SUPPORTING FACILITIES				5,780
LEED COMPLIANCE - SITE	LS			(50)
ANTI-TERRORISM/FORCE PROTECTION	LS			(200)
ELECTRICAL UTILITIES	LS			(2,740)
MECHANICAL UTILITIES	LS			(830)
SITE PREPARATIONS	LS			(680)
PAVING AND SITE IMPROVEMENTS	LS			(980)
SPECIAL FOUNDATION FEATURES	LS			(300)
SUBTOTAL				11,070
CONTINGENCY (5%)				550
TOTAL CONTRACT COST				11,620
SIOH (5.7%)				660
SUBTOTAL				12,280
TOTAL REQUEST ROUNDED				12,280
TOTAL REQUEST				12,280
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(518)
10. Description of Proposed Construction:				
Construct a single-story reinforced concrete masonry unit (CMU) building with structural walls supported on pile foundation, structural steel framing, reinforced CMU walls with brick veneer, and reinforced concrete				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Armory - II MEF - Wallace Creek	
5. Program Element 0206496M	6. Category Code 14345	7. Project Number P1323	8. Project Cost (\$000) 12,280	
<p>roof with standing seam metal roof. Construction also includes a covered cleaning area for the armory. Built in equipment includes class V vault doors and weapons cleaning tank. Electrical systems include power, lighting, electronic energy monitoring and control system, intrusion detection system and fire alarm. Mechanical systems include plumbing, fire protection, compressed air, dehumidification system, and HVAC. Information systems include telephone, data, local area network, voice and data communication, and mass notification. This project will require NGEN Support.</p> <p>Supporting facilities include site and building utility connections and distribution systems including electrical power, domestic water, fire protection water, sanitary sewer, perimeter security fencing and gates, and stormwater management. A long run of fire alarm, telephone communication, fiber optics, and cable television are required due to the location of the project.</p> <p>The project will conform to anti-terrorism/force protection (ATFP) standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p> <p>This project includes environmental mitigation.</p>				
<p>11. Requirement: <u>12,203 m2</u> Adequate: Substandard:</p> <p>PROJECT: Provides secure weapons storage and weapons cleaning areas for the II Marine Expeditionary Force (MEF) at Marine Corps Base Camp Lejeune. (Current Mission)</p> <p>REQUIREMENT: II MEF requires an armory and weapons cleaning areas to secure, preserve and maintain crew served weapons, small arms and optical/night vision equipment for II MEF personnel in the North Wallace Creek Area of Camp Lejeune.</p> <p>CURRENT SITUATION: The II MEF armory is currently operating under two exceptions to Office of the Chief of Naval Operations (OPNAV) requirements: M12001-E01A-97 armory clear zones and M12001-E01-00 physical security structural requirements. Weapons are currently being stored in Building FC302, which was constructed in the 1970s and does not meet current ATFP and physical security standards. The building has no climate control and because of the region's humid and salt-air climate, corrosion is problematic and diminishes the</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Armory - II MEF - Wallace Creek	
5. Program Element 0206496M	6. Category Code 14345	7. Project Number P1323	8. Project Cost (\$000) 12,280	
life expectancy of the weapons and ordnance equipment.				
IMPACT IF NOT PROVIDED:				
If not provided, the II MEF will continue to secure, maintain and preserve its crew served weapons in an inadequate, undersized facility that lacks climate control and fails to meet physical security and ATRFP requirements. The armory will remain under exception for clear zone requirements and for physical security structural requirements.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$500
(B) All other design costs				\$250
(C) Total				\$750
(D) Contract				\$200
(E) In-house				\$550
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				06/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment - Interior Furnishings	O&MMC	2012	368	
Weapons Electronic Inventory (RFID) System	PMC	2012	150	
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Armory - II MEF - Wallace Creek	
5. Program Element 0206496M	6. Category Code 14345	7. Project Number P1323	8. Project Cost (\$000) 12,280	
<p>has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.</p>				
Activity POC: William Brant		Phone No: (910) 451-7581		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001 MARINE CORPS BASE CAMP LEJEUNE CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Marine Corps Energy Initiative	
5. Program Element 0216496M	6. Category Code 93220	7. Project Number P1400	8. Project Cost (\$000) 9,950	
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				03/2010
(C) Date design completed				09/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$185
(B) All other design costs				\$90
(C) Total				\$275
(D) Contract				\$250
(E) In-house				\$25
4. Contract award:				12/2010
5. Construction start:				01/2011
6. Construction complete:				01/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Patrick Casey			Phone No: (703) 695-8202	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P683	8. Project Cost (\$000) 73,010	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
HANGAR (132,009 SF)	m2	12,264		35,720
AIRCRAFT MAINTENANCE HANGAR (132,009 SF)	m2	12,264	2,054.29	(25,190)
BUILT-IN EQUIPMENT	LS			(7,080)
LEED AND EPACT 2005 COMPLIANCE	LS			(870)
ANTI-TERRORISM/FORCE PROTECTION	LS			(500)
SPECIAL COSTS	LS			(670)
INFORMATION SYSTEMS	LS			(650)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(760)
SUPPORTING FACILITIES				27,780
PARKING GARAGE FOR POV	LS			(15,700)
MECHANICAL UTILITIES	LS			(960)
ELECTRICAL UTILITIES	LS			(2,550)
PAVING AND SITE IMPROVEMENTS	LS			(850)
ANTI-TERRORISM/FORCE PROTECTION	LS			(960)
SPECIAL FOUNDATION FEATURES	LS			(6,150)
LEED COMPLIANCE - SITE	LS			(10)
SITE PREPARATIONS	LS			(600)
SUBTOTAL				63,500
CONTINGENCY (5%)				3,180
TOTAL CONTRACT COST				66,680
SIOH (5.7%)				3,800
SUBTOTAL				70,480
DESIGN/BUILD - DESIGN COST				2,540
TOTAL REQUEST ROUNDED				73,020
TOTAL REQUEST				73,010
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(5,199)
10. Description of Proposed Construction:				
Construct a multi-story modified type II aircraft maintenance hangar to provide hangar bay, shop space, flight line operations, two aircraft wash				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P683	8. Project Cost (\$000) 73,010	
<p>racks, and maintenance functions in support of V-22 aircraft squadrons. The hangar will include a multi-story crew/equipment/administrative area at the rear of the hangar bay. Primary facility will be steel frame construction with suspended cantilever trusses supporting the hangar bay roof with a fabric hangar door. Roof will be a standing seam metal roof over rigid insulation on steel deck supported by steel joists. Second floor framing will be concrete on steel floor decking. Exterior walls will be metal siding on the hangar bay and concrete masonry on the operations/administrative area with thermally efficient windows and doors. Ground floor will be slab on grade with embedded grounding grid and floor drainage system in the hangar bay. Built-in equipment includes an elevator and two 7 ton bridge cranes with 42' hook height. Electrical systems include: power, lighting, aircraft grounding, and fire alarm. Mechanical utilities include: water, sewer, gas distribution, fire pump, sprinklers, aqueous film-forming foam system and containment, compressed air system, and HVAC. Information systems include: telephone, data, local area network, voice and data communication, and mass notification, secure information systems, naval aviation logistics command maintenance information system, electronic key management system and Sensitive Compartmented Information Facility vault, and weather vision systems. This project will require Next Generation Intranet support.</p> <p>Construct a multi-story precast concrete parking garage, for privately owned vehicles, with access ramps and pile supported reinforced concrete foundations. Electrical systems include: power, lighting, lightning protection, and fire alarm.</p> <p>Supporting facilities include: site lighting, paved POV parking, access roadways, excavation, grading, sidewalks, miscellaneous concrete pads, stormwater management system, clearing and grubbing, earthwork, new access roads, roadway and utilities relocations, landscaping, building and roadway signage, new aircraft paving, and flightline fencing.</p> <p>Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, stormwater management, steam, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection (ATFP) standards and follow LEED, low impact development and Federal Energy Acts compliance criteria for design, development, and construction of the project. This project includes environmental mitigation.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P683	8. Project Cost (\$000) 73,010	
The demolition of officer housing foundations and associated underground utilities are required for this project.				
11. Requirement: <u>11,548 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: This project constructs a modified type II aircraft maintenance hangar with two modules. This hangar will provide maintenance, crew and equipment, and administration spaces for two operational squadrons. This project also constructs a parking structure. A parking structure was chosen over paved parking due to the limited real estate in the flight line area, inability to meet ATFP stand off distances due to that lack of available area, and the high cost of storm water runoff prevention methods for a large paved area. (New Mission) REQUIREMENT: Provide adequate and efficiently configured facilities to accommodate two MV-22 squadrons with 12 aircraft each to include hangar bay, crew and equipment spaces, administration spaces, ready room, and maintenance shops. CURRENT SITUATION: Marine Corps Air Station New River cannot provide adequate hangar spaces to meet the requirements of MV-22 aircraft. The Type I modules are too small to meet the requirements of the MV-22. The three module Type I hangar is only 645 linear feet and does not meet the MV-22 requirement of 325 ft per module. This results in the three module hangar supporting only two MV-22 squadrons vice three CH-46 squadrons. Assigning more than one squadron to a hangar module (hot racking), that is currently taking place, will not be possible in the future when all squadrons are home, because one squadron will be left without hangar space. IMPACT IF NOT PROVIDED: If this hangar is not built, the air station will be deficient in hangar space and will not be able to provide hangar spaces to all permanently based squadrons. Squadrons are currently hot-racking in the existing hangar spaces. When all squadrons are in garrison, one squadron will be left without hangar spaces. Squadrons will not be able to perform maintenance on the required number of aircraft, forcing scheduled maintenance tasks to be performed on the parking apron in inclement weather. Delaying this project may result in the delayed introduction of required capabilities of the Marine Corps.				
12. Supplemental Data: A. Estimated Design Data:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010																
3. Installation(SA) & Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Hangar																	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P683	8. Project Cost (\$000) 73,010																	
<p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started 08/2009</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete 01/2010</p> <p>(C) Date design completed 05/2010</p> <p>(D) Percent completed as of September 2009 10%</p> <p>(E) Percent completed as of January 2010 35%</p> <p>(F) Type of design contract Design Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy Study/Life Cycle Analysis performed No</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design No</p> <p>(B) Where design was previously used N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications \$600</p> <p>(B) All other design costs \$300</p> <p>(C) Total \$900</p> <p>(D) Contract \$800</p> <p>(E) In-house \$100</p> <p>4. Contract award: 01/2011</p> <p>5. Construction start: 03/2011</p> <p>6. Construction complete: 03/2013</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment</td> <td>O&MMC</td> <td>2012</td> <td>3,699</td> </tr> <tr> <td>NGEN Support</td> <td>O&MMC</td> <td>2012</td> <td>1,500</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p> <p>Activity POC: Dosie Comer Phone No: 910-449-5401</p>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Collateral Equipment	O&MMC	2012	3,699	NGEN Support	O&MMC	2012	1,500
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>																	
Collateral Equipment	O&MMC	2012	3,699																	
NGEN Support	O&MMC	2012	1,500																	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Maintenance Hangar (HMLA)	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P687	8. Project Cost (\$000) 74,260	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MAINTENANCE HANGAR (HMLA) (131,686 SF)	m2	12,234		35,730
AIRCRAFT MAINTENANCE HANGAR (131,083 SF)	m2	12,178	1,993.06	(24,270)
UTILITY BLDG (603 SF)	m2	56	623.88	(30)
ANTI-TERRORISM/FORCE PROTECTION	LS			(480)
LEED AND EPACT 2005 COMPLIANCE	LS			(870)
SPECIAL COSTS	LS			(790)
BUILT-IN EQUIPMENT	LS			(7,130)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(1,430)
INFORMATION SYSTEMS	LS			(730)
SUPPORTING FACILITIES				28,850
LEED COMPLIANCE - SITE	LS			(10)
POV PARKING FACILITY	LS			(11,950)
PAVING AND SITE IMPROVEMENTS	LS			(950)
MECHANICAL UTILITIES	LS			(950)
SITE PREPARATIONS	LS			(950)
SPECIAL FOUNDATION FEATURES	LS			(5,840)
ELECTRICAL UTILITIES	LS			(7,240)
ANTI-TERRORISM/FORCE PROTECTION	LS			(960)
SUBTOTAL				64,580
CONTINGENCY (5%)				3,230
TOTAL CONTRACT COST				67,810
SIOH (5.7%)				3,870
SUBTOTAL				71,680
DESIGN/BUILD - DESIGN COST				2,580
TOTAL REQUEST ROUNDED				74,260
TOTAL REQUEST				74,260
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(5,217)
10. Description of Proposed Construction:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Maintenance Hangar (HMLA)	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P687	8. Project Cost (\$000) 74,260	
<p>Construct a multi-story modified type II aircraft maintenance hangar to provide hangar bay, shop space, flight line operations, one aircraft wash rack, and maintenance functions in support of V-22 aircraft squadrons. The hangar will include a multi-story crew/equipment/admin area at the rear of the hangar bay. Primary facility will be steel frame construction with suspended cantilever trusses supporting the hangar bay roof with a fabric hangar door. Roof will be a standing seam metal roof over rigid insulation on steel deck supported by steel joists. Second floor framing will be concrete on steel floor decking. Exterior walls will be metal siding on the hangar bay and concrete masonry on the operations/administrative area with thermally efficient windows and doors. Ground floor will be slab on grade with embedded grounding grid and floor drainage system in the hangar bay. Built-in equipment includes an elevator and two bridge cranes with 42 foot hook height. Electrical systems include: power, lighting, aircraft grounding, lightning protection, and fire alarm. Mechanical utilities include: water, sewer, gas distribution, fire pump, aqueous film-forming foam system and containment, compressed air system, and air conditioning. Information systems include: telephone, data, local area network, voice and data communication, and mass notification, secure information systems, naval aviation logistics command maintenance information system, electronic key management system and sensitive compartmented information facility vault, and weather vision systems. NGEN support will be required to support this project.</p> <p>Construct a multi-story precast concrete privately owned vehicle (POV) parking garage with access ramps and pile supported reinforced concrete foundations. Electrical systems include: power, lighting, lightning protection, and fire alarm.</p> <p>Supporting facilities include: site lighting, paved POV parking, access roadways, excavation, grading, sidewalks, miscellaneous concrete pads, stormwater management system, clearing and grubbing, earthwork, new access roads, roadway and utilities relocations, landscaping, building and roadway signage, new aircraft paving, roadway, new aircraft paving, and flightline fencing.</p> <p>Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, stormwater management, steam, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design,</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010																
3. Installation(SA) & Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Maintenance Hangar (HMLA)																	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P687	8. Project Cost (\$000) 74,260																	
<p>development, and construction of the project.</p> <p>This project includes operation and maintenance support information, environmental mitigation and Geospatial Data Survey and Mapping.</p>																				
<p>11. Requirement: <u>11,890 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT:</p> <p>This project constructs two aircraft maintenance hangar modified type II modules. This hangar will provide maintenance, crew and equipment, and administration spaces for two operational squadrons.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Provide adequate and efficiently configured facilities to accommodate two MV-22 squadrons with 12 aircraft each to include hangar bay, crew and equipment spaces, administration spaces, ready room, and maintenance shops.</p> <p>CURRENT SITUATION:</p> <p>The Marine Aviation Transition Plan relocates two additional squadrons to New River. Marine Corps Air Station New River is currently filled beyond capacity with regard to housing aircraft in maintenance hangars. More than one squadron is assigned to a hangar module. When all squadrons are home there will not be facilities to house all squadrons.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>When all squadrons are present, one squadron will be left without hangar spaces to include hangar bay, crew and equipment spaces, administration spaces, ready room, and maintenance shops. With the upcoming relocation of two additional squadrons to MCAS New River combined with the increased facility requirements of the V-22, New River will be four hangar modules short of meeting future requirements. Failing to construct this hangar will result in two squadrons with aircraft having no facilities for their personnel, and no maintenance spaces for the aircraft.</p>																				
<p>12. Supplemental Data:</p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>08/2009</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>01/2010</td> </tr> <tr> <td>(C) Date design completed</td> <td>06/2010</td> </tr> <tr> <td>(D) Percent completed as of September 2009</td> <td>10%</td> </tr> <tr> <td>(E) Percent completed as of January 2010</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	08/2009	(B) Date 35% Design or Parametric Cost Estimate complete	01/2010	(C) Date design completed	06/2010	(D) Percent completed as of September 2009	10%	(E) Percent completed as of January 2010	35%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	Yes	(H) Energy Study/Life Cycle Analysis performed	No
(A) Date design or Parametric Cost Estimate started	08/2009																			
(B) Date 35% Design or Parametric Cost Estimate complete	01/2010																			
(C) Date design completed	06/2010																			
(D) Percent completed as of September 2009	10%																			
(E) Percent completed as of January 2010	35%																			
(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 NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010																
3. Installation(SA) & Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Maintenance Hangar (HMLA)																	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P687	8. Project Cost (\$000) 74,260																	
<p>2. Basis:</p> <p>(A) Standard or Definitive Design No</p> <p>(B) Where design was previously used</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications \$600</p> <p>(B) All other design costs \$300</p> <p>(C) Total \$900</p> <p>(D) Contract \$800</p> <p>(E) In-house \$100</p> <p>4. Contract award: 01/2011</p> <p>5. Construction start: 03/2011</p> <p>6. Construction complete: 03/2013</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment</td> <td>O&MMC</td> <td>2012</td> <td>3,717</td> </tr> <tr> <td>NGEN Support</td> <td>O&MMC</td> <td>2012</td> <td>1,500</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p> <p>Activity POC: Dosie Comer Phone No: 910-449-5401</p>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Collateral Equipment	O&MMC	2012	3,717	NGEN Support	O&MMC	2012	1,500
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>																	
Collateral Equipment	O&MMC	2012	3,717																	
NGEN Support	O&MMC	2012	1,500																	

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. Date 01 FEB 2010				
3. Installation and Location: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index 1.05					
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL	
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		133	1113	1399	61	343	0	925	8186	1343	
B. End FY 2014		133	1112	1399	61	556	0	890	7634	1315	
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(13353 Acres)											
B. INVENTORY AS OF 30 SEP 2009 3,332,301											
C. AUTHORIZATION NOT YET IN INVENTORY 104,600											
D. AUTHORIZATION REQUESTED IN THIS PROGRAM 61,720											
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 54,598											
F. PLANNED IN NEXT THREE PROGRAM YEARS 59,440											
G. REMAINING DEFICIENCY 569,130											
H. GRAND TOTAL 4,181,789											
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>			<u>(\$000)</u>				
72124	Bachelor Enlisted Quarters	08/2009	05/2010	10123 m2			42,500				
42172	Missile Magazine	08/2009	07/2010	1082 m2			13,420				
81330	Station Infrastructure Upgrades	08/2009	04/2010	0 LS			5,800				
							TOTAL	61,720			
9. Future Projects:											
A. Included In The Following Program:											
61072 MASS-1 Headquarters 54,598											
							TOTAL	54,598			
B. Major Planned Next Three Years:											
21106 Hangar 59,440											
							TOTAL	59,440			
C. R&M Unfunded Requirement (\$000): 9,364											
10. Mission or Major Functions:											
Maintain and operate facilities and provide services and materials to support the operations of a Marine Aircraft Wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement (*): 0											
B. Occupational Safety and Health(OSH) (#): 0											

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.05

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P136	8. Project Cost (\$000) 42,500	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BACHELOR ENLISTED QUARTERS (108,963 SF)	m2	10,123		32,490
BEQ 2 (53,281 SF)	m2	4,950	2,756.62	(13,650)
BEQ 1 (53,281 SF)	m2	4,950	2,756.62	(13,650)
RECREATION SHELTER (807 SF)	m2	75	541.65	(40)
PERSONAL CLEANING STATION (1,593 SF)	m2	148	1,143.89	(170)
ANTI-TERRORISM/FORCE PROTECTION	LS			(770)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,360)
INFORMATION SYSTEMS	LS			(140)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(310)
SPECIAL COSTS	LS			(1,520)
BUILT-IN EQUIPMENT	LS			(880)
SUPPORTING FACILITIES				4,470
ANTI-TERRORISM/FORCE PROTECTION	LS			(120)
PAVING AND SITE IMPROVEMENTS	LS			(1,020)
ELECTRICAL UTILITIES	LS			(580)
SITE PREPARATIONS	LS			(880)
SPECIAL FOUNDATION FEATURES	LS			(880)
MECHANICAL UTILITIES	LS			(930)
LEEDS COMPLIANCE	LS			(60)
SUBTOTAL				36,960
CONTINGENCY (5%)				1,850
TOTAL CONTRACT COST				38,810
SIOH (5.7%)				2,210
SUBTOTAL				41,020
DESIGN/BUILD - DESIGN COST				1,480
TOTAL REQUEST ROUNDED				42,500
TOTAL REQUEST				42,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,174)

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P136	8. Project Cost (\$000) 42,500	
10. Description of Proposed Construction:				
<p>Construct two multi-story 116 room bachelor enlisted quarters (BEQs) with interior and exterior concrete masonry unit walls on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, noise attenuation features, and standing seam metal roof. Built-in equipment for each BEQ building includes: Americans with Disabilities Act compliant passenger/freight elevator, fire pump with generator backup, spectrally selective window glazing, and energy monitoring control system. Electrical systems include: power, lighting, and fire alarm. Mechanical systems include: plumbing, fire protection, fire pump, and HVAC. Information systems include telephone, data, local area network, voice and data communication, and mass notification. This project will require NGEN support in each BEQ building.</p> <p>Project will provide site lighting, paved parking and roadways, sidewalks, miscellaneous concrete pads, staging and drying area for field equipment, stormwater management system, clearing and grubbing, earthwork, access roads, lighted basketball and volleyball courts, picnic shelter and barbeque pit, landscaping and building and roadway signage. Existing training/fitness course will be relocated. Site utility distribution systems include: electrical power, domestic water, fire protection water, sanitary sewer, stormwater management, steam, fire alarm, telephone communication, fiber optics, and cable television.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project. This project includes operation and maintenance support information, Geospatial Data Survey and Mapping.</p> <p>Intended Grade Mix: 464 E1-E3. Total: 464 Persons. Maximum Utilization: 464 E1-E3.</p>				
11. Requirement: <u>9,975 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT:				
Provide bachelor enlisted quarters for permanent party enlisted personnel stationed at Marine Corps Air Station (MCAS) Cherry Point, NC.				
(Current Mission)				
REQUIREMENT:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P136	8. Project Cost (\$000) 42,500	
<p>This project is needed to provide adequate billeting for enlisted personnel at MCAS Cherry Point, to support U.S. Marine Corps Grow the Force and to meet the U.S. Marine Corps Bachelor Enlisted Quarters 2012 Campaign Plan.</p> <p>CURRENT SITUATION: Due to Grow the Force, more man spaces are required on the base.</p> <p>IMPACT IF NOT PROVIDED: MCAS Cherry Point will not be able to accomodate the Bachelor Marines in support of Grow the Force.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				03/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				25%
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$300
(C) Total				\$900
(D) Contract				\$300
(E) In-house				\$600
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				01/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment	O&MMC	2012		800
NGEN support	O&MMC	2012		374
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0216496M	6. Category Code 72124	7. Project Number P136	8. Project Cost (\$000) 42,500	
<p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis, however, the scope of the project is based on Department of the Navy requirements.</p>				
Activity POC: Gerald O. Frazier		Phone No: 252-466-4771		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Missile Magazine	
5. Program Element 0216496M	6. Category Code 42172	7. Project Number P148	8. Project Cost (\$000) 13,420	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MISSILE MAGAZINE (11,647 SF)	m2	1,082		7,870
HE MAGAZINE (5,823 SF)	m2	541	6,992.97	(3,780)
MISSILE MAGAZINE (5,823 SF)	m2	541	6,992.97	(3,780)
BUILT-IN EQUIPMENT	LS			(150)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(40)
SPECIAL COSTS	LS			(120)
SUPPORTING FACILITIES				3,800
DEMOLITION	LS			(110)
MECHANICAL UTILITIES	LS			(40)
PAVING AND SITE IMPROVEMENTS	LS			(630)
SITE PREPARATIONS	LS			(640)
ELECTRICAL UTILITIES	LS			(400)
SPECIAL FOUNDATION FEATURES	LS			(1,500)
ENVIRONMENTAL MITIGATION	LS			(480)
SUBTOTAL				11,670
CONTINGENCY (5%)				580
TOTAL CONTRACT COST				12,250
SIOH (5.7%)				700
SUBTOTAL				12,950
DESIGN/BUILD - DESIGN COST				470
TOTAL REQUEST ROUNDED				13,420
TOTAL REQUEST				13,420
EQUIPMENT FROM OTHER				(200)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Construct two single-story reinforced concrete box Type E standard earth-covered magazines. One magazine will be a missile magazine and the other a High Explosive (HE) Magazine. Special construction features include dividing walls for the HE Magazine. Operation and maintenance support information will be included in the project.</p> <p>Special foundation features include pile foundation. Electrical utilities include lighting, communications and electrical distribution. Project will provide conduit for intrusion detection system. Mechanical utilities</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Missile Magazine	
5. Program Element 0216496M	6. Category Code 42172	7. Project Number P148	8. Project Cost (\$000) 13,420	
<p>include storm sewer piping and manholes. Paving and site improvements include concrete pavement, topsoil and seeding. Environmental mitigation for wetlands, and remobilization to avoid intrusion during the four-month eagle nesting season is also included.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
11. Requirement: <u>1,082 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: Provide two earth covered box Type E magazines for storage of Class/Division (C/D) 1.1 ammunition and explosives. (Current Mission)				
REQUIREMENT: Provide storage of munitions in support of F/A-18 C/D as part of aviation transition strategy(ATS) and a Marine Ashore Support Package (MASP) to support aviation contingency operations.				
CURRENT SITUATION: Marine Corps Air Station (MCAS) Cherry Point has no spare magazine capacity to support the F/A-18 C/D aircraft. MCAS Cherry Point has also been tasked to store an MASP to support aviation contingency operations. This requirement is in addition to the existing ground contingency plan, and its ammunition and pyrotechnics required to support II Marine Expeditionary Force Camp Lejeune.				
IMPACT IF NOT PROVIDED: Without this project, the ability to store munitions in support of ATS, the F/A-18 C/D aircraft and MASP aboard the Air Station will be non-existent. The munitions will have to be stored at another location which impacts operational readiness.				
12. Supplemental Data: A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				07/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				35%
(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 NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010												
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Missile Magazine													
5. Program Element 0216496M	6. Category Code 42172	7. Project Number P148	8. Project Cost (\$000) 13,420													
<p>2. Basis:</p> <p>(A) Standard or Definitive Design Yes</p> <p>(B) Where design was previously used MCAS Cherry Point - P075</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications \$175</p> <p>(B) All other design costs \$125</p> <p>(C) Total \$300</p> <p>(D) Contract \$250</p> <p>(E) In-house \$50</p> <p>4. Contract award: 01/2011</p> <p>5. Construction start: 03/2011</p> <p>6. Construction complete: 06/2012</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="0"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Intrusion Detection System</td> <td>PMC</td> <td>2012</td> <td>200</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Intrusion Detection System	PMC	2012	200
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>														
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>													
Intrusion Detection System	PMC	2012	200													
<p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.</p>																
Activity POC: Mr. Gerald Frazier		Phone No: (252) 466-4771														

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Missile Magazine	
5. Program Element 0216496M	6. Category Code 42172	7. Project Number P148	8. Project Cost (\$000) 13,420	
Blank Page				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Station Infrastructure Upgrades	
5. Program Element 0216496M	6. Category Code 81330	7. Project Number P176	8. Project Cost (\$000) 5,800	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
STATION INFRASTRUCTURE UPGRADES	LS			4,360
ELECTRICAL DISTRIBUTION SYSTEM (49,463 KV)	KV	49,463	44.37	(2,190)
POTABLE WATER SYSTEM (16,404 LF)	m	5,000	403.36	(2,020)
ANTI-TERRORISM/FORCE PROTECTION	LS			(40)
BUILT-IN EQUIPMENT	LS			(20)
SPECIAL COSTS	LS			(70)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(20)
SUPPORTING FACILITIES				870
SITE PREPARATIONS	LS			(380)
ELECTRICAL UTILITIES	LS			(40)
MECHANICAL UTILITIES	LS			(450)
SUBTOTAL				5,230
CONTINGENCY (5%)				260
TOTAL CONTRACT COST				5,490
SIOH (5.7%)				310
SUBTOTAL				5,800
TOTAL REQUEST ROUNDED				5,800
TOTAL REQUEST				5,800
10. Description of Proposed Construction:				
<p>Upgrade Station F switchgear to 3000A (64,500 kVA), upgrade Station E switchgear to 2000A (43,000 kVA) and upgrade E-F tie circuit to 2000A (43,000 kVA). Complete the Range Road potable water distribution loop and provide potable water distribution loop for North quadrant.</p> <p>Low Impact Development will be included in the design and construction of this project.</p> <p>No building demolition will be required for this project.</p>				
11. Requirement:				
		Adequate:	Substandard:	
PROJECT:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Station Infrastructure Upgrades	
5. Program Element 0216496M	6. Category Code 81330	7. Project Number P176	8. Project Cost (\$000) 5,800	
<p>This project expands and upgrades existing utility systems to improve service quality and provide multiple service pathways.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>In order to support the increase in facilities and operations in the north quadrant of Marine Corps Air Station Cherry Point, additional utility infrastructure is required. Additional potable water interconnections are needed to provide required capacity and quality. Additional electrical interconnection capacity within the base electrical infrastructure is required to provide adequate redundancy.</p> <p>CURRENT SITUATION:</p> <p>The existing base electrical infrastructure is fed from 2 main substations. These substations each feed nominally independent systems with a single tie circuit connection to cross feed between the systems in the event one substation fails. Current tie circuit capacity of 1000A is insufficient to transfer sufficient electrical power between the systems safely. Upgrading the tie circuit to 2000A with corresponding increases to connected substation buses and switch gear will allow safe transfer of sufficient power and provide valuable redundancy.</p> <p>Water supply to the north quadrant is currently adequate in quantity but of diminished quality because the lines in this area are generally dead end lines requiring frequent flushing to meet minimum quality standards. Additionally, the dead end arrangement does not provide sufficient flow capacity to meet fire protection requirements for any significant building expansion in the area.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If planned electrical infrastructure upgrade is not provided, the Air Station will continue to rely on existing tie circuit capacity. Use of this undersized circuit requires that multiple users be disconnected during power failures to limit demand. This results in loss of power to family housing, operational facilities, and depot facilities. While operating the tie circuit in this manner, constant supervision is required to disconnect customers quickly to prevent catastrophic overloads of the substation switchgear and buses. Even with constant supervision, these events result in significant overloads of the equipment causing overheating and shortening component life.</p> <p>If the potable water system upgrades are not provided, water quality issues in the north quadrant will remain, requiring continued flushing to provide safe drinking water to users in this area. Currently, approximately 20,000 gallons per day of potable water are flushed into the station storm</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Station Infrastructure Upgrades	
5. Program Element 0216496M	6. Category Code 81330	7. Project Number P176	8. Project Cost (\$000) 5,800	
drainage system to maintain water quality in this area. The lack of fire flow capacity in the north quadrant will continue to limit development potential of valuable real estate adjoining the existing taxiways.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				04/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$400
(B) All other design costs				\$200
(C) Total				\$600
(D) Contract				\$500
(E) In-house				\$100
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				03/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Mr. Gerald O. Frazier		Phone No: (252) 466-4771		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT, NORTH CAROLINA			4. Project Title Station Infrastructure Upgrades	
5. Program Element 0216496M	6. Category Code 81330	7. Project Number P176	8. Project Cost (\$000) 5,800	
Blank Page				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: N32411 NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.04			
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		1107	851	3484	176	610	0	258	138	0	6624
B. End FY 2014		1352	1039	3484	176	710	0	300	102	0	7163
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(1400 Acres)											
B. INVENTORY AS OF 30 SEP 2009											2,592,209
C. AUTHORIZATION NOT YET IN INVENTORY											10,620
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											27,007
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											61,744
G. REMAINING DEFICIENCY											186,750
H. GRAND TOTAL											2,878,330
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
31710	Electromagnetic Sensor Facility	02/2007	03/2010		5047 m2	27,007					
						TOTAL	27,007				
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
72117	CONSTRUCT BERTHING FOR	OTC STUDENTS					46,121				
31520	SUBMARINE PAYLOADS INTEGRATION	LABORATORY					11,086				
87210	SECURITY GATE AT/FP IMPROVEMENTS						4,537				
						TOTAL	61,744				
C. R&M Unfunded Requirement (\$000):											592,124
10. Mission or Major Functions:											
Naval Station Newport's mission is to maintain and operate facilities and provide services and material to support operations for tenant activities, supported activities and visiting fleet units, and to provide such other functions and tasks as may be directed by higher authority.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement (*):											0
B. Occupational Safety and Health(OSH) (#):											0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N32411 NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.04

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N32411 NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND			4. Project Title Electromagnetic Sensor Facility	
5. Program Element 0805376N	6. Category Code 31710	7. Project Number P068	8. Project Cost (\$000) 27,007	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ELECTROMAGNETIC SENSOR FACILITY (54,325 SF)	m2	5,047		19,720
ELECTROMAGNETIC SENSOR FACILITY (46,328 SF)	m2	4,304	3,718.25	(16,000)
PERISCOPE TOWER (7,998 SF)	m2	743	1,832	(1,360)
SPECIAL COSTS	LS			(260)
LEED AND EPACT 2005 COMPLIANCE	LS			(640)
ANTI-TERRORISM/FORCE PROTECTION	LS			(90)
BUILT-IN EQUIPMENT	LS			(1,120)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(250)
SUPPORTING FACILITIES				3,770
PAVING AND SITE IMPROVEMENTS	LS			(360)
SITE PREPARATIONS	LS			(320)
LEED & EPACT 2005	LS			(120)
MECHANICAL UTILITIES	LS			(340)
DEMOLITION	LS			(2,260)
ELECTRICAL UTILITIES	LS			(370)
SUBTOTAL				23,490
CONTINGENCY (5%)				1,170
TOTAL CONTRACT COST				24,660
SIOH (5.7%)				1,410
SUBTOTAL				26,070
DESIGN/BUILD - DESIGN COST				940
TOTAL REQUEST ROUNDED				27,010
TOTAL REQUEST				27,007
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,100)
10. Description of Proposed Construction:				
Construct a laboratory facility to replace the existing facility in Building #68 which is located on deteriorated Pier #2. The two-story structure with a five-story equipment tower will be constructed with steel framing, concrete floor, masonry walls with brick facing, metal roof deck and single ply membrane roofing.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N32411 NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND			4. Project Title Electromagnetic Sensor Facility	
5. Program Element 0805376N	6. Category Code 31710	7. Project Number P068	8. Project Cost (\$000) 27,007	
<p>Built-in equipment includes passenger and freight elevators, overhead cranes rails, electronic security systems (conduit and boxes only) and structural support for the roof mounted 6-axis motion table and multifunction antenna platform. Project includes site development, pavement, mechanical utilities and electrical service.</p> <p>The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development and construction.</p> <p>Building #68 will be demolished upon completion of new construction (5,047 m2).</p>				
<p>11. Requirement: <u>10,094 m2</u> Adequate: Substandard:</p> <p>PROJECT:</p> <p>Construct a replacement facility for the electromagnetic sensor functions currently located at Building #68 on Pier #2.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>A replacement laboratory is required to allow for the relocation of the electromagnetic sensor mission functions from Building #68. All submarines rely on periscope imaging systems, communications antennas, electronic warfare (EW) and information operations sensors and other electromagnetic devices to perform their vital missions.</p> <p>CURRENT SITUATION:</p> <p>The existing electromagnetic sensor facility is located on Pier #2 which is severely deteriorated with restricted use over the majority of the deck. This pier was built in 1958 and its structural piles have been exhibiting serious signs of deterioration.</p> <p>Heavy traffic such as cranes and fire trucks and passenger vehicles are restricted. Naval Station Newport no longer needs the pier for ship berthing and has no plans to repair the pier.</p> <p>With further deterioration, the electromagnetic sensor facility at Building #68 on Pier #2 will be inaccessible by vehicles and thus will not be able to accomplish its mission while placing personnel safety and fleet assets at risk.</p> <p>IMPACT IF NOT PROVIDED:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N32411 NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND			4. Project Title Electromagnetic Sensor Facility	
5. Program Element 0805376N	6. Category Code 31710	7. Project Number P068	8. Project Cost (\$000) 27,007	
<p>Without this project, the electromagnetic sensor facility will be unable to support its mission. There are no satisfactory workarounds for the unsafe conditions that will exist on the pier.</p> <p>There are no other existing facilities at NUWC DIVNPT capable of being reconfigured to the unique requirements of handling periscopes and communications masts that meet the critical site requirements.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				02/2007
(B) Date 35% Design or Parametric Cost Estimate complete				06/2009
(C) Date design completed				03/2010
(D) Percent completed as of September 2009				45%
(E) Percent completed as of January 2010				80%
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$550
(B) All other design costs				\$220
(C) Total				\$770
(D) Contract				\$570
(E) In-house				\$200
4. Contract award:				12/2010
5. Construction start:				02/2011
6. Construction complete:				09/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Bridge Cranes (4)	NWCF	2011	800	
Electronic Security System (IDS)	OPN	2012	300	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM									2. Date 01 FEB 2010
3. Installation and Location: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA						4. Command Commandant of the Marine Corps			5. Area Const Cost Index 1.04	
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-09	86	612	672	78	30	16	282	2871	347
B. End FY 2014	63	614	672	78	30	16	304	3033	383	5193
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(6483 Acres)										
B. INVENTORY AS OF 30 SEP 2009										1,347,755
C. AUTHORIZATION NOT YET IN INVENTORY										16,240
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										129,410
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										8,525
F. PLANNED IN NEXT THREE PROGRAM YEARS										201,903
G. REMAINING DEFICIENCY										255,205
H. GRAND TOTAL										1,959,038
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>		<u>(\$000)</u>		
74044	Physical Fitness Center	07/2009	06/2010	4447	m2			15,430		
91110	ACUIZ Land Acquisition	08/2009	06/2010	590	AC			21,190		
17110	Training and Simulator Facility	08/2009	06/2010	9457	m2			46,240		
21105	Aircraft Hangar, VMFAT-502	08/2009	06/2010	0	LS			46,550		
TOTAL								129,410		
9. Future Projects:										
A. Included In The Following Program:										
21860 Ground Support Equipment Shop										8,525
TOTAL								8,525		
B. Major Planned Next Three Years:										
21105 Fleet Replacement Squadron Hangar										46,236
21106 Hangar										38,623
21106 Hangar										59,003
21106 Hangar										58,041
TOTAL								201,903		
C. R&M Unfunded Requirement (\$000):										
										307
10. Mission or Major Functions:										
To administer assigned personnel, maintain and operate facilities, and provide services and material to support operations of a Marine Aircraft Group and other activities and units designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement (*):										0
B. Occupational Safety and Health(OSH) (#):										0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.04

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Physical Fitness Center	
5. Program Element 0206496M	6. Category Code 74044	7. Project Number P420	8. Project Cost (\$000) 15,430	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
PHYSICAL FITNESS CENTER (47,867 SF)	m2	4,447		10,620
INDOOR FITNESS FACILITY (47,867 SF)	m2	4,447	2,090.4	(9,300)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(130)
ANTI-TERRORISM/FORCE PROTECTION	LS			(150)
SPECIAL COSTS	LS			(130)
LEED AND EPACT 2005 COMPLIANCE	LS			(460)
BUILT-IN EQUIPMENT	LS			(450)
SUPPORTING FACILITIES				2,800
SPECIAL CONSTRUCTION FEATURES	LS			(630)
MECHANICAL UTILITIES	LS			(330)
DEMOLITION	LS			(510)
SITE PREPARATIONS	LS			(240)
PAVING AND SITE IMPROVEMENTS	LS			(560)
ELECTRICAL UTILITIES	LS			(530)
SUBTOTAL				13,420
CONTINGENCY (5%)				670
TOTAL CONTRACT COST				14,090
SIOH (5.7%)				800
SUBTOTAL				14,890
DESIGN/BUILD - DESIGN COST				540
TOTAL REQUEST ROUNDED				15,430
TOTAL REQUEST				15,430
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(576)
10. Description of Proposed Construction:				
<p>Project is a new multi-story physical fitness center to replace the existing, inadequate facility. This project will provide a dedicated area for the Semper Fit Wellness Center for highlighting the Marine Corps Air Station Beaufort (MCAS) Semper Fit program.</p> <p>The construction will be comprised of steel framing, a double width split</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Physical Fitness Center	
5. Program Element 0206496M	6. Category Code 74044	7. Project Number P420	8. Project Cost (\$000) 15,430	
<p>face concrete masonry unit wall system on pile foundation, standing seam metal roof system, and an energy management control system. Information systems include mass notification system, local area network, telephones and central area television. Electrical utilities include exterior lighting and distribution. Mechanical utilities include water distribution, sanitary sewer and a geothermal well-field for ground source heating/cooling. Paving and site improvements include earthwork, landscaping, and sidewalks. Demolition of Building #408 (3,071 m2) is included in this project.</p> <p>The project will conform to anti-terrorism/force protection (ATFP) standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
11. Requirement: <u>4,447 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: This project provides a physical fitness facility permitting an improved quality of life and service for the Marines who live and train at MCAS Beaufort. The facility will support a well rounded physical fitness assessment, testing, and training program to include: basketball, volleyball, weight-training, wrestling, martial arts, aerobics, physical fitness training and fitness/health rehabilitation. This project will provide a dedicated area for Semper Fit Wellness Center for highlighting the MCAS Beaufort Semper Fit program designed as a preventive wellness program to improve the health of the military and dependent population of the air station. (Current Mission)				
REQUIREMENT: The project is required to provide physical fitness and wellness facilities for the Marines who live and train at MCAS Beaufort. The facility will provide an area for Semper Fit exercise and wellness activities, free weight/circuit training room, staff support, and racquetball, volleyball and basketball court spaces.				
CURRENT SITUATION: The existing 3,071 m2 indoor fitness facility's condition is inadequate due to size, condition, and lack of ATFP features. The existing gymnasium was constructed in 1956 and does not contain adequate seismic structural reinforcement, insulation, fire protection or air conditioning. Over the past 50 years, additions were constructed or adjacent facilities converted to increase the size. The free-weight area was converted from a bowling alley, and the aerobics center was converted from a library. The fitness				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Physical Fitness Center	
5. Program Element 0206496M	6. Category Code 74044	7. Project Number P420	8. Project Cost (\$000) 15,430	
<p>center and racquetball courts are additions. The fitness remediation program has to share the aerobics area, reducing the effectiveness of each program. Aerobics can accommodate only 39 patrons while the demand regularly exceeds 100. The facility is severely disjointed and suffers from poor air circulation, mold and mildew as well as other life/safety issues such as poor egress passageways and minimal fire protection. The building could collapse in a seismic event.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Personnel will continue to conduct fitness programs in cramped, overcrowded and poorly ventilated spaces thus negatively impacting readiness and willingness to participate. The facility could collapse in a seismic event, jeopardizing the safety of personnel. The Marine Corps may lose valuable personnel who are not able to attend rehabilitation programs due to space limitations. The facility, designed without current energy saving systems, will continue to operate with high costs for utilities. The existing facility does not meet ATRP requirements.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$390
(B) All other design costs				\$130
(C) Total				\$520
(D) Contract				\$480
(E) In-house				\$40
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				08/2012
B. Equipment associated with this project which will be provided from other appropriations:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Physical Fitness Center	
5. Program Element 0206496M	6. Category Code 74044	7. Project Number P420	8. Project Cost (\$000) 15,430	
<u>Equipment</u> <u>Nomenclature</u> FITNESS EQUIPMENT	<u>Procuring</u> <u>Approp</u> O&MMC	<u>FY Approp</u> <u>or Requested</u> 2011	<u>Cost (\$000)</u> 576	
JOINT USE CERTIFICATION: The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Joint Use is recommended.				
Activity POC: Jim Roberts		Phone No: 843-228-6704 DSN: 335-6704		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title AICUZ Land Acquisition	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P433	8. Project Cost (\$000) 21,190	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AICUZ LAND ACQUISITION	AC	590		19,090
AICUZ LAND ACQUISITION	AC	590	31,634.03	(18,660)
SURVEY/TITLE/APPRaisal	LS			(430)
SUBTOTAL				19,090
CONTINGENCY (5%)				950
TOTAL CONTRACT COST				20,040
SIOH (5.7%)				1,140
SUBTOTAL				21,180
TOTAL REQUEST ROUNDED				21,180
TOTAL REQUEST				21,190
10. Description of Proposed Construction:				
<p>Acquisition of real estate interests in approximately 590 acres of undeveloped land located within the Air Installation Compatible Use Zone (AICUZ) footprint. Initial acquisition will pursue acquiring a restrictive easement / purchase of development rights, as preferable to fee. Should easement quotes be 75 percent or higher than purchase price, fee purchase will be completed instead.</p>				
11. Requirement: <u>590 AC</u> Adequate: Substandard:				
PROJECT:				
<p>Acquisition of real estate interests in approximately 590 acres of vacant, minimally improved agricultural and silvicultural lands (tree farm).</p> <p>(Current Mission)</p>				
REQUIREMENT:				
<p>To maintain the operational integrity of the air station by pre-empting land uses that are incompatible with pilot training and aircraft operations. This mission requires sufficient compatible land use surrounding the air station to protect the health, safety and welfare of civilians and military personnel and to maintain installation investment by safeguarding the operational capabilities of the air station from encroachment. The acquisition of real estate interests on these parcels of land ensures compatible land uses and minimizes the threat of unexpected law suits by current or future land owners.</p>				
CURRENT SITUATION:				
<p>Marine Corps Air Station Beaufort currently has minor existing encroachment, but encroachment is increasing. The once profitable agricultural industry in Beaufort County has been overtaken by resort</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title AICUZ Land Acquisition	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P433	8. Project Cost (\$000) 21,190	
<p>development resulting in conversion of large farms to suburbs. Some farm lands and large timber operations located within the AICUZ footprint were being converted to development prior to the recent economic downturn. This development is incompatible with high performance aircraft operations. Beaufort County remains one of the top five counties in South Carolina for population growth. In 2006, the local governments adopted the Airport Overlay District incorporating the AICUZ footprint but zoning ordinances can only be changed with elections.</p> <p>MCAS Beaufort has excellent community support. Encroachment Partnering (EP) is being utilized to the fullest extent possible with MCAS Beaufort in partnership with the Beaufort County Rural and Critical Lands Acquisition Board and the Beaufort County Open Land Trust. However, many of the critical lands are not suitable for EP because they do not meet the program requirements of the partners or the property owners do not want to participate in the program. Military construction is only one of several acquisition tools being utilized for encroachment control and is appropriate for the properties identified in this project.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>The properties identified in this project have a high potential for incompatible development because they are not eligible for Encroachment Partnering (EP) or landowners are not interested in the EP program. If restrictive easements are not placed over these properties, then new development is expected in the near future which will threaten MCAS Beaufort with incompatible land uses (i.e. residential with high performance aircraft pilot training operations).</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				35%
(F) Type of design contract				Other
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$100

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title AICUZ Land Acquisition	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P433	8. Project Cost (\$000) 21,190	
(B) All other design costs				\$200
(C) Total				\$300
(D) Contract				\$200
(E) In-house				\$100
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				03/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Alice Howard			Phone No: (843)228-7558	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title AICUZ Land Acquisition	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P433	8. Project Cost (\$000) 21,190	
<p>Blank Page</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Training and Simulator Facility	
5. Program Element 0216496M	6. Category Code 17110	7. Project Number P444	8. Project Cost (\$000) 46,240	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
TRAINING AND SIMULATOR FACILITY (101,794 SF)	m2	9,457		37,120
APPLIED INSTRUCTION (36,931 SF)	m2	3,431	2,693.63	(9,240)
FLIGHT SIMULATORS (50,343 SF)	m2	4,677	3,275.2	(15,320)
NETWORK AREAS FOR COURSEWARE (14,521 SF)	m2	1,349	3,630.29	(4,900)
SPECIAL COSTS	LS			(1,760)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(360)
LEED AND EPACT 2005 COMPLIANCE	LS			(4,310)
ANTI-TERRORISM/FORCE PROTECTION	LS			(300)
BUILT-IN EQUIPMENT	LS			(930)
SUPPORTING FACILITIES				4,550
SPECIAL CONSTRUCTION FEATURES	LS			(330)
SITE PREPARATIONS	LS			(280)
ELECTRICAL UTILITIES	LS			(1,400)
SPECIAL FOUNDATION FEATURES	LS			(1,140)
PAVING AND SITE IMPROVEMENTS	LS			(990)
MECHANICAL UTILITIES	LS			(340)
ANTI-TERRORISM/FORCE PROTECTION	LS			(70)
SUBTOTAL				41,670
CONTINGENCY (5%)				2,080
TOTAL CONTRACT COST				43,750
SIOH (5.7%)				2,490
SUBTOTAL				46,240
TOTAL REQUEST ROUNDED				46,240
TOTAL REQUEST				46,240
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(48,624)
10. Description of Proposed Construction:				
Construct a new multi-story training and simulator center to support training of approximately 78 pilots per year in the flight operation and				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Training and Simulator Facility	
5. Program Element 0216496M	6. Category Code 17110	7. Project Number P444	8. Project Cost (\$000) 46,240	
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				35%
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,750
(B) All other design costs				\$250
(C) Total				\$2,000
(D) Contract				\$1,750
(E) In-house				\$250
4. Contract award:				12/2010
5. Construction start:				02/2011
6. Construction complete:				09/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment	O&MMC	2012	499	
Flight Simulators	APN	2011	48,000	
NGEN support	O&MMC	2012	125	
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Jim Roberts			Phone No: DSN 335-6704	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Training and Simulator Facility	
5. Program Element 0216496M	6. Category Code 17110	7. Project Number P444	8. Project Cost (\$000) 46,240	
Blank Page				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Aircraft Hangar - VMFAT-502	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P454	8. Project Cost (\$000) 46,550	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AIRCRAFT HANGAR - VMFAT-502	LS			37,850
AIRCRAFT PARKING APRON (156,604 SF)	m2	14,549	171.92	(2,500)
PERIPHERAL TAXILANES (328,515 SF)	m2	30,520	171.92	(5,250)
MAINTENANCE ADMIN (15,963 SF)	m2	1,483	3,282.69	(4,870)
AIRCRAFT ACCESS APRON (15,748 SF)	m2	1,463	167.59	(250)
MAINTENANCE BAY (31,420 SF)	m2	2,919	3,333.47	(9,730)
MAINTENANCE SHOPS (13,519 SF)	m2	1,256	3,331.85	(4,180)
SUN SHELTERS	EA	20	161,929.73	(3,240)
ELECTRICAL FOR COOLING CARTS IN HANGAR BAY	EA	1	188,918.02	(190)
MBIT PAD (HEAT RESISTANT CONCRETE)	EA	1	80,964.87	(80)
UPGRADE CONCRETE (UBER) AT AIRCRAFT PARKING	EA	20	26,988.29	(540)
NETWORK CONNECTIVITY IN HANGAR BAY	EA	1	32,385.95	(30)
CONDUIT FOR FLEDS	EA	1	48,578.92	(50)
SPECIAL COSTS	LS			(1,140)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(300)
ANTI-TERRORISM/FORCE PROTECTION	LS			(300)
INFORMATION SYSTEMS	LS			(1,090)
BUILT-IN EQUIPMENT	LS			(1,530)
LEED AND EPACT 2005 COMPLIANCE	LS			(2,580)
SUPPORTING FACILITIES				4,090
SITE PREPARATIONS	LS			(300)
PAVING AND SITE IMPROVEMENTS	LS			(1,570)
MECHANICAL UTILITIES	LS			(660)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
SPECIAL FOUNDATION FEATURES	LS			(730)

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Aircraft Hangar - VMFAT-502	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P454	8. Project Cost (\$000) 46,550	
ELECTRICAL UTILITIES		LS		(770)
SUBTOTAL				41,940
CONTINGENCY (5%)				2,100
TOTAL CONTRACT COST				44,040
SIOH (5.7%)				2,510
SUBTOTAL				46,550
TOTAL REQUEST ROUNDED				46,550
TOTAL REQUEST				46,550
EQUIPMENT FROM OTHER				(775)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Construct a multi-story aircraft hangar which consists of aircraft maintenance bay, shop, and administrative areas, data network areas, pilot brief and debrief rooms, restrooms, and mechanical and electrical rooms. Portions of the facility will be constructed and certified for secure handling and storage of classified material and components up to Top Secret/Special Access Program Facility classifications. An aircraft concrete parking ramp will be constructed. The ramp will include areas with high temperature resistant concrete to support the Joint Strike Fighter F-35 (JSF F-35) operation.</p> <p>Construction of the hangar will generally consist of steel framing, bridge cranes and supporting structures, a double width split-faced concrete masonry unit (CMU) wall system on concrete pile foundations, interior CMU walls furred with gypsum wallboard, and a sloped, photovoltaic roof. Site improvements will include utility connections, a paved access road, privately owned vehicle parking, site lighting, sidewalks and landscaping.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
11. Requirement: <u>52,190 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT:				
Construct a new aircraft hangar to support one JSF F-35 training squadron VMFAT-502 with 20 aircraft assigned.				
(New Mission)				
REQUIREMENT:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Aircraft Hangar - VMFAT-502	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P454	8. Project Cost (\$000) 46,550	
<p>Provide appropriate hangar maintenance, shop maintenance, and administrative spaces for an JSF F-35 training squadron (VMFAT-502) of 20 aircraft.</p> <p>CURRENT SITUATION:</p> <p>This is a new requirement for Marine Corps Air Station (MCAS), Beaufort. The two existing hangars are not large enough to support the operational or training JSF F-35 squadrons and the remaining 50+ year old hangars have reached the end of their useful life. The existing transition plan from F/A-18s to JSF F-35s will cause hangar space shortfalls starting in the near future.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>MCAS Beaufort will not have an adequate aircraft hangar to support the second Marine Corps JSF F-35 training squadron, VMFAT-502.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				10%
(E) Percent completed as of January 2010				35%
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,750
(B) All other design costs				\$200
(C) Total				\$1,950
(D) Contract				\$1,700
(E) In-house				\$250
4. Contract award:				12/2010
5. Construction start:				02/2011
6. Construction complete:				09/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>		<u>FY Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>		<u>or Requested</u>	<u>Cost (\$000)</u>

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Aircraft Hangar - VMFAT-502	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P454	8. Project Cost (\$000) 46,550	
Collateral Equipment		O&MMC	2013	650
NGEN Support Equipment		O&MMC	2013	125
<p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p>				
Activity POC: Jim Roberts			Phone No: 843-228-6704	

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. Date 01 FEB 2010				
3. Installation and Location: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA				4. Command Commander Navy Installations Command		5. Area Const Cost Index .97					
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT		TOTAL	
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		4306	38448	10484	0	0	0	666	691	0	54595
B. End FY 2014		4371	39863	10077	0	0	0	666	691	0	55668
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(3687 Acres)											
B. INVENTORY AS OF 30 SEP 2009 5,638,673											
C. AUTHORIZATION NOT YET IN INVENTORY 87,979											
D. AUTHORIZATION REQUESTED IN THIS PROGRAM 12,435											
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 84,260											
F. PLANNED IN NEXT THREE PROGRAM YEARS 12,215											
G. REMAINING DEFICIENCY 926,505											
H. GRAND TOTAL 6,762,067											
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>					
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>						
15120	Piers 9 and 10 Upgrades for DDG 1000	02/2009	09/2010	1752 FB	2,400						
15120	Pier 1 Upgrades to Berth USNS Comfort	07/2008	06/2010	0 LS	10,035						
					TOTAL	12,435					
9. Future Projects:											
A. Included In The Following Program:											
72111 Bachelor Quarters (Homeport Ashore-IAP) NFK					84,260						
					TOTAL	84,260					
B. Major Planned Next Three Years:											
87210 GATE 4 SECURITY IMPROVEMENTS					12,215						
					TOTAL	12,215					
C. R&M Unfunded Requirement (\$000):					1,033,334						
10. Mission or Major Functions:											
<p>Naval Station Norfolk functions as the primary operating base of the Atlantic Fleet. It provides port and airfield services, extensive facilities to support the many functions performed on the base, and the full range of services needed to enhance the quality of service and quality of life of military personnel and their families. Naval Station, Norfolk is homeport to over 80 ships, including five aircraft carriers, surface escorts and other combatants, logistics support ships, and attack submarines. It also maintains 15 fixed-wing and helicopter squadrons, a contract fleet readiness squadron for C-12, and air cargo and air passenger terminals. In addition, the airfield hosts transport aircraft (C-9, C-5, C-130, B-757, DC-8, DC-5, L1011).</p>											
11. Outstanding Pollution and Safety Deficiencies (\$000):											

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .97
A. Pollution Abatement (*):		0
B. Occupational Safety and Health(OSH) (#):		0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title Piers 9 and 10 Upgrades for DDG 1000	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P828	8. Project Cost (\$000) 2,400	
CURRENT SITUATION: All existing berths that provide 4,160V power are fully utilized by nuclear powered aircraft carriers.				
IMPACT IF NOT PROVIDED: If these upgrades are not completed there will not be adequate berthing at NSN for the DDG 1000.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				02/2009
(B) Date 35% Design or Parametric Cost Estimate complete				08/2009
(C) Date design completed				09/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				35%
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$200
(B) All other design costs				\$80
(C) Total				\$280
(D) Contract				\$200
(E) In-house				\$80
4. Contract award:				12/2010
5. Construction start:				02/2011
6. Construction complete:				02/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Robert L. Butters, PE			Phone No: (757) 444-4155 X 3015	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title Pier 1 Upgrades to Berth USNS Comfort	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P862	8. Project Cost (\$000) 10,035	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
PIER 1 UPGRADES TO BERTH USNS COMFORT	LS			7,100
PIER STRENGTHENING (ADDITIONAL PILES)	EA	40	45,900	(1,840)
RAISED PLATFORMS	LS			(2,130)
FENDER SYSTEM UPGRADES	m	594	5,125.15	(3,040)
SPECIAL COSTS	LS			(90)
SUPPORTING FACILITIES				1,630
PAVING AND SITE IMPROVEMENTS	LS			(10)
MECHANICAL UTILITIES	LS			(1,620)
SUBTOTAL				8,730
CONTINGENCY (5%)				440
TOTAL CONTRACT COST				9,170
SIOH (5.7%)				520
SUBTOTAL				9,690
DESIGN/BUILD - DESIGN COST				350
TOTAL REQUEST ROUNDED				10,040
TOTAL REQUEST				10,035
EQUIPMENT FROM OTHER				(500)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Project upgrades Pier 1 to accommodate the USNS Comfort. The USNS Comfort will be berthed on the south side of Pier 1 at Naval Station, Norfolk (NSN). Two mooring platforms will be constructed by driving piles through the Pier 1 deck. Bollards will be installed on each mooring platform. Existing Pier 1 bollards will be replaced, deck will be strengthened, potable water and fire protection systems will be upgraded.</p>				
11. Requirement:				
PROJECT:				
<p>This project upgrades Pier 1 to provide adequate berthing on the south side of the pier for the hospital ship USNS Comfort.</p>				
(New Mission)				
REQUIREMENT:				
<p>An adequate and efficiently configured pier is required to berth the USNS Comfort at a dedicated berth at Pier 1.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title Pier 1 Upgrades to Berth USNS Comfort	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P862	8. Project Cost (\$000) 10,035	
<p>Moorings will be designed for 70 mph winds and the mooring fittings will be able to accommodate 10 inch circular lines with a break strength of approximately 280,000 pounds (140 tons).</p> <p>A combination fire fighting protection and potable water system is required.</p> <p>CURRENT SITUATION:</p> <p>The USNS Comfort is one of two U.S. Navy hospital ships and is the only one homeported on the east coast.</p> <p>The USNS COMFORT has been berthed at a commercial pier in Baltimore, Maryland since June 1988. Moving the Comfort to a dedicated government pier will improve force protection, provide access to military infrastructure, improve quality of life for the crew and generate cost savings.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>The USNS Comfort will not be able to berth at NSN. Force protection for the USNS Comfort will continue to be substandard. Quality of life for the crew will continue to be less than desirable.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2008
(B) Date 35% Design or Parametric Cost Estimate complete				01/2009
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				45%
(E) Percent completed as of January 2010				70%
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$450
(B) All other design costs				\$150
(C) Total				\$600
(D) Contract				\$500
(E) In-house				\$100
4. Contract award:				12/2010
5. Construction start:				04/2011

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title Pier 1 Upgrades to Berth USNS Comfort	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P862	8. Project Cost (\$000) 10,035	
6. Construction complete:				04/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp or Requested Cost (\$000)</u>		
Collateral Equipment		OMN	2012	500
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Robert L. Butters, P.E.		Phone No: (757) 445-3146		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title Pier 1 Upgrades to Berth USNS Comfort	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P862	8. Project Cost (\$000) 10,035	
<p>Blank Page</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM							2. Date 01 FEB 2010		
3. Installation and Location: N32443 NSA NORFOLK NAVY SHIPYARD PORTSMOUTH, VIRGINIA					4. Command Commander Navy Installations Command			5. Area Const Cost Index .96		
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-09	185	1624	7823	0	0	0	193	2618	0
B. End FY 2014	214	1853	7823	0	0	0	209	3337	0	13436
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(1305 Acres)										
B. INVENTORY AS OF 30 SEP 2009										2,799,237
C. AUTHORIZATION NOT YET IN INVENTORY										34,952
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										0
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										73,113
F. PLANNED IN NEXT THREE PROGRAM YEARS										13,869
G. REMAINING DEFICIENCY										508,403
H. GRAND TOTAL										3,529,574
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>					
15150	Ship Repair Pier Replacement Inc 2 of 2	08/2008	01/2010	747 mB	100,000					
TOTAL										100,000
9. Future Projects:										
A. Included In The Following Program:										
21365 Controlled Industrial Facility										73,113
TOTAL										73,113
B. Major Planned Next Three Years:										
61010 Engineering Management Building Modernization										13,869
TOTAL										13,869
C. R&M Unfunded Requirement (\$000):										746,930
10. Mission or Major Functions:										
Provide logistic support for assigned ships and service craft. Perform authorized work in connection with construction, conversion, overhaul, repair, alteration, dry docking, and outfitting of ships and craft, as assigned. Perform manufacturing, research, development and test work, as assigned. Perform services and material to other activities and units, as directed by competent authority.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement (*):										0
B. Occupational Safety and Health(OSH) (#):										0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N32443 NSA NORFOLK NAVY SHIPYARD PORTSMOUTH, VIRGINIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .96

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N32443 NSA NORFOLK NAVY SHIPYARD PORTSMOUTH, VIRGINIA			4. Project Title Ship Repair Pier Replacement Inc 2	
5. Program Element 0203176N	6. Category Code 15150	7. Project Number P516A	8. Project Cost (\$000) 100,000	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SHIP REPAIR PIER REPLACEMENT INC 2 (2,451 FB)	mB	747		157,760
SUBSTRUCTURE (2,451 FB)	mB	747	133,290	(99,570)
EARTHWORK	LS			(15,110)
SUPERSTRUCTURE	LS			(14,370)
BERTH 25	LS			(4,520)
PRIMARY ELECTRICAL	LS			(18,720)
MOBILIZATION / DEMOBILIZATION	LS			(2,740)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(260)
SPECIAL COSTS	LS			(2,470)
SUPPORTING FACILITIES				46,740
SPECIAL COST	LS			(5,630)
ELECTRICAL UTILITIES	LS			(6,010)
DEMOLITION	LS			(13,200)
DREDGING	LS			(14,410)
MECHANICAL UTILITIES	LS			(7,490)
SUBTOTAL				204,500
CONTINGENCY (5%)				10,230
TOTAL CONTRACT COST				214,730
SIOH (5.7%)				12,240
SUBTOTAL				226,970
TOTAL REQUEST ROUNDED				226,970
TOTAL REQUEST				226,969
10. Description of Proposed Construction:				
<p>Construct a new ship repair pier. Replace the existing bulkhead with new low-level relieving platform with mechanical and electrical shore-tie stations. New pier will accommodate all current and future classes of ships including CVN, CVN21, LPD-17, LH series, and DD21. The new pier will also include a restroom at Pier 5 and a restroom at Pier 3, heavy weather mooring at Pier 5 and at Pier 3, replacement of the Pier 3 salt water pump station and portal crane rail track.</p> <p>Mobilization/demobilization is required for the large equipment staging. Site preparation will consist of dredging the area (Pier 3 to Pier 6) to a</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N32443 NSA NORFOLK NAVY SHIPYARD PORTSMOUTH, VIRGINIA			4. Project Title Ship Repair Pier Replacement Inc 2	
5. Program Element 0203176N	6. Category Code 15150	7. Project Number P516A	8. Project Cost (\$000) 100,000	
<p>depth of 14.33 m + 0.6 m, (47' + 2').</p> <p>The utility system will include: mechanical systems (steam, low pressure compressed air, fresh water, salt water (including a salt water pump for fire protection, cooling, and flushing), storm water, sanitary sewer, and oily waste water collection), electrical systems (installation of underground 34.5 kV primary distribution at Pier 5, 13.8 kV and 4160 V secondary pier power and transformers with dual voltage switchgear at Pier 5 and Pier 3 and 480 V shore-tie and industrial power distribution system at Pier 5), pier fire alarm, utility control system, lighting, and communications (fiber optics lines for telephones, television, and local area networks).</p> <p>The project includes the environmental release of Piers 4 and 5. Since this project is located in the controlled industrial area, it costs more to do business. Typical business costs that increase cost to the project include nuclear and operation drills, time spent going through controlled industrial area security screening, vehicle inspections prior to entry and exit, time to comply with special work procedures, and accommodating restricted lay-down space. Demolish existing Piers 4 (609.6m2), Pier 5 (609.6m2), Berth 25 (88.4 m2), Berth 31 (97.6m2), Berth 37 (102.1m2) and Building #225 (300.3 m2).</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project.</p>				
11. Requirement: <u>4,450</u> <u>FB</u> Adequate: <u>0</u> <u>FB</u> Substandard: <u>2,000</u> <u>FB</u>				
PROJECT: Construct a ship repair pier capable of full depot level maintenance and demolish existing berthing at Piers 4 and 5. The new repair pier will be strategically located at the center of the wetslip and will accommodate all current and future classes of ships.				
(Current Mission)				
REQUIREMENT: Norfolk Naval Shipyard (NNSY) is the primary East Coast depot level maintenance and repair site for all classes of Navy ships. Depot level maintenance is material maintenance or repair requiring the overhaul, upgrading or rebuilding of CVNs, LHA/LHDs, and submarines. NNSY must be capable of simultaneously berthing/drydocking four large deck ships and				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N32443 NSA NORFOLK NAVY SHIPYARD PORTSMOUTH, VIRGINIA			4. Project Title Ship Repair Pier Replacement Inc 2	
5. Program Element 0203176N	6. Category Code 15150	7. Project Number P516A	8. Project Cost (\$000) 100,000	
<p>three submarines. This requirement is based on past history and future workload.</p> <p>NNSY is the nation's oldest shipyard, and as such, has an increasingly aging infrastructure. Piers 3, 4, 5, and 6 are beyond their useful life. Pier 3 has failed and is being replaced. The risk of catastrophic failure increases with time, therefore the delay of this pier could prevent NNSY from meeting its mission. NNSY has developed a plan to modernize its facilities. It is based on a workload developed from the NNSY projected ship repair schedule and associated future visioning for ship repair work projected out to FY 2020. One new requirement for the new class of aircraft carrier is an 34.5 KV upgraded electrical system which is included in the project and will be connected at the head of the pier. The workload involves the upgrades, repairs (scheduled and emergency), and improvements on CVNs, large deck amphibious assault ships, and submarines that are required to maintain the fleet during normal and wartime operations. The NNSY Waterfront Development Plan re-capitalizes vital shipyard repair piers and modernizes the only East Coast public CVN dry dock. This project is Phase 3 of the Waterfront Development Plan and is necessary to ensure fleet readiness.</p> <p>Another benefit of this project is the reduction in maintenance costs by reducing the waterfront infrastructure by one pier while at the same time transferring capability to the heart of the shipyard production area by allowing two carriers to be simultaneously docked at the new pier.</p> <p>CURRENT SITUATION:</p> <p>Piers 4 and 5 were built in the early 1900's. They have been used to repair all classes of naval vessels. Pier 4 and Pier 5 are extremely deteriorated. There are deteriorated fasteners and sinkhole development along the bulkhead. In addition, due to the existing layout of the NNSY waterfront, Pier 5 can only berth one carrier at a time. The current piers are inefficient and carriers can not be simultaneously berthed on each side. The infrastructure does not have the structural and utility system capacities to meet the current and future requirements for all classes of naval vessels. The lack of utility troughs increases the risk of a crane accident since temporary services are located on the pier and must cross over the crane rail. Mechanical and electrical utilities do not meet current code requirements.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>The piers at NNSY are beyond their useful life. Failure has already occurred at Pier 3, another shipyard repair pier with similar construction type and age at Norfolk Naval Shipyard. The risk of catastrophic failure</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N32443 NSA NORFOLK NAVY SHIPYARD PORTSMOUTH, VIRGINIA			4. Project Title Ship Repair Pier Replacement Inc 2	
5. Program Element 0203176N	6. Category Code 15150	7. Project Number P516A	8. Project Cost (\$000) 100,000	
<p>of Piers 4 and 5 increases with time, therefore delaying re-capitalization could prevent NNSY's ability to execute the current and future workload. NNSY will not be able to support the full repair schedule of CVN/CVN21 if Piers 4 and 5 fail. Without these key waterfront structures, NNSY cannot meet its mission of ship repair and maintenance to keep the fleet safe, effective, and able to support the Fleet.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2008
(B) Date 35% Design or Parametric Cost Estimate complete				01/2009
(C) Date design completed				01/2010
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$5,500
(B) All other design costs				\$3,000
(C) Total				\$8,500
(D) Contract				\$7,700
(E) In-house				\$800
4. Contract award:				05/2010
5. Construction start:				08/2010
6. Construction complete:				08/2013
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Authorization and Appropriation Summary				
	Authorization	Appropriation	Auth for Approp.	
FY 2010 Approved by Congress	\$226,969K	\$126,969K	\$126,969K	
FY 2011 Request	\$0K	\$100,000K	\$100,000K	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N32443 NSA NORFOLK NAVY SHIPYARD PORTSMOUTH, VIRGINIA			4. Project Title Ship Repair Pier Replacement Inc 2	
5. Program Element 0203176N	6. Category Code 15150	7. Project Number P516A	8. Project Cost (\$000) 100,000	
Activity POC: _____ Phone No: _____				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N32443 NSA NORFOLK NAVY SHIPYARD PORTSMOUTH, VIRGINIA			4. Project Title Ship Repair Pier Replacement Inc 2	
5. Program Element 0203176N	6. Category Code 15150	7. Project Number P516A	8. Project Cost (\$000) 100,000	
<p>Blank Page</p>				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA				4. Command Commandant of the Marine Corps			5. Area Const Cost Index 1.05				
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		141	1042	1168	2824	877	1876	1752	3043	3413	16136
B. End FY 2014		131	982	1168	2824	877	1876	1540	2735	3414	15547
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(60314 Acres)											
B. INVENTORY AS OF 30 SEP 2009											3,321,299
C. AUTHORIZATION NOT YET IN INVENTORY											218,209
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											143,632
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											44,275
F. PLANNED IN NEXT THREE PROGRAM YEARS											112,287
G. REMAINING DEFICIENCY											370,944
H. GRAND TOTAL											4,210,646
8. Projects Requested In This Program											
<u>Cat</u>						<u>Design Status</u>					<u>Cost</u>
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>		<u>(\$000)</u>			
17120	Research Center Addition, MCU	08/2009	07/2010		0 LS		37,920				
72411	Student Officer Quarters, The Basic School	09/2009	06/2010		8572 m2		55,822				
72124	Bachelor Enlisted Quarters, WTBN	11/2009	05/2010		6375 m2		37,810				
17110	Academic Facility Addition, SNCOA	12/2009	12/2010		1395 m2		12,080				
										TOTAL	143,632
9. Future Projects:											
A. Included In The Following Program:											
17671 Construct 155MM Gun Position 31											2,275
74076 Academic Support Instruction Facility											42,000
										TOTAL	44,275
B. Major Planned Next Three Years:											
72411 Student Quarters, The Basic School, Phase 6											31,456
72124 Bachelor Enlisted Quarters, MCAF Quantico											28,845
61010 Support Facility Replacement, MSGBN											9,986
74076 Academic Support Instruction Facility											42,000
										TOTAL	112,287
C. R&M Unfunded Requirement (\$000):											66,543
10. Mission or Major Functions:											
The installation mission is to maintain and operate facilities and provide services and material to support the Marine Corps Combat Development Command, the Marine Corps Air Facility Quantico, and other activities and units designated by the Commandant of the Marine Corps.											
The mission of the Marine Corps Combat Development Command is to develop											

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.05
Marine Corps warfighting concepts and to determine associated required capabilities in the areas of doctrine, organization, training and education, equipment, and support facilities to enable the Marine Corps to field combat-ready forces; and to participate in and support other major processes of the combat development system.		
11. Outstanding Pollution and Safety Deficiencies (\$000):		
A. Pollution Abatement (*):		0
B. Occupational Safety and Health(OSH) (#):		0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Research Center Addition - MCU	
5. Program Element 0815796M	6. Category Code 17120	7. Project Number P541	8. Project Cost (\$000) 37,920	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
RESEARCH CENTER ADDITION - MCU	LS			29,820
BASIC WING BUILDING (48,556 SF)	m2	4,511	2,772.22	(12,510)
STRUCTURED PARKING	EA	460	26,165.4	(12,040)
BUILT-IN EQUIPMENT	LS			(310)
LEED AND EPACT 2005 COMPLIANCE	LS			(1,800)
SPECIAL COSTS	LS			(320)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(420)
INFORMATION SYSTEMS	LS			(1,370)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1,050)
SUPPORTING FACILITIES				3,160
ELECTRICAL UTILITIES	LS			(870)
SPECIAL CONSTRUCTION FEATURES	LS			(700)
PAVING AND SITE IMPROVEMENTS	LS			(180)
MECHANICAL UTILITIES	LS			(1,300)
ANTI-TERRORISM/FORCE PROTECTION	LS			(110)
SUBTOTAL				32,980
CONTINGENCY (5%)				1,650
TOTAL CONTRACT COST				34,630
SIOH (5.7%)				1,970
SUBTOTAL				36,600
DESIGN/BUILD - DESIGN COST				1,320
TOTAL REQUEST ROUNDED				37,920
TOTAL REQUEST				37,920
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(9,936)
10. Description of Proposed Construction:				
<p>This project constructs a multi-story, 4,524 M2 / 48,700 SF addition to the Marine Corps Research Center to support the missions of the Archival and History Divisions of the Marine Corps University. The project will consist of: archival wing with digitized paper, film, and photograph storage; network access; continuing education student research areas; 300 student</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Research Center Addition - MCU	
5. Program Element 0815796M	6. Category Code 17120	7. Project Number P541	8. Project Cost (\$000) 37,920	
<p>out by the Marine Corps University Master Plan Update (June, 2009). The parking deck will therefore replace the existing parking that will be lost during the redevelopment of the MCU Campus.</p> <p>CURRENT SITUATION:</p> <p>The missions of the Archives and History Division have evolved over time. This evolution is due to increasing resources that need to be stored to serve the Marine Corps University and the increased responsibilities of these divisions. The Archives Division receives new materials on a regular basis through various means including donations. The History Division has a new responsibility to publish periodicals related to USMC History for the entire Corps. The current facilities used by the History and Archives Divisions are substandard and not appropriate to store historical documents. Older facilities such as the basement of Breckenridge Hall serve as document storage facilities and are rapidly approaching capacity. Environmental problems within these facilities such as lacking temperature and humidity control hamper operations and preservation initiatives. The History Division also uses deteriorating facilities at Marine Corps University, Quantico that pose a threat to document storage and preservation. In conjunction with environmental issues, there are also space issues. There is currently no room available for students to search the catalog and download documents from the digitized archival collection. In addition, there is currently a parking shortfall of 180 spaces at the research center. Finally, the pending implementation of the Master Plan means that the existing parking will soon be demolished and will require replacement.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If this Archival Wing is not provided, thousands of historic videotapes, photographic slides, and films - to include actual footage of the Iwo Jima flag raising - will continue to deteriorate. In addition, students, instructors, and other patrons will continue to be hindered in their ability to conduct research necessary to the university's professional military education programs. Finally, there will be insufficient parking to accommodate students, faculty, staff and visitors to the Gray Research Center.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				07/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				35%

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Research Center Addition - MCU	
5. Program Element 0815796M	6. Category Code 17120	7. Project Number P541	8. Project Cost (\$000) 37,920	
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				
(B) All other design costs				
(C) Total		\$0		
(D) Contract				
(E) In-house				
4. Contract award:		01/2011		
5. Construction start:		06/2011		
6. Construction complete:		06/2013		
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment	O&MMC	2013	9,936	
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.				
Activity POC: Richard A. Reisch		Phone No: (703) 784-5490		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264(AB) MARINE CORPS BASE QUANTICO (CAMP BARRETT) QUANTICO, VIRGINIA			4. Project Title Student Officer Quarters - The Basic School	
5. Program Element 0805796M	6. Category Code 72411	7. Project Number P566	8. Project Cost (\$000) 55,822	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
STUDENT OFFICER QUARTERS - THE BASIC SCHOOL (92,268 SF)	m2	8,572		39,530
BOQ (88,802 SF)	m2	8,250	2,576.31	(21,250)
COMPANY ADMIN (3,466 SF)	m2	322	3,166.23	(1,020)
LEED AND EPACT 2005 COMPLIANCE	LS			(4,330)
INFORMATION SYSTEMS	LS			(870)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(380)
SPECIAL COSTS	LS			(3,840)
ANTI-TERRORISM/FORCE PROTECTION	LS			(590)
BUILT-IN EQUIPMENT	LS			(7,250)
SUPPORTING FACILITIES				9,010
PAVING AND SITE IMPROVEMENTS	LS			(1,210)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
MECHANICAL UTILITIES	LS			(3,130)
ELECTRICAL UTILITIES	LS			(520)
SITE PREPARATIONS	LS			(2,190)
LEED AND FEDERAL ENERGY ACTS COMPLIANCE	LS			(1,940)
SUBTOTAL				48,540
CONTINGENCY (5%)				2,430
TOTAL CONTRACT COST				50,970
SIOH (5.7%)				2,910
SUBTOTAL				53,880
DESIGN/BUILD - DESIGN COST				1,940
TOTAL REQUEST ROUNDED				55,820
TOTAL REQUEST				55,822
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(10,284)
10. Description of Proposed Construction:				
Project constructs a multi-story, high-rise, reinforced concrete masonry building with concrete foundation and floors, concrete masonry unit interior walls, Georgian-style cast stone and brick veneer, and standing				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264(AB) MARINE CORPS BASE QUANTICO (CAMP BARRETT) QUANTICO, VIRGINIA			4. Project Title Student Officer Quarters - The Basic School	
5. Program Element 0805796M	6. Category Code 72411	7. Project Number P566	8. Project Cost (\$000) 55,822	
<p>seam metal roof over structural steel framing. The building will provide 125 modules in a modified 2+0 configuration. Double locks will be required in order to adequately secure weapons. Five modules will house a Company administrative facility which will include demountable partition systems for staff offices.</p> <p>Built in Equipment includes Modular Lightweight Load-Carrying Equipment Gear storage rack system and ventilation system, weapons locker, passenger/equipment elevators and wash racks.</p> <p>Utility connections to the site and building include water, sanitary and storm sewers, HVAC, electrical, and cable television. Telephone and local area networks will be provided for both government and commercial line capability.</p> <p>Site improvements include paved parking, sidewalks, roadway access and landscaping. As part of site development efforts, wetlands mitigation will be performed. The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project. Examples include: photovoltaic materials, high-efficiency utility systems, and native/low water landscaping.</p> <p>Operation and maintenance support information, environmental mitigation, and demolition of an existing barracks wing will be included. The project will be consistent with the existing 2000 series barracks on base per the Base Exterior Architecture Plan.</p> <p>The project demolishes the Service, C, and E wings of Building 24165 (4,380 m2 / 47,146 sf). This is O'Bannon Hall, current housing for The Basic School.</p>				
11. Requirement: <u>8,572 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: Provide adequate housing for 250 newly commissioned officers undergoing initial training at The Basic School (TBS), Quantico, Virginia. (Current Mission)				
REQUIREMENT: All newly commissioned officers and warrant officers are required to train at TBS. On average, there are 1,415 students present at the school. Maximum loading due to schedule method increases this total to 1,650				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264(AB) MARINE CORPS BASE QUANTICO (CAMP BARRETT) QUANTICO, VIRGINIA			4. Project Title Student Officer Quarters - The Basic School	
5. Program Element 0805796M	6. Category Code 72411	7. Project Number P566	8. Project Cost (\$000) 55,822	
<p>students. This projects provides barracks spaces for these officers. The barracks include many items such as wash racks, equipment storage and special ventilation systems for the equipment that are specifically required at The Basic School.</p> <p>CURRENT SITUATION:</p> <p>O'Bannon Hall is the resident facility currently used by TBS students. The building is over 50 years old and is showing signs of structural failure. Parts of the building are settling resulting in wall and floor damage. There is mold throughout the building due to moisture problems and failing utility systems.</p> <p>On average, TBS staff will have three officers share a room designed for two. Graves Hall is another resident facility used by TBS. In this building they house two to three officers in a room designed for one. During the school's annual three-month surge period, when the student population is about 1,650, TBS will house an additional student in each room scenario.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Deferral of this project will cause overcrowding to continue, adversely impacting morale and the Marine Corps' ability to attract and retain highly qualified officers. The Minimum Standards of Adequacy will never be achieved without the construction of this facility.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2009
(B) Date 35% Design or Parametric Cost Estimate complete				03/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$800
(B) All other design costs				\$100
(C) Total				\$900
(D) Contract				\$820

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264(AB) MARINE CORPS BASE QUANTICO (CAMP BARRETT) QUANTICO, VIRGINIA			4. Project Title Student Officer Quarters - The Basic School	
5. Program Element 0805796M	6. Category Code 72411	7. Project Number P566	8. Project Cost (\$000) 55,822	
(E) In-house				\$80
4. Contract award:				11/2010
5. Construction start:				02/2011
6. Construction complete:				12/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp or Requested Cost (\$000)</u>		
Colateral Equipment		O&MMC	2011	10,284
C. FY 2009 R&M Conducted (\$000):				
D. FY 2010 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Richard A. Reisch			Phone No: 703-784-5490	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Bachelor Enlisted Quarters - WTBN	
5. Program Element 0805796M	6. Category Code 72124	7. Project Number P599	8. Project Cost (\$000) 37,810	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BACHELOR ENLISTED QUARTERS - WTBN (68,620 SF)	m2	6,375		23,790
BACHELOR ENLISTED QUARTERS (68,620 SF)	m2	6,375	2,216.75	(14,130)
SPECIAL COSTS	LS			(3,890)
LEED AND EPACK 2005 COMPLIANCE	LS			(2,960)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(220)
INFORMATION SYSTEMS	LS			(690)
BUILT-IN EQUIPMENT	LS			(1,540)
ANTI-TERRORISM/FORCE PROTECTION	LS			(360)
SUPPORTING FACILITIES				9,090
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
DEMOLITION	LS			(850)
PAVING AND SITE IMPROVEMENTS	LS			(2,110)
MECHANICAL UTILITIES	LS			(2,160)
ELECTRICAL UTILITIES	LS			(570)
LEED AND FEDERAL ENERGY ACTS COMPLIANCE	LS			(570)
SPECIAL FOUNDATION FEATURES	LS			(890)
SITE PREPARATIONS	LS			(1,920)
SUBTOTAL				32,880
CONTINGENCY (5%)				1,640
TOTAL CONTRACT COST				34,520
SIOH (5.7%)				1,970
SUBTOTAL				36,490
DESIGN/BUILD - DESIGN COST				1,320
TOTAL REQUEST ROUNDED				37,810
TOTAL REQUEST				37,810
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(7,195)
10. Description of Proposed Construction:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Bachelor Enlisted Quarters - WTBN	
5. Program Element 0805796M	6. Category Code 72124	7. Project Number P599	8. Project Cost (\$000) 37,810	
<p>Construct a high rise multi-story Bachelor Enlisted Quarters (BEQ) with a masonry wall system, concrete pile foundation, slab on grade and elevated concrete slabs, steel frame structural frame, concrete masonry unit interior walls, Georgian-styled cast stone and brick veneer, standing seam metal roof over structural steel framing, and lightning protection. The facility includes 150 rooms (300 man spaces) in the standard military 2+0 room configuration with semi-private bathrooms, walk-in closets, and ceiling fans. Community and service core areas consist of a passenger/freight elevator, laundry facilities, lounges, administrative offices, housekeeping areas, public restrooms, information systems, HVAC, fire protection and alarm systems, electrical power distribution, lighting, and utility development.</p> <p>The project will conform to anti-terrorism/force protection standards and follow LEED and Federal Energy Acts compliance criteria for design, development, and construction of the project. Sustainable planning will consider items such as building orientation/site analysis, and low water landscape features. Building design features will include maximum use of day light within the building, photovoltaic materials for energy use, high efficiency mechanical systems, and controlled interior lighting. Sustainable construction will incorporate the use of recyclable, regional, and non-toxic building materials.</p> <p>Soil conditions are not adequate for standard foundation systems, therefore, structural pile foundations will be used. Site alterations include utility upgrades, connections and relocations. Other alterations include service roads, parking lots, sidewalks, exterior security lighting, site amenities, and landscaping. The project will include the demolition of Whaling Hall, Building 27266, 2,829 m2 (30,450 sf).</p>				
11. Requirement: <u>3,056 MS</u> Adequate: <u>2,216 MS</u> Substandard: <u>0 MS</u>				
PROJECT: This project provides 150 room/300 living spaces for bachelor enlisted personnel attached to Marine Corps Base (MCB) Quantico, Virginia. (Current Mission)				
REQUIREMENT: This project is needed to provide billeting which meets quality of life standards for permanent party enlisted personnel at MCB Quantico. This project also supports the Commandant of the Marine Corps goal to replace all inadequate bachelor quarters with the new 2+0 configured barracks.				
CURRENT SITUATION:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Bachelor Enlisted Quarters - WTBN	
5. Program Element 0805796M	6. Category Code 72124	7. Project Number P599	8. Project Cost (\$000) 37,810	
<p>Enlisted Marines at Quantico are currently billeted in 2+0 configured BEQ, B27266, Whaling Hall. The foundation of this BEQ was not properly constructed for the type of soils located in this area, resulting in a sinking building. Evidence can be seen in the walls and floors. Building settlement is causing the walls and floors to crack and shift, making the building unfit for billeting. These conditions severely impact the quality of life and morale of the personnel assigned to the Weapons and Training Battalion at the Basic School.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Deferral of this project will result in the continued use of inadequate facilities to house enlisted Marines. This will seriously affect the morale of the enlisted Marines and make it more difficult for the Marine Corps to motivate and retain these specially selected, highly skilled, and experienced leaders.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				11/2009
(B) Date 35% Design or Parametric Cost Estimate complete				02/2010
(C) Date design completed				05/2010
(D) Percent completed as of September 2009				0%
(E) Percent completed as of January 2010				30%
(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				Yes
(B) Where design was previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$134,520
(B) All other design costs				\$44,840
(C) Total				\$179,360
(D) Contract				\$140,360
(E) In-house				\$39,000
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				12/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Bachelor Enlisted Quarters - WTBN	
5. Program Element 0805796M	6. Category Code 72124	7. Project Number P599	8. Project Cost (\$000) 37,810	
Collateral Equipment		O&MMC	2011	7,195
C. FY 2009 R&M Conducted (\$000):				1,600
D. FY 2010 R&M Conducted (\$000):				606
E. Future R&M Requirements (\$000):				1,252
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Marine Corps requirements.				
Activity POC: RICHARD REISCH			Phone No: 703-784-5490	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Academic Facility Addition - SNCOA	
5. Program Element 0815796M	6. Category Code 17110	7. Project Number P615	8. Project Cost (\$000) 12,080	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ACADEMIC FACILITY ADDITION - SNCOA (15,016 SF)	m2	1,395		9,140
SNCO ACADEMIC FACILITY (15,016 SF)	m2	1,395	3,270.27	(4,560)
PCAS	LS			(120)
INFORMATION SYSTEMS	LS			(310)
LEED AND EPACT 2005 COMPLIANCE	LS			(630)
BUILT-IN EQUIPMENT	LS			(2,350)
ANTI-TERRORISM/FORCE PROTECTION	LS			(940)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(230)
SUPPORTING FACILITIES				1,360
DEMOLITION	LS			(150)
PAVING AND SITE IMPROVEMENTS	LS			(750)
ELECTRICAL UTILITIES	LS			(210)
MECHANICAL UTILITIES	LS			(190)
SITE PREPARATIONS	LS			(60)
SUBTOTAL				10,500
CONTINGENCY (5%)				530
TOTAL CONTRACT COST				11,030
SIOH (5.7%)				630
SUBTOTAL				11,660
DESIGN/BUILD - DESIGN COST				420
TOTAL REQUEST ROUNDED				12,080
TOTAL REQUEST				12,080
10. Description of Proposed Construction:				
<p>This project, constructs a multi-story brick-faced, cast stone, Georgian-style addition to Bldg 3007 to match existing architectural plan, with structural steel frame, standing seam metal roof and brick veneer. Special costs include reinforced concrete slab-on-grade, elevated reinforced concrete slabs, spread footing foundation, and a simulation laboratory. Built in equipment includes a freight/passenger elevator, sound-proof walls, kitchen/break room, bleachers and electronic classroom computer stations. Electrical systems include fire alarms and information systems,</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Academic Facility Addition - SNCOA	
5. Program Element 0815796M	6. Category Code 17110	7. Project Number P615	8. Project Cost (\$000) 12,080	
<p>to include local area network. Mechanical systems include energy monitoring and control system, carbon dioxide system for simulators, electrical and fire protection systems, plumbing, and HVAC. Sustainable principles will be included in the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. Paving and site improvements include landscaping. Technical operating manuals will be provided. Anti-terrorism force protection features are also included.</p>				
<p>11. Requirement: <u>2,411 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT: Construct an addition to the academic facility constructed by FY 2007 P-519. (Current Mission)</p> <p>REQUIREMENT: Adequate facilities are required for an academic and applied instruction facility to accommodate an efficiently configured building providing staff-noncommissioned officers with functional lecture classrooms, small discussion classrooms, an electronic classroom, and a simulation laboratory for developmental and supplemental training.</p> <p>CURRENT SITUATION: The addition is required due to increased requirements. The Staff Noncommissioned Officers Academy (SNCOA) currently utilizes Buildings 3078 and 3080 on base that are circa 1930's - 1940's. Currently there is limited available space, which limits the mission of the academy to less than current mission requirements. Additionally, the spaces being used have inadequate air conditioning and heating and are undersized. The limited space, inadequate facilities, poor ventilation, and inefficient arrangement of the spaces adversely affect the morale of the students and the staff. Furthermore, existing assembly spaces do not meet current code requirements and present a safety hazard.</p> <p>IMPACT IF NOT PROVIDED: Deferral of this project will result in the continued use of substandard and inadequate instruction facilities for Staff Noncommissioned Officers's. This will adversely affect the service career and reserve training of the Marine Corps personnel. Building of this facility is essential to retain educated, highly skilled and experienced leadership at the senior enlisted level, and to support the mission of the personnel.</p>				
<p>12. Supplemental Data: A. Estimated Design Data:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Academic Facility Addition - SNCOA	
5. Program Element 0815796M	6. Category Code 17110	7. Project Number P615	8. Project Cost (\$000) 12,080	
<p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started 12/2009</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete 04/2010</p> <p>(C) Date design completed 12/2010</p> <p>(D) Percent completed as of September 2009 0%</p> <p>(E) Percent completed as of January 2010 5%</p> <p>(F) Type of design contract Design Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy Study/Life Cycle Analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design No</p> <p>(B) Where design was previously used</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications \$600</p> <p>(B) All other design costs \$150</p> <p>(C) Total \$750</p> <p>(D) Contract \$200</p> <p>(E) In-house \$550</p> <p>4. Contract award: 06/2011</p> <p>5. Construction start: 08/2011</p> <p>6. Construction complete: 12/2012</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.</p> <p>Activity POC: Richard A. Reisch Phone No: 703-784-5490</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Academic Facility Addition - SNCOA	
5. Program Element 0815796M	6. Category Code 17110	7. Project Number P615	8. Project Cost (\$000) 12,080	
<p>Blank Page</p>				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.26			
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		572	5691	2007	0	0	0	33	34	0	8337
B. End FY 2014		548	5667	2007	0	0	0	33	34	0	8289
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(8683 Acres)											
B. INVENTORY AS OF 30 SEP 2009											8,008,998
C. AUTHORIZATION NOT YET IN INVENTORY											336,607
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											76,009
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											46,699
F. PLANNED IN NEXT THREE PROGRAM YEARS											96,062
G. REMAINING DEFICIENCY											1,670,144
H. GRAND TOTAL											10,234,519
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>						
32010	CSDS-5 Laboratory Expansion, Phase 1	10/2009	01/2010	9319 m2	16,170						
81159	Waterfront Restricted Area Emergency Power	06/2009	06/2010	700 m2	24,913						
21650	Limited Area Production & /Storage Complex, Inc 7 of 7	08/2002	01/2006	16000 m2	19,116						
81159	Limited Area Emergency Power	06/2009	06/2010	350 m2	15,810						
TOTAL											76,009
9. Future Projects:											
A. Included In The Following Program:											
14347 EHW Security Force Facility											27,639
87210 Waterfront Restricted Area Vehicle Barriers											19,060
TOTAL											46,699
B. Major Planned Next Three Years:											
16910 WRA LAND/WATER INTERFACE											54,594
15120 Submarine & Ship Signature Test Pier Replacement											10,707
*21310 INTEGRATED DRY DOCK WATER TREATMENT											20,913
73025 CHARLESTON GATE ECP IMPROVEMENTS											3,963
21220 EQUIPMENT MAINTENANCE BUILDING ADDITION											5,885
TOTAL											96,062
C. R&M Unfunded Requirement (\$000):											1,339,045
10. Mission or Major Functions:											
The Mission of Naval Base Kitsap is to serve as the host command for the Navy's fleet throughout West Puget Sound and to provide base operating services, including support for both surface ships and submarines homeported at Bremerton and Bangor. NB Kitsap also provides world-class											

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.26
service, programs, and facilities that meet the needs of their hosted warfighting commands, tenant activities, crew, and employees. NB Kitsap is the largest naval organization in Navy Region Northwest and is composed of installations in Bremerton, Bangor and Keyport.		
11. Outstanding Pollution and Safety Deficiencies (\$000):		
A. Pollution Abatement (*):	20,913	
B. Occupational Safety and Health(OSH) (#):	0	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title CSDS-5 Laboratory Expansion Phase 1	
5. Program Element 0816376N	6. Category Code 32010	7. Project Number P843	8. Project Cost (\$000) 16,170	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CSDS-5 LABORATORY EXPANSION PHASE 1 (100,309 SF)	m2	9,319		13,090
BUILDING 7111	m2	1,040	3,837.10	(3,990)
CDC/MEDICAL/ADMIN/UTILITY EXPANSION (11,194 SF)				
LOGISTICS CENTER (13,498 SF)	m2	1,254	2,496.37	(3,130)
COMSUBDEVRON 5 (75,616 SF) (RENOVATE)	m2	7,025	551	(3,870)
BUILT-IN EQUIPMENT	LS			(520)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(240)
ANTI-TERRORISM/FORCE PROTECTION	LS			(660)
INFORMATION SYSTEMS	LS			(140)
LEED AND EPACT 2005 COMPLIANCE	LS			(350)
SPECIAL COSTS	LS			(190)
SUPPORTING FACILITIES				980
DEMOLITION	LS			(50)
OUTSIDE PLANT COMMUNICATIONS	LS			(10)
SITE PREPARATIONS	LS			(20)
PAVING AND SITE IMPROVEMENTS	LS			(180)
SITE LEED AND EPACT 2005 COMPLIANCE	LS			(200)
ELECTRICAL UTILITIES	LS			(180)
ANTI-TERRORISM/FORCE PROTECTION	LS			(130)
MECHANICAL UTILITIES	LS			(210)
SUBTOTAL				14,070
CONTINGENCY (5%)				700
TOTAL CONTRACT COST				14,770
SIOH (5.7%)				840
SUBTOTAL				15,610
DESIGN/BUILD - DESIGN COST				560
TOTAL REQUEST ROUNDED				16,170
TOTAL REQUEST				16,170

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title CSDS-5 Laboratory Expansion Phase 1	
5. Program Element 0816376N	6. Category Code 32010	7. Project Number P843	8. Project Cost (\$000) 16,170	
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(850)
10. Description of Proposed Construction:				
<p>This project is located in Bangor, WA.</p> <p>Construct stand-alone Logistics Support Center (LSC) and a two story addition to building 7111 supporting a Consolidated Data Center (CDC) to meet secure/classified facility requirements. Project modifies and consolidates administration/medical offices and provides addition/upgrades to the existing electrical and mechanical systems in building 7111. New and reconfigured space provides appropriate joint use of secure mission functions along with providing relocation of functions that do not require a secure/classified location.</p> <p>LSC single story steel structure will consist of a shipping/receiving area, covered loading dock, hazardous material storage, battery storage and maintenance, wood/engraving shops, logistics and purchasing space, supply offices and organizational support storage.</p> <p>The CDC and administration/medical/utility constructs an addition on building 7111. The ground floor includes the CDC, administration and medical offices. The second level will provide administrative space used to support project teams. The CDC portion will include space for secure computers and network servers, the telephone network, IT work area and storage, IT administration and contractor offices. Individual servers from existing building 7111 will be consolidated into this space. Medical facilities will include doctors' office space, staff offices, exam rooms, records room, specimen room and waiting area.</p> <p>Building 7111 general electrical/mechanical addition and renovation upgrades will be completed in conjunction with the CDC and medical/administration expansion. The area vacated by the old shipping, receiving, logistics, supply, and the IT work area in building 7111 will be reconfigured as flexible shop and systems support space. Improvements include the consolidation of the chilled water loops in building 7111 into a single chilled water system. The heating loop will be completely replaced and expanded. A new hot water heated and chilled water cooled variable air volume rooftop units will provide HVAC to the new administrative and medical spaces. Pad mount transformers and associated panel boards will be replaced with larger units and associated new panels. Emergency power for the facility will be provided by a diesel generator with a double-wall fuel</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title CSDS-5 Laboratory Expansion Phase 1	
5. Program Element 0816376N	6. Category Code 32010	7. Project Number P843	8. Project Cost (\$000) 16,170	
<p>tank. The server room will have a new central uninterrupted power supply (UPS).</p> <p>The project will conform to anti-terrorism/force protection standards and Intelligence Community Policy Guidance (ICPG) Number 705.2 for all facility construction. LEED and Federal Energy Acts will follow compliance criteria for design, development and construction of the project.</p>				
<p>11. Requirement: <u>100,206</u> Adequate: Substandard: <u>75,612</u></p> <p>PROJECT:</p> <p>This project provides the initial infrastructure expansion of the Commander, Submarine Development Squadron-5 (CSDS-5) facilities to include a new logistics support center, an addition to building 7111 for the consolidated data center plus medical/administration space and an increased capacity of the mechanical/electrical systems in the primary laboratory facility.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>CSDS-5 is responsible for support of Undersea Warfare RDT&E for Naval Special Warfare (NSW), Unmanned Underwater Vehicles (UUVs), mine reconnaissance, including tactical development in the areas of escape, rescue, diving. This includes developing and testing new tactics and systems for incorporation with the submarine force. The new research "S" system is scheduled for arrival in 2011 requiring additional shop space requirements and personnel while also maintaining the existing "B" system.</p> <p>CSDS-5 serves as the Immediate Superior In Command (ISIC) to three SSN's homeported in northwest.</p> <p>Spaces supporting CSDS-5 are classified and unclassified. Separation of these two functions ensure personnel that are not cleared for classified information do not restrict or interrupt classified efforts.</p> <p>CSDS-5 requires a medical group to support undersea research operations 340 assigned personnel including staff, undersea detachments and submarine personnel.</p> <p>Relocating unclassified operations outside of classified facilities increase efficiency and provide additional classified space for</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title CSDS-5 Laboratory Expansion Phase 1	
5. Program Element 0816376N	6. Category Code 32010	7. Project Number P843	8. Project Cost (\$000) 16,170	
<p>new/efficient/increased operations.</p> <p>Upgraded and expanded mechanical and electrical systems are required to optimize energy conservation and to support current and future RDT&E missions.</p> <p>CURRENT SITUATION:</p> <p>The primary facility for CSDS-5 Laboratory functions is located in building 7111/ 7111E.</p> <p>The existing unclassified logistics function is located inside the main laboratory facility (7111) between the classified high bays and shops. They provide shipping/receiving, supply storage and sorting for CSDS-5. Their functions are approximately 54 percent undersized including inadequate shipping/receiving, storage for large, short-term pickup items, storage for hazardous waste materials and covered loading docks. With the planned arrival of a new RDT&E system in 2011, there will be an increased requirement for secure space in the industrial core of building 7111.</p> <p>The telephone and computer networks have changed significantly since the construction of Building 7111. The current systems have grown incrementally over the years, with a complex array of individual server rooms, data lines, telephone (PBX) panels and distribution lines throughout the building. Approximately 50 server cabinets are dispersed throughout buildings 7111 and 7114 at nine different sites. There is a significant need for a coordinated system with a dedicated data center and supporting backbone of fiber data lines. The existing system is inefficient and significantly less secure than a single, consolidated center with single-point access control. Modern fiber-based systems allow for the establishment of a single, consolidated data center.</p> <p>The current administration (NI) and medical spaces are located throughout building 7111 and 7114. The administrative functions including security, various departments and classification levels are scattered throughout the buildings. There is an FY 2009 Lab Revitalization project (\$1.2M RDT&E funded) underway to provide an addition to Building #7114 for the Navy Specialized Research Diving Detachment. The medical spaces are located in adapted spaces that were not optimized for medical support. Spaces lack waiting areas, dedicated exam rooms, secure file storage and dedicated specimen areas. The need to provide services to squadron staff, SSN crew, Specialized Research Diving Detachment, and other new personnel has added to the growing inadequacy of the existing facilities.</p>				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM		2. Date 01 FEB 2010	
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title CSDS-5 Laboratory Expansion Phase 1		
5. Program Element 0816376N	6. Category Code 32010	7. Project Number P843	8. Project Cost (\$000) 16,170		
<p>The existing service #2 (500 KVA) and #3 (750 KVA) power distribution system in building 7111/7111E is at or near capacity. The system will need upgrades to meet new system needs. Power distribution for the building 7111E high bay is inadequate, as indicated by logged readings at the existing switchboards. At peak times, readings indicate the service #3 transformer is near capacity or being exceeded. The existing service #1 (1000 KVA) transformer and associated service is underutilized and will have sufficient capacity to accommodate the additional load for a central heating and cooling plant.</p> <p>The heating loop for the first and second floors of the administrative wing is significantly corroded and reoccurring maintenance is increasing. A complete replacement is required.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>CSDS-5 will require increased, inefficient special projects in order to meet telecommunications and computer infrastructure requirements as well as the procurement of temporary classified facilities. In addition, lack of execution could result in one of the following; earlier inactivation of the "B" system, the "S" system needing to relocate outside of the Northwest or a delay in the "S" system rollout.</p>					
12. Supplemental Data:					
A. Estimated Design Data:					
1. Status:					
(A) Date design or Parametric Cost Estimate started					10/2009
(B) Date 35% Design or Parametric Cost Estimate complete					10/2009
(C) Date design completed					01/2010
(D) Percent completed as of September 2009					0%
(E) Percent completed as of January 2010					10%
(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					
(B) Where design was previously used					
3. Total Cost (C) = (A) + (B) = (D) + (E):					
(A) Production of plans and specifications					\$350
(B) All other design costs					\$350
(C) Total					\$700
(D) Contract					\$600
(E) In-house					\$100
4. Contract award:					06/2011
5. Construction start:					12/2011

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title CSDS-5 Laboratory Expansion Phase 1	
5. Program Element 0816376N	6. Category Code 32010	7. Project Number P843	8. Project Cost (\$000) 16,170	
6. Construction complete:				08/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
COLLATERAL EQUIPMENT	OMN	2011	500	
NGEN SEATS	OPN	2011	100	
PSE	OPN	2011	250	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Peter Fleck		Phone No: 360-315-4161		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Waterfront Restricted Area Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P910	8. Project Cost (\$000) 24,913	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
WATERFRONT RESTRICTED AREA EMERGENCY POWER (7,535 SF)	m2	700		15,160
BALLISTICALLY HARDENED GENERATOR BUILDING (7,535 SF)	m2	700	6,362	(4,450)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
INFORMATION SYSTEMS	LS			(350)
BUILT-IN EQUIPMENT	LS			(8,730)
SPECIAL COSTS	LS			(1,070)
LEED AND EPACT 2005 COMPLIANCE	LS			(470)
SUPPORTING FACILITIES				6,500
SITE PREPARATIONS	LS			(100)
SPECIAL FOUNDATION FEATURES	LS			(150)
ENVIRONMENTAL MITIGATION	LS			(60)
PAVING AND SITE IMPROVEMENTS	LS			(200)
MECHANICAL UTILITIES	LS			(1,350)
ELECTRICAL UTILITIES	LS			(1,370)
RELOCATE ELECTRICAL LINES	LS			(2,690)
SPECIAL CONSTRUCTION FEATURES	LS			(580)
SUBTOTAL				21,660
CONTINGENCY (5%)				1,080
TOTAL CONTRACT COST				22,740
SIOH (5.7%)				1,300
SUBTOTAL				24,040
DESIGN/BUILD - DESIGN COST				870
TOTAL REQUEST ROUNDED				24,910
TOTAL REQUEST				24,913
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(420)
10. Description of Proposed Construction:				
This project is located in Bangor, WA.				
Project provides emergency backup power, associated utility distribution systems and site improvements for security of the Strategic Weapons Facility Pacific, Waterfront Restricted Area (WRA).				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Waterfront Restricted Area Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P910	8. Project Cost (\$000) 24,913	
<p>Construct a ballistically hardened structure on pile foundation to house two emergency generators and provide climate controlled space for all required switchgear and generator controls. The project will include a walled courtyard, engine mufflers, cooling system and emergency fuel storage. High voltage power lines and underground power lines will be relocated to accommodate future crossing of security perimeters when required. Underground feeders will provide emergency power distribution through secure manholes and bullet resistant above-ground structures. Site improvements include an aggregate surface access roadway, paved parking and fuel loading areas and storm water drainage features.</p> <p>Increased special construction costs include: contractor delays due to emergency response and operational drills, contractor productivity lost due to personnel and vehicle inspections at the WRA entry control point, contractor productivity lost due to compliance with special work procedures (security badging), construction of traffic mitigation features (barriers, alternate routes, temporary enclave fencing, flaggers), government security escorts for the contractors for the duration of the project and development of construction material lay-down areas for off-site material, station utility connections and coordination of onsite equipment lay-down space.</p> <p>The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development and construction.</p>				
<p>11. Requirement: <u>1,869 m2</u> Adequate: <u>1,169 m2</u> Substandard:</p> <p>PROJECT:</p> <p>This project constructs a ballistically protected emergency generator facility, with two 2.17 megawatt emergency generators and makes alterations to the waterfront power distribution system to provide required secure emergency power to the WRA.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Recent major revisions to Department of Defense (DoD) instructions significantly increased security requirements to protect strategic weapons systems assets. These changes have required the construction and installation of new security facilities and systems at the waterfront. These systems require the provision of secure emergency power to comply with current security directives.</p> <p>Submarine base (SUBASE) Kings Bay, GA and Naval Base Kitsap-Bangor, WA are</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Waterfront Restricted Area Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P910	8. Project Cost (\$000) 24,913	
<p>the Navy's highest priority for the security of strategic assets. DoD instructions require a secure emergency power source to be located within the WRA.</p> <p>CURRENT SITUATION: This project is required to fully comply with revisions to DoD and Navy security directives.</p> <p>IMPACT IF NOT PROVIDED: The requirements of DoD instructions will not be satisfied. The WRA will remain at increased risk.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				06/2009
(B) Date 35% Design or Parametric Cost Estimate complete				09/2009
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				35%
(E) Percent completed as of January 2010				55%
(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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$684
(B) All other design costs				\$465
(C) Total				\$1,149
(D) Contract				\$0
(E) In-house				\$1,149
4. Contract award:				01/2011
5. Construction start:				04/2011
6. Construction complete:				10/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Collateral Equipment		OMN	2011	350
Intrusion Detection System		OPN	2011	35
NGEN		OMN	2011	35
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Waterfront Restricted Area Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P910	8. Project Cost (\$000) 24,913	
<p>joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.</p>				
Activity POC: Mel Rivera			Phone No: (703) 601-9239	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Limited Area Prod & Strg Complex, Incr 7 of 7	
5. Program Element 0212476N	6. Category Code 21650	7. Project Number P973F	8. Project Cost (\$000) 19,116	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
LIMITED AREA PROD & STRG COMPLEX, INCR 7 OF 7 (172,223 SF)	m2	16,000		212,610
PRODUCTION/STORAGE COMPLEX (172,223 SF)	m2	16,000	7,799	(124,780)
SPECIAL COSTS	LS			(76,200)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(1,970)
ANTI-TERRORISM/FORCE PROTECTION	LS			(2,470)
INFORMATION SYSTEMS	LS			(4,090)
BUILT-IN EQUIPMENT	LS			(3,100)
SUPPORTING FACILITIES				52,290
DEMOLITION	LS			(370)
ANTI-TERRORISM/FORCE PROTECTION	LS			(3,290)
ELECTRICAL UTILITIES	LS			(8,270)
SPECIAL CONSTRUCTION FEATURES	LS			(16,800)
PAVING AND SITE IMPROVEMENTS	LS			(22,970)
MECHANICAL UTILITIES	LS			(590)
SUBTOTAL				264,900
CONTINGENCY (5%)				13,250
TOTAL CONTRACT COST				278,150
SIOH (5.7%)				15,850
SUBTOTAL				294,000
TOTAL REQUEST ROUNDED				294,000
TOTAL REQUEST				293,991
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(11,939)
10. Description of Proposed Construction:				
This project is located in Bangor, WA.				
Construct a reinforced concrete, underground, multi-level re-entry body processing and storage facility. This facility includes a reinforced concrete foundation, hardened floors, and hardened load-bearing walls and roof. The existing Limited Area (LA) perimeter security zone and patrol				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Limited Area Prod & Strg Complex, Incr 7 of 7	
5. Program Element 0212476N	6. Category Code 21650	7. Project Number P973F	8. Project Cost (\$000) 19,116	
<p>roads will be expanded to encompass the new Limited Area Production and Storage Complex (LAPSC). Portions of the existing LA perimeter will be demolished to provide new access roads. New security guard towers will be constructed. Work will be conducted in the very high security Strategic Weapons Facility Pacific (SWFPAC) Limited Area. Anti-Terrorism/Force Protection features are included.</p> <p>Built-in equipment includes adjustable dock levelers, seven 2-ton bridge crane supports and three elevators. Special costs include seismic construction structural excavation, special foundations and blast features, earth cover, lightweight concrete weapons isolation component separation wall storage areas and a thick slab-on-grade above the underground structure.</p> <p>Work includes special foundations, underground electrical and mechanical systems, emergency generator in a hardened shelter, lightning protection and communications. Special construction features include the requirement to pass through security screening prior to entrance and exit, the requirement to furnish escorts, the loss of time due to security and operational drills, the need to construct temporary enclave fencing, the requirement to keep the existing Limited Area in operation during construction and sustainable development features. Sustainable development criteria will be integrated into the design, development, and construction of the project.</p> <p>Demolition includes 2,630 m2 of existing inadequate re-entry buildings (Buildings 6007 and 6595) and 5,450 m2 of existing inadequate re-entry body magazines (Buildings 6200 through 6220 inclusive, 21 magazines total).</p>				
<p>11. Requirement: <u>16,000 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT: Provide a Limited Area Production and Storage Complex (LAPSC). (Current Mission)</p> <p>REQUIREMENT: The LAPSC is required for the receipt/shipment, inspection, assembly, checkout, maintenance and storage of TRIDENT II tactical and instrumented re-entry bodies. The construction of this facility is proposed for FY2005 in support of TRIDENT II missile production.</p> <p>CURRENT SITUATION:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Limited Area Prod & Strg Complex, Incr 7 of 7	
5. Program Element 0212476N	6. Category Code 21650	7. Project Number P973F	8. Project Cost (\$000) 19,116	
<p>A TRIDENT II re-entry body receipt, shipping, processing and storage capability does not currently exist to meet projected deliveries and processing requirements.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Strategic Weapons Facility Pacific will be incapable of providing adequate re-entry body receipt, shipping, processing and storage in support of the Strategic Weapons Facility production operations. A single underground protected structure provides the most robust protection for fulfilling this mission against all threats.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2002
(B) Date 35% Design or Parametric Cost Estimate complete				01/2004
(C) Date design completed				01/2006
(D) Percent completed as of September 2009				100%
(E) Percent completed as of January 2010				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				No
(B) Where design was previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$7,067
(B) All other design costs				\$2,356
(C) Total				\$9,423
(D) Contract				\$5,889
(E) In-house				\$3,534
4. Contract award:				04/2006
5. Construction start:				07/2007
6. Construction complete:				12/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
MAINTENANCE WORKSTATIONS	WPN	2011	2,884	
SECURITY SYSTEMS, SENSORS, TOOLS, TESTING EQUIP	OMN	2011	5,056	
SECURITY SYSTEMS, WEAPONS, INTRUSION DETECTION SYS	OPN	2011	4,000	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Limited Area Prod & Strg Complex, Incr 7 of 7	
5. Program Element 0212476N	6. Category Code 21650	7. Project Number P973F	8. Project Cost (\$000) 19,116	
JOINT USE CERTIFICATION: The Regional Commander certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Authorization and Appropriation Summary				
		2005 Auth	Appropriation	Auth for Approp
FY 2005 Approved by Congress		\$131,090K	\$35,639K	\$35,770K
FY 2006 Approved by Congress (a) (c)		\$55,680K	\$46,358K	\$47,095K
FY 2007 Approved by Congress		\$0K	\$14,274K	\$14,274K
FY 2008 Approved by Congress (b) (c)		\$108,230K	\$39,750K	\$39,750K
FY 2009 Approved by Congress		\$0K	\$50,700K	\$50,700K
FY 2010 Approved by Congress		\$0K	\$87,292K	\$87,292K
FY 2011 Requested		\$0K	\$19,116K	\$19,116K
Total		\$295,000K	\$293,129K	\$293,997K
(a) Cost variation notification Nov 2005				
(b) Cost variation notification Jan 2008				
(c) Cost variations followed up by FY 2008 and FY 2009 National Defense Authorization Acts.				
Activity POC: Joe Graf			Phone No: (703) 601-9239	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Limited Area Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P987	8. Project Cost (\$000) 15,810	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
LIMITED AREA EMERGENCY POWER (3,767 SF)	m2	350		9,390
BALLISTIC HARDENED GENERATOR BLDG. (3,767 SF)	m2	350	6,562	(2,300)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(110)
LEED AND EPACT 2005 COMPLIANCE	LS			(80)
INFORMATION SYSTEMS	LS			(120)
BUILT-IN EQUIPMENT	LS			(5,670)
SPECIAL COSTS	LS			(1,110)
SUPPORTING FACILITIES				4,360
LEED AND EPACT 2005 COMPLIANCE	LS			(30)
ELECTRICAL UTILITIES	LS			(2,500)
MECHANICAL UTILITIES	LS			(920)
SITE PREPARATIONS	LS			(70)
SPECIAL FOUNDATION FEATURES	LS			(80)
PAVING AND SITE IMPROVEMENTS	LS			(610)
SPECIAL CONSTRUCTION FEATURES	LS			(150)
SUBTOTAL				13,750
CONTINGENCY (5%)				690
TOTAL CONTRACT COST				14,440
SIOH (5.7%)				820
SUBTOTAL				15,260
DESIGN/BUILD - DESIGN COST				550
TOTAL REQUEST ROUNDED				15,810
TOTAL REQUEST				15,810
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(420)
10. Description of Proposed Construction:				
This project is located in Bangor, WA.				
Project provides emergency backup power, associated utility distribution systems and site improvements for security of the Strategic Weapons Facility Pacific's (SWFPAC), Bangor limited area (LA). Construct ballistically hardened structure on pile foundation to house emergency				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Limited Area Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P987	8. Project Cost (\$000) 15,810	
<p>generator and provide climate controlled space for all required switchgear and generator controls. The project will include a walled courtyard, engine mufflers, cooling system and emergency fuel storage. Underground feeders will provide emergency power distribution through secure manholes and bullet resistant above-ground structures. Site improvements include an aggregate surface access roadway, paved parking and fuel loading areas and storm water drainage features.</p> <p>Increased special construction costs include: contractor delays due to emergency response and operational drills, contractor productivity lost due to personnel and vehicle inspections at the Waterfront Restricted Area entry control point, contractor productivity lost due to compliance with special work procedures (security badging), construction of traffic mitigation features (barriers, alternate routes, temporary enclave fencing, flaggers), government security escorts for the contractors for the duration of the project and development of construction material lay-down areas for off-site material, station utility connections and coordination of onsite equipment lay-down space.</p> <p>The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development and construction.</p>				
11. Requirement: <u>350 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: This project constructs a ballistically hardened, secure, emergency power generator facility, a 2.5 megawatt generator, and distribution system at the SWFPAC LA. (Current Mission)				
REQUIREMENT: Submarine base Kings Bay, GA and Naval Base Kitsap-Bangor, WA are the Navy's highest priority for the security of strategic assets. Department of Defense (DoD) security instructions require a secure emergency power source to be located within the LA. Recent major revisions to DoD security instructions significantly increased security requirements to protect strategic weapons systems assets. These changes have required the construction and installation of new security facilities and systems at the waterfront. These systems require the provision of secure emergency power to comply with current security directives.				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Limited Area Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P987	8. Project Cost (\$000) 15,810	
CURRENT SITUATION: Strategic security requirements are not met. The existing LA emergency power sources do not provide secure emergency power in accordance with DoD security instructions.				
IMPACT IF NOT PROVIDED: The requirements of DoD security instructions will not be satisfied. The SWFPAC LA will remain at increased risk.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				06/2009
(B) Date 35% Design or Parametric Cost Estimate complete				09/2009
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				35%
(E) Percent completed as of January 2010				55%
(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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$482
(B) All other design costs				\$321
(C) Total				\$803
(D) Contract				\$482
(E) In-house				\$321
4. Contract award:				12/2010
5. Construction start:				01/2011
6. Construction complete:				01/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Collateral Equipment		OPN	2011	350
Intrusion Detection System		OPN	2011	35
NGEN Support		OMN	2011	35
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N68436 NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON			4. Project Title Limited Area Emergency Power	
5. Program Element 0712776N	6. Category Code 81159	7. Project Number P987	8. Project Cost (\$000) 15,810	
with use by other components.				
Activity POC: Mel Rivera			Phone No: (703) 601-9239	

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.25			
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		340	2036	377	0	0	0	84	484	0	3321
B. End FY 2014		355	2051	376	0	0	0	84	484	0	3350
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(66 Acres)											
B. INVENTORY AS OF 30 SEP 2009											410,138
C. AUTHORIZATION NOT YET IN INVENTORY											0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											213,153
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											124,716
F. PLANNED IN NEXT THREE PROGRAM YEARS											17,827
G. REMAINING DEFICIENCY											107,750
H. GRAND TOTAL											873,584
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Scope</u>		<u>Cost</u>		
<u>Code</u>		<u>Project Title</u>			<u>Start Complete</u>		<u>Scope</u>		<u>(\$000)</u>		
61010	Operations and Support Facilities			12/2008	09/2009	12792 m2		60,002			
14320	Waterfront Development, Phase 3			02/2007	10/2007	0 LS		63,871			
42122	NAVCENT Ammunition Magazines			07/2009	06/2010	0 LS		89,280			
								TOTAL	213,153		
9. Future Projects:											
A. Included In The Following Program:											
72111	BACHELOR ENLISTED QUARTERS BQ-II							39,674			
72111	BACHELOR ENLISTED QUARTERS BQ-III							37,717			
74042	WATERFRONT DEVELOPMENT PHASE IV							47,325			
								TOTAL	124,716		
B. Major Planned Next Three Years:											
72121	TRANSIENT QUARTERS TQ-II ADDITION							5,876			
72210	COMBINED DINING FACILITY							11,951			
								TOTAL	17,827		
C. R&M Unfunded Requirement (\$000):											118,394
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, U. S. Central Command and coordinates with naval forces operating in support of U. S. Central Command'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. There are fifty full-time tenants that are supported in											

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.25
<p>addition to the DoD School and visiting operating forces. Also responsible for operating and maintaining a communications facility to support the Defense Communication System and Fleet requirements in the Persian Gulf to include a message center.</p>		
11. Outstanding Pollution and Safety Deficiencies (\$000):		
A. Pollution Abatement (*):		0
B. Occupational Safety and Health(OSH) (#):		0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title Operations and Support Facilities	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P908	8. Project Cost (\$000) 60,002	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
OPERATIONS AND SUPPORT FACILITIES (137,692 SF)	m2	12,792.04		47,020
NSA ADMINISTRATION (31,452 SF)	m2	2,922	3,151	(9,210)
ARMED FORCES RADIO / TV (1,668 SF)	m2	155	3,247	(500)
AUTO VEHICLE MAINT SHOP (10,473 SF)	m2	973	3,139	(3,050)
EDUCATIONAL SERVICES (7,341 SF)	m2	682	3,247	(2,210)
DEFENSE INFO SYSTEMS AGENCY (3,444 SF)	m2	320	3,247	(1,040)
PUBLIC WORKS MAINT STORAGE (5,705 SF)	m2	530	3,247	(1,720)
USMC CENTRAL COMMAND FORWARD HQ (15,000 SF)	m2	1,393.54	3,247	(4,520)
AUTOMATED DATA PROCESSING (6,372 SF)	m2	592	3,247	(1,920)
MIDDLE EAST REGIONAL MAINTENANCE CENTER (4,123 SF)	m2	383	3,247	(1,240)
EXPEDITIONARY STRIKE GROUP - 2 (10,236 SF)	m2	951	3,247	(3,090)
NAVY REGIONAL CONTRACT CNTR (5,199 SF)	m2	483	3,247	(1,570)
RED CROSS / NAVY RELIEF (753 SF)	m2	70	3,247	(230)
MIDDLE EAST REGIONAL SUPPORT ACTIVITY (7,072 SF)	m2	657	3,247	(2,130)
NAVY LEGAL (6,039 SF)	m2	561	3,247	(1,820)
SINGLE SAILOR CENTER (5,726 SF) (RENOVATE)	m2	532	2,147	(1,140)
DEFENSE THREAT REDUCTION AGENCY (2,088 SF)	m2	194	3,247	(630)
RELIGIOUS MINISTRY (5,000 SF)	m2	464.5	3,247	(1,510)
COMBINED TASK FORCE-151 (10,000 SF)	m2	929	3,247	(3,020)
OPERATION & MAINTENANCE SUPP	LS			(500)

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title Operations and Support Facilities	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P908	8. Project Cost (\$000) 60,002	
INFO (OMSI)				
SPECIAL COSTS		LS		(2,530)
LEED AND EPACT 2005 COMPLIANCE		LS		(1,880)
BUILT-IN EQUIPMENT		LS		(520)
ANTI-TERRORISM/FORCE PROTECTION		LS		(1,040)
SUPPORTING FACILITIES				6,650
MECHANICAL UTILITIES		LS		(630)
ELECTRICAL UTILITIES		LS		(1,180)
SPECIAL FOUNDATION FEATURES		LS		(1,120)
SPECIAL CONSTRUCTION FEATURES		LS		(640)
SITE PREPARATIONS		LS		(280)
DEMOLITION		LS		(1,530)
PAVING AND SITE IMPROVEMENTS		LS		(1,270)
SUBTOTAL				53,670
CONTINGENCY (5%)				2,680
TOTAL CONTRACT COST				56,350
SIOH (6.5%)				3,660
SUBTOTAL				60,010
TOTAL REQUEST ROUNDED				60,010
TOTAL REQUEST				60,002
EQUIPMENT FROM OTHER				(4,095)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Provides two multi-story, reinforced concrete buildings with reinforced concrete slabs, floors and roof. One facility will be sited at the existing Naval Support Activity (NSA) Bahrain base and the second facility will be at the new waterfront complex. The project will consolidate both administrative and operational functions currently housed throughout the base facilities into force protected structures. The project will also include renovation of the quality of life building. Built-in equipment includes two passenger/freight elevators. The project will conform to sustainable development criteria for design, development and construction of the project.</p> <p>Special construction features includes a two vehicle washrack. Special foundation features includes pile foundations.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title Operations and Support Facilities	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P908	8. Project Cost (\$000) 60,002	
<p>This consolidation project will demolish 38 facilities (7,978 square meters). Several facilities will be relocated to another site. The rest of the impacted tenants will be moved to other existing temporary facilities.</p>				
<p>11. Requirement: <u>15,837 m2</u> Adequate: <u>690 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT:</p> <p>This project will provide permanent, force protected facilities and will satisfy the requirement for operation/administration facilities for NSA Bahrain and its tenants.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Adequate facilities are required to house operational/support functions. NSA Bahrain is the command center for all naval operations in the Arabian Gulf. It is the host activity for several commands and provides mission support for U.S. and allied forces in the region. Non-navy tenants also need adequate and safe facilities.</p> <p>CURRENT SITUATION:</p> <p>Bahrain operates under elevated force protection conditions. Only one of the facilities used by the commands in this project meets U.S. Central Command (CENTCOM) anti-terrorism/force protection criteria. Most commands are currently working in relocatable facilities. They include Navy Legal, Naval Regional Contract Center, Armed Forces Radio/TV Station, Educational Services, and Red Cross/Navy Relief. Relocatable facilities are extremely vulnerable to terrorist attack due to their lightweight construction and proximity to the fence line.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Without this project, personnel working in existing operational and support facilities will be unnecessarily exposed to terrorist attacks. The existing facilities do not meet CENTCOM anti-terrorism/force protection standards and the Joint Staff Integrated Vulnerability Assessment inspection standards. These facilities are unsafe and many are extremely expensive to maintain. They are not adequately designed to withstand Bahrain's environment. The cooling costs are high due to poor insulation and roofs and window seals on relocatable facilities require excessive maintenance due to the degrading effects of ultraviolet radiation. Quality of life in the workplace also suffers since relocatable facilities have poor configurations, insufficient lighting and airflow and unreliable toilets.</p>				
<p>12. Supplemental Data:</p> <p>A. Estimated Design Data:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010																
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title Operations and Support Facilities																	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P908	8. Project Cost (\$000) 60,002																	
<p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started 12/2008</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete 04/2009</p> <p>(C) Date design completed 09/2009</p> <p>(D) Percent completed as of September 2009 100%</p> <p>(E) Percent completed as of January 2010 100%</p> <p>(F) Type of design contract Design Bid Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy Study/Life Cycle Analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design No</p> <p>(B) Where design was previously used</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications \$1,731</p> <p>(B) All other design costs \$577</p> <p>(C) Total \$2,308</p> <p>(D) Contract \$1,442</p> <p>(E) In-house \$866</p> <p>4. Contract award: 12/2010</p> <p>5. Construction start: 01/2011</p> <p>6. Construction complete: 01/2013</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Furniture, furnishings and equipment</td> <td>OMN</td> <td>2012</td> <td>3,595</td> </tr> <tr> <td>Physical security equipment</td> <td>OPN</td> <td>2011</td> <td>500</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.</p> <p>Activity POC: LCDR TOM MOSKAL Phone No: 318-439-4500 DSN</p>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Furniture, furnishings and equipment	OMN	2012	3,595	Physical security equipment	OPN	2011	500
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>																	
Furniture, furnishings and equipment	OMN	2012	3,595																	
Physical security equipment	OPN	2011	500																	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title Waterfront Development, Phase 3	
5. Program Element 0212176N	6. Category Code 14320	7. Project Number P954	8. Project Cost (\$000) 63,871	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
WATERFRONT DEVELOPMENT, PHASE 3	LS			40,090
EXPLOSIVE ORDNANCE DISPOSAL	m2	6,555	3,434.76	(22,510)
TEAM OPERATIONS BLDG (70,557 SF)				
SMALL ARMS FIRING RANGE	m2	1,476	7,086.75	(10,460)
(15,888 SF)				
ENTRY CONTROL POINT (5,791 SF)	m2	538	7,905.51	(4,250)
SECURITY KIOSKS AND GUARD	EA	4	112,750	(450)
TOWERS				
LEED AND EPACT 2005 COMPLIANCE	LS			(1,010)
ANTI-TERRORISM/FORCE	LS			(950)
PROTECTION				
OPERATION & MAINTENANCE SUPP	LS			(260)
INFO (OMSI)				
BUILT-IN EQUIPMENT	LS			(200)
SUPPORTING FACILITIES				15,050
SMALL BOAT HARBOR IMPROVEMENTS	LS			(2,060)
HIGHWAY FLYOVER BRIDGE	LS			(12,990)
SUBTOTAL				55,140
CONTINGENCY (5%)				2,760
TOTAL CONTRACT COST				57,900
SIOH (6.5%)				3,760
SUBTOTAL				61,660
DESIGN/BUILD - DESIGN COST				2,210
TOTAL REQUEST ROUNDED				63,870
TOTAL REQUEST				63,871
EQUIPMENT FROM OTHER				(3,717)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>This is the third of a four phase project for consolidated waterfront operation facilities at Naval Support Activity (NSA) Bahrain.</p> <p>The project will construct an Explosive Ordnance Disposal (EOD) operations building, small arms firing range, entry control point with pass/identification, truck inspection, exit and entrance ramps, a highway flyover bridge, two security kiosks and two guard towers.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title Waterfront Development, Phase 3	
5. Program Element 0212176N	6. Category Code 14320	7. Project Number P954	8. Project Cost (\$000) 63,871	
<p>The EOD operations building facility is a multi-story concrete structure with pile foundations, an armory, and a paraloft. Built-in equipment includes a passenger/freight elevator. The small arms range facility is a single story, concrete structure with pile foundations. Facilities have mechanical utilities consisting of ventilation, air conditioning and fire suppression system. Electrical utilities include fire alarm system, electrical cables and conductors and electrical vaults. Information systems include wiring for telephone, cable television and local area network.</p> <p>Supporting facilities include improvements to the small boat harbor to include dredging and breakwater improvements. Site mechanical and electrical utilities are provided in phases I and II of the Waterfront Development.</p> <p>The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development, and construction of the project.</p>				
<p>11. Requirement: <u>8,495 m2</u> Adequate: Substandard:</p> <p>PROJECT:</p> <p>This project is the third phase in the development of a 70 acre leased site, continuing the construction of the waterfront integrated logistic support facilities adjacent to NSA Bahrain. Project constructs an EOD operations building, small arms firing range, entry control point, climate control warehouse, and two security kiosks and two guard towers.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Provide consolidated, force-protected facilities to support waterfront operations and harbor security for the US Navy's warfighting capability in U.S. Central Command (CENTCOM) area of responsibility. Provide pier space that can accommodate all vessels except for aircraft carriers. Provide logistic support facilities and support facilities for new littoral combat ships. Increase security by co-locating waterfront functions and rectify numerous CENTCOM anti-terrorism force protection violations.</p> <p>CURRENT SITUATION:</p> <p>This is the third of a four phase project for consolidated waterfront operation facilities at Naval Support Activity Bahrain.</p> <p>Current waterfront facilities are primarily trailers dispersed among three non-contiguous locations. US Navy forces do not have force-protected areas</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title Waterfront Development, Phase 3	
5. Program Element 0212176N	6. Category Code 14320	7. Project Number P954	8. Project Cost (\$000) 63,871	
<p>from which to operate or launch vessels. Furthermore, personnel must rely upon temporary facilities that have surpassed their useful life and require frequent and costly repairs. Some personnel conducting waterfront operations cannot be accommodated at the current waterfront due to space restrictions and must commute between multiple locations throughout the day.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Missions will continue to operate out of temporary trailers with inadequate force protection and insufficient power, space and communications to properly execute assigned operations. Personnel will continue to be exposed to potential terrorist attacks while traveling between the base and port.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				02/2007
(B) Date 35% Design or Parametric Cost Estimate complete				06/2007
(C) Date design completed				10/2007
(D) Percent completed as of September 2009				100%
(E) Percent completed as of January 2010				100%
(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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,926
(B) All other design costs				\$642
(C) Total				\$2,568
(D) Contract				\$642
(E) In-house				\$1,926
4. Contract award:				12/2010
5. Construction start:				03/2011
6. Construction complete:				03/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Furniture, furnishings and equipment	OMN	2012	3,717	
JOINT USE CERTIFICATION:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title Waterfront Development, Phase 3	
5. Program Element 0212176N	6. Category Code 14320	7. Project Number P954	8. Project Cost (\$000) 63,871	
<p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.</p>				
<p>Activity POC: LCDR TOM MOSKAL, PWO Phone No: 318-439-4500</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title NAVCENT Ammunition Magazines	
5. Program Element 0712976N	6. Category Code 42122	7. Project Number P958	8. Project Cost (\$000) 89,280	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
NAVCENT AMMUNITION MAGAZINES	LS			58,730
AMMUNITION RECEIVING STATION	LS			(5,380)
02 HIGH EXPLOSIVE ORDNANCE MAGAZINE TYPE C (32,744 SF)	m2	3,042	11,439.77	(34,800)
OPEN AMMUNITION STORAGE PAD	EA	12	37,234.86	(450)
ORDNANCE AND GSE MAINTENANCE SHOP (2,422 SF)	m2	225	12,461.39	(2,800)
OPERATIONS FACILITY (5,877 SF)	m2	546	7,513.66	(4,100)
CONTAINER TRUCK TRANSFER STATION	LS			(660)
01 HIGH EXPLOSIVE ORDNANCE MAGAZINE TYPE D (15,801 SF)	m2	1,468	6,385.68	(9,370)
SPECIAL COSTS	LS			(640)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(530)
SUPPORTING FACILITIES				18,360
PERIMETER FENCE	LS			(450)
MECHANICAL UTILITIES	LS			(6,630)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1,090)
ELECTRICAL UTILITIES	LS			(2,830)
MISSILE STORAGE PAD DIVIDERS	LS			(80)
ENTRY CONTROL POINT	LS			(50)
LIGHTNING PROTECTION SYSTEM	LS			(5,870)
PAVING AND SITE IMPROVEMENTS	LS			(1,360)
SUBTOTAL				77,090
CONTINGENCY (5%)				3,850
TOTAL CONTRACT COST				80,940
SIOH (6.5%)				5,260
SUBTOTAL				86,200
DESIGN/BUILD - DESIGN COST				3,080
TOTAL REQUEST ROUNDED				89,280
TOTAL REQUEST				89,280
EQUIPMENT FROM OTHER				(700)
APPROPRIATIONS (NON ADD)				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title NAVCENT Ammunition Magazines	
5. Program Element 0712976N	6. Category Code 42122	7. Project Number P958	8. Project Cost (\$000) 89,280	
10. Description of Proposed Construction:				
<p>Project provides 15 high explosive magazines capable of storing up to 2,450 tons Net Explosive Weight (NEW). Project provides 13 Type C magazines capable of holding 300,000 pounds NEW each and two Type D magazines capable of holding 500,000 pounds NEW each. All magazines will be earth-covered, reinforced concrete construction with steel doors.</p> <p>Additional infrastructure will include truck entry control point (ECP) and inspection station, vehicle/pedestrian ECP along the perimeter fence, ammunition receiving station with a birail hoist system, container truck transfer station, operations facility and parking, ordnance and ground support equipment maintenance shop and 12 reinforced concrete block outdoor missile storage pads</p> <p>Supporting site infrastructure will include water, sewer, electrical, communications, fire protection, perimeter fencing, intrusion protection and lighting protection systems.</p>				
11. Requirement: <u>5,283 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT:				
<p>Project provides 15 high explosive magazines and supporting site development infrastructure. The project will support missions for the Navy, Marine Corps, and Army components of the Central Command which require the relocation and consolidation of weapons storage from other locations within the Central Command area of responsibility (CENTCOM AoR).</p> <p>(Current Mission)</p>				
REQUIREMENT:				
<p>These magazines are required to provide standardized, adequate and secure ammunition storage for the CENTCOM AoR. This includes trans-shipment and temporary storage to support current requirements for the U.S. 5th Fleet, carrier battle groups, carrier air wings and Maritime Patrol Reconnaissance Aircraft assets and prepositioned assets to support contingency plans and operations.</p>				
CURRENT SITUATION:				
<p>The current available storage only meets a small percentage (less than 10%) of the total U.S. requirement of approximately 2,450 tons NEW capacity and the space is not configured to hold certain classes of critical munitions.</p>				
IMPACT IF NOT PROVIDED:				
<p>Without this project, CENTCOM will assume an unacceptable risk from inadequate in-theater shore-based storage capacity for critical Navy munitions. Commands will be severely limited in their ability to execute</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title NAVCENT Ammunition Magazines	
5. Program Element 0712976N	6. Category Code 42122	7. Project Number P958	8. Project Cost (\$000) 89,280	
time critical theatre contingency plans.				

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	07/2009
(B) Date 35% Design or Parametric Cost Estimate complete	01/2010
(C) Date design completed	06/2010
(D) Percent completed as of September 2009	5%
(E) Percent completed as of January 2010	35%
(F) Type of design contract	Design Build
(G) Parametric Estimate used to develop cost	
(H) Energy Study/Life Cycle Analysis performed	

2. Basis:

(A) Standard or Definitive Design
(B) Where design was previously used

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

(A) Production of plans and specifications	\$1,700
(B) All other design costs	\$600
(C) Total	\$2,300
(D) Contract	\$600
(E) In-house	\$1,700

4. Contract award: 12/2010

5. Construction start: 03/2011

6. Construction complete: 03/2013

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

<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
EQUIPMENT FROM OTHER APPROPRIATIONS	OMN	2012	700

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Joint use is recommended.

Activity POC: LCDR Keith Benson

Phone No: DSN 318 439 4500

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N63005 NAVSUPPACT BAHRAIN BAHRAIN IS, BAHRAIN			4. Project Title NAVCENT Ammunition Magazines	
5. Program Element 0712976N	6. Category Code 42122	7. Project Number P958	8. Project Cost (\$000) 89,280	
<p>Blank Page</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM							2. Date 01 FEB 2010		
3. Installation and Location: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI				4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.92			
6. Personnel Strength: A. As Of 09-30-09 B. End FY 2014	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(Acres)										
B. INVENTORY AS OF 30 SEP 2009										235,970
C. AUTHORIZATION NOT YET IN INVENTORY										143,310
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										51,631
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										44,731
F. PLANNED IN NEXT THREE PROGRAM YEARS										99,294
G. REMAINING DEFICIENCY										19,490
H. GRAND TOTAL										594,426
8. Projects Requested In This Program										
<u>Cat</u>				<u>Design Status</u>						<u>Cost</u>
<u>Code</u>	<u>Project Title</u>			<u>Start</u>	<u>Complete</u>		<u>Scope</u>			<u>(\$000)</u>
44110	General Warehouse			07/2009	06/2010		3391 m2			7,324
13115	Horn of Africa Joint Operations Center			07/2009	06/2010		2976 m2			28,076
61010	Camp Lemonier Headquarters Facility			07/2009	06/2010		1754 m2			12,407
85110	Pave External Roads			04/2009	01/2010		26424 m2			3,824
							TOTAL			51,631
9. Future Projects:										
A. Included In The Following Program:										
74044	Fitness Center									13,493
72111	Bachelor Enlisted Quarters Phase One									31,238
							TOTAL			44,731
B. Major Planned Next Three Years:										
43110	COLD STORAGE WAREHOUSE									2,789
73083	Religious Ministry Facility									7,752
72210	Satellite Galley									16,606
11210	Taxiway Enhancement									4,377
11655	ORDNANCE HANDLING PAD									12,594
72121	Bachelor Enlisted Quarters Phase Two									33,488
14111	Joint Processing Center/Passenger Terminal									12,673
55010	Medical/Dental Clinic									6,984
17140	Multi-Purpose Facility									2,031
							TOTAL			99,294
C. R&M Unfunded Requirement (\$000):										
										77,108
10. Mission or Major Functions:										
Command center for the Combined Joint Task Force - Horn of Africa (CJTF-HOA). The task force conducts operations and training to help host nations										

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.92
<p>establish a secure environment while enabling regional stability. The primary purpose of the camp is to support CTF-HOA's anti-terrorism operations in the Horn of Africa and other Africa Command missions.</p>		
11. Outstanding Pollution and Safety Deficiencies (\$000):		
A. Pollution Abatement(*):		0
B. Occupational Safety and Health(OSH) (#):		0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title General Warehouse	
5. Program Element 0712976N	6. Category Code 44110	7. Project Number P219	8. Project Cost (\$000) 7,324	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
GENERAL WAREHOUSE (36,503 SF)	m2	3,391.23		5,410
GENERAL WAREHOUSE (36,503 SF)	m2	3,391.23	1,468.58	(4,980)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(70)
ANTI-TERRORISM/FORCE PROTECTION	LS			(30)
SPECIAL COSTS	LS			(330)
SUPPORTING FACILITIES				930
MECHANICAL UTILITIES	LS			(110)
PAVING AND SITE IMPROVEMENTS	LS			(80)
ELECTRICAL UTILITIES	LS			(440)
SITE PREPARATIONS	LS			(300)
SUBTOTAL				6,340
CONTINGENCY (5%)				320
TOTAL CONTRACT COST				6,660
SIOH (6.2%)				410
SUBTOTAL				7,070
DESIGN/BUILD - DESIGN COST				250
TOTAL REQUEST ROUNDED				7,320
TOTAL REQUEST				7,324
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(24)
10. Description of Proposed Construction:				
<p>Construct a general storage warehouse for supply materials. Facility will be of steel pre-engineered type with standing seam roof on a reinforced concrete slab. Stacking height will be 20 feet. Project will include offices, security cage for classified material staging, small refrigerated space for medical supplies, rapid roll up/down door on each side of building (flight line side/backside) with loading docks, cantilever rack storage on the walls and fire suppression system. An area for recharging electric forklifts, break room, toilets and a place to build pallets will also be provided.</p> <p>The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development and construction of the project.</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title General Warehouse	
5. Program Element 0712976N	6. Category Code 44110	7. Project Number P219	8. Project Cost (\$000) 7,324	
(A) Standard or Definitive Design				No
(B) Where design was previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$200
(B) All other design costs				\$40
(C) Total				\$240
(D) Contract				\$40
(E) In-house				\$200
4. Contract award:				11/2010
5. Construction start:				03/2011
6. Construction complete:				09/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp or Requested Cost (\$000)</u>		
Furniture		OMN	2013	24
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.				
Activity POC: LT Grady Donothan		Phone No: 311-824-0874		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title General Warehouse	
5. Program Element 0712976N	6. Category Code 44110	7. Project Number P219	8. Project Cost (\$000) 7,324	
Blank Page				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title Horn of Africa Joint Operations Center	
5. Program Element 0311376N	6. Category Code 13115	7. Project Number P230	8. Project Cost (\$000) 28,076	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
HORN OF AFRICA JOINT OPERATIONS CENTER (32,033 SF)	m2	2,976		22,670
HOA JOINT OPERATIONS CENTER (32,033 SF)	m2	2,976	7,211.50	(21,460)
ANTI-TERRORISM/FORCE PROTECTION	LS			(290)
LEED AND EPACT 2005 COMPLIANCE	LS			(340)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(130)
SPECIAL COSTS	LS			(450)
SUPPORTING FACILITIES				1,640
MECHANICAL UTILITIES	LS			(410)
ELECTRICAL UTILITIES	LS			(800)
DEMOLITION	LS			(90)
PAVING AND SITE IMPROVEMENTS	LS			(140)
SITE PREPARATIONS	LS			(200)
SUBTOTAL				24,310
CONTINGENCY (5%)				1,220
TOTAL CONTRACT COST				25,530
SIOH (6.2%)				1,580
SUBTOTAL				27,110
DESIGN/BUILD - DESIGN COST				970
TOTAL REQUEST ROUNDED				28,080
TOTAL REQUEST				28,076
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,576)
10. Description of Proposed Construction:				
Construct a new Horn of Africa (HOA) Joint Operations Center (JOC). The facility will be a multi-story concrete and masonry building. Center includes open and private office spaces, operations center, secure compartmented information facility, planning/meeting rooms, multi-purpose room for conferences for meetings and briefings, administrative areas, break room, locker rooms, storage, receiving and shipping area, fire protection and suppression systems, storage vaults, open working areas for secure information and restrooms with showers. Supporting facilities are:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title Horn of Africa Joint Operations Center	
5. Program Element 0311376N	6. Category Code 13115	7. Project Number P230	8. Project Cost (\$000) 28,076	
<p>secure and unsecure phone lines, electrical upgrade and transformer, uninterruptable power supply and emergency power generator, utilities, mechanical room and air conditioner, standard communication, information technology, joint worldwide intelligence communication systems and all specialized communication equipment, audio-visual suites with associated equipment, and interagency coalition connectivity.</p> <p>The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development, and construction of the project.</p>				
<p>11. Requirement: <u>2,976 m2</u> Adequate: Substandard:</p> <p>PROJECT:</p> <p>Construct modular, multi-classification, multi-functional operations, headquarters, intelligence and logistics JOC.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>The new JOC/headquarters is required for command and control of joint operations in the HOA. Its intent is to support a fully integrated joint interagency and multi-national team postured to enhance stability, security and prosperity in Africa. Africa Command's mission necessitates a HOA level joint integrated operations center to conduct its most basic military mission.</p> <p>As the only forward operating site in eastern Africa, Camp Lemonier is an integral intra/inter theater logistics hub. This critical logistics platform provides necessary reception, staging, on-ward movement and integration for the HOA region. The HOA JOC provides the facility and capability for a headquarters organization to provide command and control for theater security cooperation and humanitarian assistance engagements in the region.</p> <p>CURRENT SITUATION:</p> <p>Currently, operations and administrative functions take place in numerous locations, a combination of temporary facilities, container express (military shipping container) boxes and tents. By establishing a convenient, well-designed facility, the operations and administrative function will be more efficient. Additionally, the station will be able to reduce the amount of structures required to remain in place.</p> <p>IMPACT IF NOT PROVIDED:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title Horn of Africa Joint Operations Center	
5. Program Element 0311376N	6. Category Code 13115	7. Project Number P230	8. Project Cost (\$000) 28,076	
If not provided, HOA operations will not be able to accommodate full operations, logistics, or plans integration. It will not be able to support multiple events in the area of responsibility. There will be limited integrations of coordination center functions and HOA will not be able to accommodate partner nations, individual augmentee, information operations, counter intelligence and non-governmental organization integration.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				35%
(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				Yes
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$953
(B) All other design costs				\$238
(C) Total				\$1,191
(D) Contract				\$238
(E) In-house				\$953
4. Contract award:				11/2010
5. Construction start:				03/2011
6. Construction complete:				03/2013
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment	OPN	2013	1,576	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.				
Activity POC: LT Grady Donothan		Phone No: 311-824-4687		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title Horn of Africa Joint Operations Center	
5. Program Element 0311376N	6. Category Code 13115	7. Project Number P230	8. Project Cost (\$000) 28,076	
<p>Blank Page</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title Camp Lemonier HQ Facility	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P232	8. Project Cost (\$000) 12,407	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CAMP LEMONIER HQ FACILITY (18,880 SF)	m2	1,754		9,850
CLDJ ADMIN FACILITY (18,880 SF)	m2	1,754	5,009.02	(8,790)
LEED AND EPACK 2005 COMPLIANCE	LS			(220)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(100)
ANTI-TERRORISM/FORCE PROTECTION	LS			(90)
BUILT-IN EQUIPMENT	LS			(110)
SPECIAL COSTS	LS			(540)
SUPPORTING FACILITIES				880
PAVING AND SITE IMPROVEMENTS	LS			(90)
MECHANICAL UTILITIES	LS			(150)
SITE PREPARATIONS	LS			(130)
ELECTRICAL UTILITIES	LS			(510)
SUBTOTAL				10,730
CONTINGENCY (5%)				540
TOTAL CONTRACT COST				11,270
SIOH (6.2%)				700
SUBTOTAL				11,970
DESIGN/BUILD - DESIGN COST				430
TOTAL REQUEST ROUNDED				12,400
TOTAL REQUEST				12,407
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(928)
10. Description of Proposed Construction:				
<p>Construct a two story concrete block building for the Camp Lemonier headquarters. Provide open office spaces for the majority of personnel while providing adequate private offices for high-ranking officials. Some open offices and private offices have a sensitive compartmented information facility requirement that requires additional security measures. Command spaces will include private offices, administration support spaces and conference rooms. Special costs include mobilization and demobilization of contractor temporary housing units. Built-in equipment includes a fire</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title Camp Lemonier HQ Facility	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P232	8. Project Cost (\$000) 12,407	
<p>pump and sewage lift station. Electrical systems include power, lighting, fire alarms, secure communication systems supporting non-secure internet protocol router and secure internet protocol router connections supported by a back-up generator. The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development and construction of the project.</p>				
<p>11. Requirement: <u>4,637 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT: Construct a consolidated headquarters facility to support Camp Lemonier operations. (Current Mission)</p> <p>REQUIREMENT: The mission for Camp Lemonier is to provide a base of operations that enables tenant commands to perform their missions in the Horn of Africa region.</p> <p>The HQ facility will house all of the Camp command and administration functions to include: administration, manpower, public affairs, base safety, personnel, operations, logistics management, public works management, planning, communications management, training, financial management and fleet and family support.</p> <p>A new facility is required because the Camp staff is currently disbursed among multiple facilities that are either temporary or semi-permanent structures, all of which are considered substandard. All of the facilities are either: French Foreign Legion facilities, expeditionary timber structures or containerized working units.</p> <p>CURRENT SITUATION: Currently, Camp Lemonier headquarters administrative functions take place in numerous locations, a combination of temporary facilities, container express boxes and tents. By establishing a convenient, well-designed facility in the center of the expansion area, the Camp staff will function more efficiently.</p> <p>IMPACT IF NOT PROVIDED: If this facility is not provided, the Camp Lemonier staff will continue to operate in substandard, dispersed facilities. Personnel will continue to operate inefficiently.</p>				
<p>12. Supplemental Data: A. Estimated Design Data: 1. Status:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title Camp Lemonier HQ Facility	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P232	8. Project Cost (\$000) 12,407	
(A) Date design or Parametric Cost Estimate started			07/2009	
(B) Date 35% Design or Parametric Cost Estimate complete			01/2010	
(C) Date design completed			06/2010	
(D) Percent completed as of September 2009			5%	
(E) Percent completed as of January 2010			35%	
(F) Type of design contract			Design Build	
(G) Parametric Estimate used to develop cost				
(H) Energy Study/Life Cycle Analysis performed				
2. Basis:				
(A) Standard or Definitive Design				
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications			\$390	
(B) All other design costs			\$130	
(C) Total			\$520	
(D) Contract			\$130	
(E) In-house			\$390	
4. Contract award:			12/2010	
5. Construction start:			03/2011	
6. Construction complete:			09/2012	
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp or Requested Cost (\$000)</u>		
Collateral Equipment		OMN	2013	928
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.				
Activity POC: Matt Gunderson			Phone No: 311-824-4687	

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title Camp Lemonier HQ Facility	
5. Program Element 0911376N	6. Category Code 61010	7. Project Number P232	8. Project Cost (\$000) 12,407	
<p>Blank Page</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title Pave External Roads	
5. Program Element 0212576N	6. Category Code 85110	7. Project Number P912	8. Project Cost (\$000) 3,824	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
PAVE EXTERNAL ROADS (284,426 SF)	m2	26,424		3,430
PAVE EXTERNAL ROADS (284,426 SF)	m2	26,424	129.99	(3,430)
SUBTOTAL				3,430
CONTINGENCY (5%)				170
TOTAL CONTRACT COST				3,600
SIOH (6.2%)				220
SUBTOTAL				3,820
TOTAL REQUEST ROUNDED				3,820
TOTAL REQUEST				3,824
10. Description of Proposed Construction:				
<p>This project provides for road grading and paving to provide access for military personnel around the Camp's fenced perimeter and to the landing craft air cushion pad. The project will replace gravel and dirt roadways as well as provide drainage improvements.</p>				
11. Requirement: <u>20,715 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT:				
<p>This project will provide paved external roads for efficient base operations at Camp Lemonier, Djibouti (CLDJ).</p> <p>(Current Mission)</p>				
REQUIREMENT:				
<p>CLDJ requires a paved external road to support base operations by providing efficient entry and exit to the base. The Camp's mission is to enhance stability in the region by supporting the mission of Combined Joint Task Force Horn of Africa and other tenant commands in support of Africa Command. At present, the road consists of unfinished gravel over dirt and is prone to continuous deterioration. Additionally, a more efficient external road is necessary to complement the wide body aircraft parking apron. This will enable the safe and efficient transportation of logistic materials from the parking apron to the camp interior.</p>				
CURRENT SITUATION:				
<p>Presently, the gravel surfaced road requires constant and costly maintenance including regrading and regravelling approximately once every three months. Current maintenance costs include soil maintenance and dust control measures (with the application of industrial strength soil stabilizer). Dust caused by traffic requires additional cleaning of</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONIER DJIBOUTI DJIBOUTI, DJIBOUTI			4. Project Title Pave External Roads	
5. Program Element 0212576N	6. Category Code 85110	7. Project Number P912	8. Project Cost (\$000) 3,824	
<p>equipment, vehicles and facilities and is a nuisance to pedestrians.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>The Camp will continue to have an extremely inefficient road network to sustain the present mission and future plans to expand to the east on recently leased property.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				04/2009
(B) Date 35% Design or Parametric Cost Estimate complete				06/2009
(C) Date design completed				01/2010
(D) Percent completed as of September 2009				90%
(E) Percent completed as of January 2010				100%
(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 previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$200
(B) All other design costs				\$40
(C) Total				\$240
(D) Contract				\$40
(E) In-house				\$200
4. Contract award:				12/2010
5. Construction start:				01/2011
6. Construction complete:				01/2012
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.				
Activity POC: LT Grady Donothan		Phone No: 311-824-0874		

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM							2. Date 01 FEB 2010		
3. Installation and Location: N61031 NAF ATSUGI JA ATSUGI, JAPAN					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.44		
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-09	197	1389	157	0	0	0	113	211	0
B. End FY 2014	248	1617	157	0	0	0	113	211	0	2346
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(1237 Acres)										
B. INVENTORY AS OF 30 SEP 2009 1,727,344										
C. AUTHORIZATION NOT YET IN INVENTORY 0										
D. AUTHORIZATION REQUESTED IN THIS PROGRAM 6,908										
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0										
F. PLANNED IN NEXT THREE PROGRAM YEARS 0										
G. REMAINING DEFICIENCY 0										
H. GRAND TOTAL 1,734,252										
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>					
17135	MH-60 R/S Trainer Facility	07/2009	06/2010	761 m2	6,908					
TOTAL										6,908
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										285,234
10. Mission or Major Functions:										
Support the combat readiness of Carrier Air Wing FIVE, HSL-51 and tenant commands stationed at NAF Atsugi. Provide logistic support, coordination and services to units assigned to the Western Pacific. Provide for the health, welfare and quality of life for all personnel while enhancing community relationships through respect, fellowship, and charitable events throughout the local communities.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement (*):										0
B. Occupational Safety and Health(OSH) (#):										0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N61031 NAF ATSUGI JA ATSUGI, JAPAN	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.44

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61031 NAF ATSUGI JA ATSUGI, JAPAN			4. Project Title MH-60R/S Trainer Facility	
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P203	8. Project Cost (\$000) 6,908	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MH-60R/S TRAINER FACILITY (8,191 SF)	m2	761		4,370
MH-60R/S TRAINER FACILITY (8,191 SF)	m2	761	4,978.51	(3,790)
LEED AND EPACT 2005 COMPLIANCE	LS			(400)
SPECIAL COSTS	LS			(60)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(20)
INFORMATION SYSTEMS	LS			(60)
ANTI-TERRORISM/FORCE PROTECTION	LS			(40)
SUPPORTING FACILITIES				1,590
PAVING AND SITE IMPROVEMENTS	LS			(320)
MECHANICAL UTILITIES	LS			(200)
SPECIAL FOUNDATION FEATURES	LS			(100)
DEMOLITION	LS			(200)
ENVIRONMENTAL MITIGATION	LS			(170)
SITE PREPARATIONS	LS			(100)
ELECTRICAL UTILITIES	LS			(500)
SUBTOTAL				5,960
CONTINGENCY (5%)				300
TOTAL CONTRACT COST				6,260
SIOH (6.5%)				410
SUBTOTAL				6,670
DESIGN/BUILD - DESIGN COST				240
TOTAL REQUEST ROUNDED				6,910
TOTAL REQUEST				6,908
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(26,000)
10. Description of Proposed Construction:				
Construct a one-story training building with reinforced concrete slab, footings, columns, roof slab, concrete masonry unit wall, raised flooring, and built-up roofing. The facility includes one motion based operational flight trainer, two weapons tactics trainers, one aircrew virtual environment trainer, trainer instructor station/computer room, contractor				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61031 NAF ATSUGI JA ATSUGI, JAPAN			4. Project Title MH-60R/S Trainer Facility	
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P203	8. Project Cost (\$000) 6,908	
<p>operations and maintenance of simulators workshop, briefing and debriefing rooms, a tactical library vault, an administrative office, a parts storage room, bathroom, mechanical room, and communication room to support the MH-60R and MH-60S helicopter training simulators.</p> <p>Supporting features includes a fire alarm/suppression system, heating ventilation and air conditioning system, electrical system, uninterruptible power supply and 400 Hz generator, exterior security lighting, secret internet protocol routing network and local area network systems, and sound attenuation. Building 171 will be demolished and the site will be used for the new facility.</p> <p>The Japan environmental governing standards will be followed during the building removal and site restorations. The project will conform to anti-terrorism/force protection standards and follow sustainable development criteria for design, development, and construction of the project.</p>				
<p>11. Requirement: <u>761</u> Adequate: Substandard:</p> <p>PROJECT:</p> <p>This project constructs a one-story building to accommodate aviation simulator training spaces and associated support space for the operation and maintenance of the MH-60R/S training simulators.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>Adequate facilities are required for mission accomplishment of Carrier Air Wing Five, Helicopter Anti-Submarine Squadron (Light) Five One and other tenant commands at Naval Air Facility Atsugi. The aviation simulator training facility is required for the MH-60R/S helicopter pilots. The simulators will allow pilots and crew to spend more time in trainers and less time flying. Simulator training decreases fuel consumption, minimizes wear and tear on the aircraft, reduces maintenance hours and has no noise impact on the community. Operating the simulator to achieve the required training is much less expensive and safer than flying the helicopter and enables a substantial increase in the qualifications that can be achieved through simulation vice dedicated aircraft events.</p> <p>CURRENT SITUATION:</p> <p>Currently, there are no helicopter simulator training facilities and no adequate facilities to accommodate the MH-60R/S training simulator suite.</p> <p>IMPACT IF NOT PROVIDED:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N61031 NAF ATSUGI JA ATSUGI, JAPAN			4. Project Title MH-60R/S Trainer Facility	
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P203	8. Project Cost (\$000) 6,908	
<p>If the trainers are not available in NAF Atsugi, most of the syllabus events will have to be accomplished in the aircraft. However, some events cannot be accomplished in the aircraft, and will be forced to be waived or modified, resulting in a general degradation of the entire training program. Aircrew personnel will be less qualified thus increasing the risk to both crew and aircraft. Operating the simulator to achieve the required training is much less expensive and safer than flying the helicopter. Not providing this project is contrary to the plan to transfer flight hours to simulator-based training.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2009
(B) Date 35% Design or Parametric Cost Estimate complete				01/2010
(C) Date design completed				06/2010
(D) Percent completed as of September 2009				5%
(E) Percent completed as of January 2010				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 previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$400
(B) All other design costs				\$400
(C) Total				\$800
(D) Contract				\$650
(E) In-house				\$150
4. Contract award:				01/2011
5. Construction start:				03/2011
6. Construction complete:				09/2012
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY</u>	<u>Approp</u>
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Aviation Simulator		APN	2010	26,000
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however,				

1. Component NAVY		FY 2011 MILITARY CONSTRUCTION PROGRAM						2. Date 01 FEB 2010			
3. Installation and Location: N62863 NAVSTA ROTA SP ROTA, SPAIN				4. Command Commander, Navy Region Europe			5. Area Const Cost Index 1.04				
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-09		156	1314	171	0	0	0	155	245	0	2041
B. End FY 2014		184	1314	171	0	0	0	155	245	0	2069
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(5962 Acres)											
B. INVENTORY AS OF 30 SEP 2009											1,832,056
C. AUTHORIZATION NOT YET IN INVENTORY											32,700
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											23,190
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											0
G. REMAINING DEFICIENCY											354,602
H. GRAND TOTAL											2,242,548
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
14170	Air Traffic Control Tower	07/2009	06/2010			0 LS	23,190				
TOTAL											23,190
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
C. R&M Unfunded Requirement (\$000):											310,208
10. Mission or Major Functions:											
Major air base for Navy anti-submarine warfare and ocean surveillance aircraft (P-3) covering western approaches to Gibraltar, Defense Communications Service in western Mediterranean and eastern Atlantic. Communication facility supports Defense Communications Service in western Mediterranean and maintains continuous contact with US 6th Fleet units afloat. Provides petroleum, oils and lubricants and ammunition storage. Major harbor facility (outside Mediterranean) supports transient 6th Fleet ship's logistics requirements. Military Aircraft Command passenger and cargo terminal.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):											0
B. Occupational Safety and Health(OSH) (#):											0

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM	2. Date 01 FEB 2010
3. Installation and Location: N62863 NAVSTA ROTA SP ROTA, SPAIN	4. Command Commander, Navy Region Europe	5. Area Const Cost Index 1.04

Blank Page

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62863 NAVSTA ROTA SP ROTA, SPAIN			4. Project Title Air Traffic Control Tower	
5. Program Element 0203176N	6. Category Code 14170	7. Project Number P897	8. Project Cost (\$000) 23,190	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AIR TRAFFIC CONTROL TOWER	LS			17,670
AIR OPERATIONS TOWER/FACILITY	LS			(11,390)
ANTI-TERRORISM/FORCE PROTECTION	LS			(370)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
SPECIAL COSTS	LS			(330)
BUILT-IN EQUIPMENT	LS			(4,860)
LEED AND EPACT 2005 COMPLIANCE	LS			(630)
SUPPORTING FACILITIES				2,410
ENVIRONMENTAL MITIGATION	LS			(50)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
MECHANICAL UTILITIES	LS			(620)
ELECTRICAL UTILITIES	LS			(740)
DEMOLITION	LS			(270)
PAVING AND SITE IMPROVEMENTS	LS			(290)
SPECIAL FOUNDATION FEATURES	LS			(310)
SITE PREPARATIONS	LS			(70)
SUBTOTAL				20,080
CONTINGENCY (5%)				1,000
TOTAL CONTRACT COST				21,080
SIOH (6.2%)				1,310
SUBTOTAL				22,390
DESIGN/BUILD - DESIGN COST				800
TOTAL REQUEST ROUNDED				23,190
TOTAL REQUEST				23,190
10. Description of Proposed Construction:				
Construct a new Air Traffic Control Facility. Facility includes Air Traffic Control Tower, Military Terminal Radar Approach Control Facility, Ground Electronics Maintenance Department and Air Mobility Command Center (AMCC). Tower will be approximately 40 m tall. There will be spaces for electric power, including a generator and transformer. There will also be spaces for an elevator, mechanical and stair pressurization equipment, electronic equipment room, host nation and U.S. briefing rooms, tower				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62863 NAVSTA ROTA SP ROTA, SPAIN			4. Project Title Air Traffic Control Tower	
5. Program Element 0203176N	6. Category Code 14170	7. Project Number P897	8. Project Cost (\$000) 23,190	
<p>provide complete line of sight capability to the eastern edge of the runway and taxiways in the Spanish area. The current airfield control tower, at a height of 20 m, has its field of vision blocked to the east by aircraft parked on the new En-Route parking apron. The runway approach, taxiway, En-Route Parking apron and Spanish Navy parking area are not visible from the tower.</p> <p>Helicopters are currently controlled by the US tower and the Spanish Navy tower. Real time information on fixed wing arrival and departures, in flight emergencies, aircraft separation and handling priorities must be relayed between the towers. The tower supervisors lack of direct contact and supervision of the controllers inhibits their ability to have a complete understanding of the current flight operations.</p> <p>NS Rota was part of the 2003 Navy National Airspace System Modernization Program. This included replacing the existing analog airport surveillance radar, terminal automation system, ancillary information displays, voice communications switches, and implementation of the military airspace management system. Rota did not have adequate facilities to house these costly operational systems. Temporary repairs were performed on a forty year old building to accommodate the installation of the equipment. The new equipment is located in a building over 300 ft from the tower. The Radar Air Traffic Control Center is currently housed in three container express boxes located 200 feet from the tower. These temporary facilities fall short of providing adequate space to conduct routine equipment checks and repairs.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>NS Rota will continue to risk the lives of station personnel and millions of dollars in aircraft due to the poor location and inadequate height of the control tower. The existing tower will continue to violate the 7:1 transition space compromising airfield safety. The height of the wide-body aircraft vertical stabilizer at 65 feet is nearly identical to the cab of the existing control tower. Aircraft departing the Spanish apron will not be visible from the tower until they enter the parallel taxiway at the approach end of Runway 28. This limitation to visibility of operating aircraft does not meet Navy guidelines for control tower siting.</p> <p>The U.S and Spanish control towers will continue to be physically separated as they work to maintain safe separation between planes and helicopters without face-to-face contact.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N62863 NAVSTA ROTA SP ROTA, SPAIN			4. Project Title Air Traffic Control Tower	
5. Program Element 0203176N	6. Category Code 14170	7. Project Number P897	8. Project Cost (\$000) 23,190	
<p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started 07/2009</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete 01/2010</p> <p>(C) Date design completed 06/2010</p> <p>(D) Percent completed as of September 2009 5%</p> <p>(E) Percent completed as of January 2010 35%</p> <p>(F) Type of design contract Design Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy Study/Life Cycle Analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design No</p> <p>(B) Where design was previously used N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications \$2,150,000</p> <p>(B) All other design costs \$850,000</p> <p>(C) Total \$3,000,000</p> <p>(D) Contract \$850,000</p> <p>(E) In-house \$2,150,000</p> <p>4. Contract award: 12/2010</p> <p>5. Construction start: 03/2011</p> <p>6. Construction complete: 03/2013</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION: The Regional Commander certifies that this project has been considered for joint use potential. Joint use is recommended.</p> <p>Activity POC: LT Charles Roy Phone No: (+34)-956-82-2057</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N64482 PLANNING /DESIGN WASHINGTON, DISTRICT OF COLUMBIA			4. Project Title Planning & Design	
5. Program Element	6. Category Code	7. Project Number P211	8. Project Cost (\$000) 120,050	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
PLANNING & DESIGN	LS			120,050
DESIGN COSTS	LS			(120,050)
SUBTOTAL				120,050
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				120,050
SIOH (0%)				0
SUBTOTAL				120,050
TOTAL REQUEST ROUNDED				120,050
TOTAL REQUEST				120,050
10. Description of Proposed Construction:				
<p>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.</p>				
11. Requirement:				
PROJECT:				
Planning and design funds.				
(Current Mission)				
REQUIREMENT:				
<p>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 except in those where Design/Build contracting method is used.</p>				
CURRENT SITUATION:				
N/A				
IMPACT IF NOT PROVIDED:				
N/A				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N64482 PLANNING /DESIGN WASHINGTON, DISTRICT OF COLUMBIA			4. Project Title Planning & Design	
5. Program Element	6. Category Code	7. Project Number P211	8. Project Cost (\$000) 120,050	
<p>(A) Date design or Parametric Cost Estimate started</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete</p> <p>(C) Date design completed</p> <p>(D) Percent completed as of September 2009</p> <p>(E) Percent completed as of January 2010</p> <p>(F) Type of design contract</p> <p>(G) Parametric Estimate used to develop cost</p> <p>(H) Energy Study/Life Cycle Analysis performed</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design</p> <p>(B) Where design was previously used</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications</p> <p>(B) All other design costs</p> <p>(C) Total \$0</p> <p>(D) Contract</p> <p>(E) In-house</p> <p>4. Contract award:</p> <p>5. Construction start:</p> <p>6. Construction complete:</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION: N/A</p> <p>Activity POC: Phone No:</p>				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N64481 MINOR CONSTRUCTION WASHINGTON, DISTRICT OF COLUMBIA			4. Project Title Unspecified Minor Construction	
5. Program Element	6. Category Code	7. Project Number P211	8. Project Cost (\$000) 20,877	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UNSPECIFIED MINOR CONSTRUCTION	LS			20,880
UNSPECIFIED MINOR CONSTRUCTION	LS			(20,880)
SUBTOTAL				20,880
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				20,880
SIOH (0%)				0
SUBTOTAL				20,880
TOTAL REQUEST ROUNDED				20,880
TOTAL REQUEST				20,877
10. Description of Proposed Construction:				
<p>Projects authorized by Title 10 USC 2805 not otherwise authorized by law having an approved cost of \$2,000,000 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.</p>				
11. Requirement:				
PROJECT:				
Unspecified Minor Construction.				
(Current Mission)				
REQUIREMENT:				
<p>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 \$2,000,000 or less not otherwise authorized by law. Included are those items required for which a need cannot reasonably be foreseen nor justified in time to be included in an annual military construction program, but are so urgently required that financing cannot be deferred until legislation in support of a new program is enacted.</p>				
CURRENT SITUATION:				
N/A				
IMPACT IF NOT PROVIDED:				
N/A				
12. Supplemental Data:				
A. Estimated Design Data:				

1. Component NAVY	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date 01 FEB 2010
3. Installation(SA) & Location/UIC: N64481 MINOR CONSTRUCTION WASHINGTON, DISTRICT OF COLUMBIA			4. Project Title Unspecified Minor Construction	
5. Program Element	6. Category Code	7. Project Number P211	8. Project Cost (\$000) 20,877	
<p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete</p> <p>(C) Date design completed</p> <p>(D) Percent completed as of September 2009</p> <p>(E) Percent completed as of January 2010</p> <p>(F) Type of design contract</p> <p>(G) Parametric Estimate used to develop cost</p> <p>(H) Energy Study/Life Cycle Analysis performed</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design</p> <p>(B) Where design was previously used</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications</p> <p>(B) All other design costs</p> <p>(C) Total \$0</p> <p>(D) Contract</p> <p>(E) In-house</p> <p>4. Contract award:</p> <p>5. Construction start:</p> <p>6. Construction complete:</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION: N/A</p> <p>Activity POC: Phone No:</p>				