

DEPARTMENT OF THE NAVY
OPERATION & MAINTENANCE, MARINE CORPS
REAL PROPERTY MAINTENANCE ACTIVITIES
FY 1999 PRESIDENT'S BUDGET

Volume III

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REAL PROPERTY MAINTENANCE ACTIVITIES
 FY 1999 PRESIDENT'S BUDGET
 BACKLOG OF MAINTENANCE AND REPAIR (BMAR) OF REAL PROPERTY
 (In Thousands of Dollars)

Appropriation: O&MMC

	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
A. BACKLOG - BEGINNING OF YEAR	663,501	683,788	742,768
(BACKLOG CARRIED FORWARD FROM PRIOR YEARS (MINUS BACKLOG MORE THAN FOUR YEARS OLD) (ADJUSTED BACKLOG CARRIED FORWARD) (INFLATION ADJUSTMENT) (FOREIGN CURRENCY REEVALUATION)	786,625 (137,058) 649,567 13,934 0	1,269,947 (596,416) 673,531 10,257 0	1,355,304 (624,420) 730,884 11,884 0
B. REQUIREMENTS:	460,415	464,049	446,989
(RECURRING MAINTENANCE & REPAIRS) (MAJOR REPAIR PROJECTS) (BACKLOG DETERIORATION)	266,376 174,134 19,905	297,003 175,329 20,514	256,820 167,886 22,283
C. TOTAL REQUIREMENTS (A+B)	1,123,915	1,147,836	1,189,757
D. PROGRAM ADJUSTMENTS:	403,146	405,068	375,574
(DIRECT PROGRAM FUNDING) (FUNDS MIGRATION FROM OTHER AREAS) (NET OTHER ADJUSTMENTS)	295,827 23,567 83,752	297,003 24,275 83,790	311,781 25,003 38,790
E. BACKLOG - END OF YEAR (C-D)	683,788	742,768	814,183
F. PERCENT BMAR CHANGE ((E-A)/A)	3	9	10

Exhibit OP-27

REAL PROPERTY MAINTENANCE ACTIVITIES
 FY 1999 PRESIDENT'S BUDGET
 OPERATION & MAINTENANCE COSTS
 FY 1997
 (In Thousands of Dollars)

Functional Category at Work Functions		Workload	Civilian				Military Personnel	
<u>Active Installations</u>	<u>U/M</u>	<u>Data</u>	<u>Personnel</u>	<u>Contracts</u>	<u>Other</u>	<u>Total</u>	<u>(\$000)</u>	<u>BMAR</u>
1. Maintenance & Repair			93,797	179,959	27,850	301,606	12,267	683,788
a. Utilities	XXX		16,724	32,087	4,966	53,777	2,187	106,247
b. Other Real Property	XXX		77,073	147,872	22,884	247,829	10,080	577,541
(1) Buildings	KSF	105,559	48,239	92,553	14,323	155,115	6,309	340,261
(2) Other Facilities	XXX		10,683	20,497	3,172	34,352	1,397	104,782
(3) Pavements	KSY	73,817	15,008	28,793	4,456	48,257	1,963	113,570
(4) Land	AC	1,627,573	2,636	5,057	783	8,476	345	14,985
(5) Railroad Trackage	KLF	739	507	972	150	1,629	66	3,943
2. Minor Construction			0	20,952	3,877	24,829	0	
3. Operation of Utilities			17,993	86,389	3,932	108,314	0	
a. Electricity-Purchased	MWH	781,466	0	68,069	0	68,069	0	
b. Electricity-In House	MWH	4,311	198	71	10	279	0	
c. Heat-Purch, Stm/Wtr	MBTU	225,120	0	1,527	0	1,527	0	
d. Heat-In House Gen Stm/Wtr	MBTU	4,911,474	6,466	8,730	2,056	17,252	0	
e. Water Plants & Systems	KGAL	11,647,032	4,333	5,297	671	10,301	0	
f. Sewage Plants & Systems	KGAL	8,196,650	4,425	2,657	1,022	8,104	0	
g. Air Cond & Refrigeration	TONS	100,012	176	26	12	214	0	
h. Other	XXX		2,395	12	161	2,568	0	
4. Other Engineering Support			33,380	6,967	11,835	52,182	9,508	
a. Services	XXX		20,967	5,150	5,284	31,401	4,998	
b. Administration & Overhead	XXX		12,413	1,383	6,551	20,347	4,510	
c. Rentals, Leases & Easements	XXX		0	434	0	434	0	
Total Active Installations			145,170	294,267	47,494	486,931	21,775	
Inactive Installations			0	0	0	0	0	
Grand Total			145,170	294,267	47,494	486,931	21,775	

DoD Component: U.S. Marine Corps

Appropriation: O&MMC

REAL PROPERTY MAINTENANCE ACTIVITIES

FY 1999 PRESIDENT'S BUDGET

OPERATION & MAINTENANCE COSTS

FY 1998

(In Thousands of Dollars)

Functional Category at Work Functions		Workload	Civilian				Military Personnel	
<u>Active Installations</u>	<u>U/M</u>	<u>Data</u>	<u>Personnel</u>	<u>Contracts</u>	<u>Other</u>	<u>Total</u>	<u>(\$000)</u>	<u>BMAR</u>
1. Maintenance & Repair			84,157	194,058	18,788	297,003	12,107	742,768
a. Utilities	XXX		15,005	34,601	3,350	52,956	2,159	115,411
b. Other Real Property	XXX		69,152	159,457	15,438	244,047	9,948	627,357
(1) Buildings	KSF	109,910	43,283	99,804	9,663	152,750	6,227	369,610
(2) Other Facilities	XXX		9,585	22,103	2,140	33,828	1,379	113,820
(3) Pavements	KSY	73,817	13,465	31,049	3,006	47,520	1,937	123,366
(4) Land	AC	1,651,573	2,365	5,453	528	8,346	340	16,277
(5) Railroad Trackage	KLF	739	454	1,048	101	1,603	65	4,284
2. Minor Construction			90	20,395	2,056	22,541		
3. Operation of Utilities			14,388	91,452	3,168	109,008	0	
a. Electricity-Purchased	MWH	771,073	0	71,777	0	71,777	0	
b. Electricity-In House	MWH	4,254	158	75	8	241	0	
c. Heat-Purch, Stm/Wtr	MBTU	222,126	0	1,896	0	1,896	0	
d. Heat-In House Gen Stm/Wtr	MBTU	4,846,151	5,171	9,066	1,657	15,894	0	
e. Water Plants & Systems	KGAL	11,647,032	3,465	5,784	541	9,790	0	
f. Sewage Plants & Systems	KGAL	8,196,650	3,538	2,813	823	7,174	0	
g. Air Cond & Refrigeration	TONS	100,012	141	28	10	179	0	
h. Other	XXX		1,915	13	129	2,057	0	
4. Other Engineering Support			34,114	27,393	11,384	72,891	9,650	
a. Services	XXX		21,427	20,248	5,083	46,758	5,073	
b. Administration & Overhead	XXX		12,687	5,438	6,301	24,426	4,577	
c. Rentals, Leases & Easements	XXX		0	1,707	0	1,707	0	
Total Active Installations			132,749	333,298	35,396	501,443	21,757	
Inactive Installations								
Grand Total			132,749	333,298	35,396	501,443	21,757	

REAL PROPERTY MAINTENANCE ACTIVITIES
 FY 1999 PRESIDENT'S BUDGET
 OPERATION & MAINTENANCE, MARINE CORPS
 FY 1999

(In Thousands of Dollars)

Functional Category at Work Functions		Workload	Civilian				Military Personnel	
<u>Active Installations</u>	<u>U/M</u>	<u>Data</u>	<u>Personnel</u>	<u>Contracts</u>	<u>Other</u>	<u>Total</u>	<u>(\$000)</u>	<u>BMAR</u>
1. Maintenance & Repair			89,252	201,907	20,622	311,781	12,261	814,183
a. Utilities	XXX		15,914	36,000	3,677	55,591	2,186	126,508
b. Other Real Property	XXX		73,338	165,907	16,945	256,190	10,075	687,675
(1) Buildings	KSF	109,910	45,902	103,841	10,606	160,349	6,305	405,145
(2) Other Facilities	XXX		10,166	22,997	2,349	35,512	1,397	124,764
(3) Pavements	KSY	73,817	14,280	32,305	3,300	49,885	1,962	135,228
(4) Land	AC	1,651,573	2,508	5,674	579	8,761	345	17,843
(5) Railroad Trackage	KLF	739	482	1,090	111	1,683	66	4,695
2. Minor Construction			0	23,745	2,362	26,107		
3. Operation of Utilities			<u>18,847</u>	<u>89,052</u>	<u>4,680</u>	<u>112,579</u>	<u>0</u>	
a. Electricity-Purchased	MWH	760,818	0	69,923	0	69,923	0	
b. Electricity-In House	MWH	4,197	207	73	12	292	0	
c. Heat-Purch, Stm/Wtr	MBTU	219,172	0	1,819	0	1,819	0	
d. Heat-In House Gen Stm/Wtr	MBTU	4,781,697	6,773	8,906	2,448	18,127	0	
e. Water Plants & Systems	KGAL	11,647,032	4,539	5,553	799	10,891	0	
f. Sewage Plants & Systems	KGAL	8,196,650	4,635	2,739	1,216	8,590	0	
g. Air Cond & Refrigeration	TONS	100,012	184	27	14	225	0	
h. Other	XXX		2,509	12	191	2,712	0	
4. Other Engineering Support			<u>34,966</u>	<u>35,742</u>	<u>11,835</u>	<u>82,543</u>	<u>9,415</u>	
a. Services	XXX		21,963	26,417	5,284	53,664	4,949	
b. Administration & Overhead	XXX		13,003	7,096	6,551	26,650	4,466	
c. Rentals, Leases & Easements	XXX		0	2,229	0	2,229	0	
Total Active Installations			143,065	350,446	39,499	533,010	21,676	
Inactive Installations			0	0	0	0	0	
Grand Total			143,065	350,446	39,499	533,010	21,676	

DEPARTMENT OF THE NAVY
SUMMARY OF MAJOR REPAIR AND MINOR CONSTRUCTION PROJECTS
FY 1999 PRESIDENT'S BUDGET
(In Thousands of Dollars)

APPROPRIATION: O&M,MC

	<u>FY 1997</u> <u>ACTUAL</u>	<u>FY 1998</u> <u>ESTIMATE</u>	<u>FY 1999</u> <u>ESTIMATE</u>
1. FUNDED PROGRAM			
A. CATEGORY OF MAINTENANCE			
RECURRING MAINTENANCE	193,093	184,934	195,688
MAJOR REPAIR PROJECTS	108,513	112,069	116,093
MINOR CONSTRUCTION	<u>24,829</u>	<u>22,541</u>	<u>26,107</u>
TOTAL MRP	326,435	319,544	337,888
B. BUDGET ACTIVITY			
BA 1	276,482	274,760	292,216
BA 3	47,706	42,868	43,741
BA 4	<u>2,247</u>	<u>1,916</u>	<u>1,931</u>
TOTAL BA:	326,435	319,544	337,888
C. STAFFING			
MILITARY PERSONNEL	689	689	689
CIVILIAN PERSONNEL	<u>2,072</u>	<u>1,835</u>	<u>1,830</u>
TOTAL PERSONNEL:	2,761	2,524	2,519
TOTAL MAINTENANCE OF REAL PROPERTY FACILITIES	326,435	319,544	337,888
2. BACKLOG OF MAINTENANCE AND REPAIR	683,788	742,768	814,183

PART 1 & 2
EXHIBIT OP-28

REAL PROPERTY MAINTENANCE ACTIVITIES
 FY 1999 PRESIDENT'S BUDGET
 OPERATIONS AND MAINTENANCE, MARINE CORPS
 Real Property Maintenance and Minor Construction Projects
 (Projects over \$500 thousand, FY 1997)
 (In Thousands of Dollars)

			<u>(\$000)</u>
AZ	MCAS YUMA AZ BARRACKS	REPAIR PLUMBING, BLDG 919	\$663
<p>REPLACE ALL PLUMBING AND ELECTRICAL, SHOWER PANS, URINALS, WATER CLOSETS, MIRRORS, TOILET PARTITIONS, URINAL SCREENS AND DOORS IN BARRACKS. WATER LEAKAGE INSIDE THE WALLS AND FLOORS HAVE AFFECTED THE STUD BRACES, ELECTRICAL WORK AND WALLBOARD, CREATING AN UNSANITARY AND UNSAFE CONDITION. FAILURE TO EXECUTE WILL HAVE AN ADVERSE AFFECT ON THE HEALTH AND QUALITY OF LIFE OF MARINES IN THIS BARRACKS.</p>			
AZ	MCAS YUMA AZ BARRACKS	MISCELLANEOUS REPAIRS TO BEQS	\$706
<p>MISCELLANEOUS REPAIRS TO 9 BARRACKS, INCLUDING PLUMBING FIXTURES, LIGHTS, TOILET PARTITIONS, DOORS, WINDOWS, EXHAUST SYSTEMS, AND PARTITIONS. MOST BUILDINGS ARE OVER 35 YEARS OLD. ORIGINAL COMPONENTS HAVE DETERIORATED BEYOND ECONOMICAL REPAIR AND MAINTENANCE. FURTHER DETERIORATION WILL RESULT IN LESS THAN MINIMAL LEVELS OF SANITARY CONDITIONS, SEVERELY IMPACTING ON THE QUALITY OF LIFE OF MARINES.</p>			
AZ	MCAS YUMA AZ	REPAIR ELECTRICAL DISTRIBUTION, PH V	\$500
<p>REPAIR THE STATION'S ELECTRICAL DISTRIBUTION SYSTEM BY REBUILDING EXISTING FEEDER CIRCUITS, REPLACING EXISTING UNDERGROUND FEEDER CIRCUITS, REPLACING DETERIORATED WOODEN UTILITY POLES AND REPLACING ANCILLARY EQUIPMENT AS REQUIRED IN RELATION TO THE ABOVE TASKS.</p>			
CA	MCAS CAMP PENDLETON CA	REPAIR PRIMARY ELECTRIC DISTRIBUTION SYS	\$1,204
<p>REPLACES DETERIORATED 4160V OVERHEAD ELECTRICAL DISTRIBUTION SYSTEM WITH 12KV</p>			

UNDERGROUND SYSTEM. CURRENT SYSTEM CONTAINS HAZARDOUS SUBSTANCES, IS INEFFICIENT, AND ILLOGICALLY CONCEIVED WITH MIXED VOLTAGES SERVING VARIOUS STRUCTURES.

CA MCAS CAMP PENDLETON CA RPR BUILDING 2386 \$2,130

REPAIR CONCRETE AND FLOOR COATING AND OVERHEAD CRANE ON HANGAR HIGH BAY. RPL ROOFING SYSTEM, SHEET METAL AT PENTHOUSE AND ROOF LADDER. RPL DOORS, FLOOR COVERINGS, CEILINGS, INT/EXT PAINT, SEISMIC REPR AND LEAD BASED PAINT ABATEMENT. REHAB HEAD, LOCKERS, AND KITCHEN. REPLACE PLUMBING AND REPAIR COMPRESSED AIR SYSTEM, FIRE SUPPRESSION & ALARM SYSTEM AND VENT LINES.

CA MCB CAMP PENDLETON CA REPAIR ROOFS, 41 AREA \$1,677

PROJECT REPLACES 25 DETERIORATED ROOFS IN THE LAS FLORES AREA. THE MAJORITY OF THE BUILDINGS WERE CONSTRUCTED IN 1966 AND THE ROOFS HAVE REACHED THE END OF THEIR USEFUL LIFE. NUMEROUS LEAKS ARE OCCURING AND MAINTENANCE COSTS ARE HIGH. STRUCTURAL DAMAGE WILL OCCUR IF ROOFS ARE NOT REPLACED.

CA MCB CAMP PENDLETON CA FY97 DREDGING OF OCEANSIDE HARBOR \$706

HOUSE OF REPRESENTATIVES DOC NO. 76, 89TH CONGRESS, 1ST SESSION, FEB 4, 1965 PROVIDES A FEDERAL PLAN FOR STRUCTURAL IMPROVEMENTS AND REQUIRED ANNUAL DREDGING OF OCEANSIDE HARBOR TO PREVENT ANY SHOALING OF NAVIGABLE CHANNELS. THIS DOC MANDATED THE COSTS OF MAINTENANCE DREDGING, AND ANY CHANNEL MODIFICATIONS RECOMMENDED BY THE CHIEF OF ARMY ENGINEERS, BE SHARED EQUALLY BY THE ARMY CORPS OF ENGINEERS AND THE DEPARTMENT OF THE NAVY.

CA MCB CAMP PENDLETON CA REPAIR 3 BEQS 1396, 1397, 1398 \$8,782
BARRACKS

PROJECT WILL PROVIDE SEISMIC UPGRADE, ROOF REPAIR, REPLACE INTERIOR AND EXTERIOR DOORS, REPAIR PLUMBING, REPLACE CERAMIC TILE FLOORS AND SHOWERS. PROJECT WILL ALSO REPAIR FIRE PROTECTION SYSTEM, REPAIR LIGHTING, REPLACE HEAT EXCHANGERS AND ROOM HEATERS, AND REMOVE ASBESTOS AND LEAD CONTAINING PAINT. BUILDINGS ARE SEISMICALLY AND FIRE SAFETY DEFICIENT.

CA MCAGCC TWENTYNINE PALMS CA SEISMIC RPRS-1508/59/1601/02, RPR HVAC 1559 \$1,700

PERFORM THE NECESSARY STRUCTURAL REINFORCEMENTS TO CONFORM WITH THE REQUIREMENTS OF SEISMIC ZONE #4. SEISMIC SAFETY EVALUATION HAS DETERMINED THAT THE STRUCTURES ARE INCAPABLE OF WITHSTANDING AN EARTHQUAKE OF ANY GREAT MAGNITUDE ALONG THE SAN ANDREAS FAULT WHICH IS APPROXIMATELY 25 MILES TO THE S/W OF THE INHABITED AREA OF THE COMBAT CENTER.

HI CAMP SMITH HI ADMIN BLDGS FIRE IMPROVEMENTS \$1,077

PROVIDE FIRE PROTECTION IMPROVEMENTS IN ACCORDANCE WITH NFPA STANDARDS IN THIS ADMIN COMPLEX. PROJECT INCLUDES SPRINKLERS, ALARMS, FIRE RATED DOORS, WINDOWS, WALLS, AND EXITS. FACILITY IS WORLD WAR II ERA. HIGH POTENTIAL FOR LOSS OF LIFE AND PROPERTY, AND INTERRUPTION OF MISSION ESSENTIAL OPERATIONS.

JA MCAS IWAKUNI JA REPLACE CHILLER B446 \$1,417

REPLACE THE DETERIORATED HVAC EQUIPMENT AND CHILLER AT BUILDING B-446, THE MCX. THE EXISTING SYSTEM HAS REACHED ITS LIFE EXPECTANCY, AND IS SUBJECT TO FREQUENT OUTAGES. NEW EQUIPMENT WILL BE INSTALLED WITH ENVIRONMENTALLY FRIENDLY CHILLING FLUID.

JA CAMP BUTLER JAPAN BARRACKS REPLACE A/C SYSTEM BEQ \$1,206

REPLACE AIR CONDITIONING SYSTEMS IN BEQS AT CAMP COURTNEY AND CAMP SCHWAB. EXISTING SYSTEMS ARE APPROACHING USEFUL LIFE, AND ARE EXPERIENCING DAMAGE AND DETERIORATION DUE TO SALT WATER CONDITIONS. FAILURE OF SYSTEMS WILL RESULT IN DAMAGE TO FACILITIES AND IMPACT ON QUALITY OF LIFE OF MARINES.

JA CAMP BUTLER JAPAN BARRACKS REPLACE A/C SYSTEM VARIOUS BEQS (HANSEN) \$1,384

REPLACE AIR CONDITIONING SYSTEMS IN 5 BEQS AT CAMP HANSEN. EXISTING SYSTEMS ARE APPROACHING THEIR USEFUL LIFE CYCLE AND ARE SHOWING SIGNS OF DETERIORATION AND HIGH MAINTENENCE. FAILURE OF SYSTEMS WILL RESULT IN DAMAGE TO FACILITY AND PERSONNEL EQUIPMENT AND WILL NEGATIVELY IMPACT ON THE QUALITY OF LIFE OF

MARINES.

JA	CAMP BUTLER JAPAN BARRACKS	REPLACE A/C SYSTEM BEQS (HANSEN), PH 2	\$1,631
	REPLACE EXISTING AIR CONDITIONING SYSTEMS IN 3 BEQS AT CAMP HANSEN. THE EXISTING SYSTEMS ARE APPROACHING THE END OF THEIR USEFUL LIFE CYCLE, AND ARE SHOWING SIGNS OF DETERIORATION AND HIGH MAINTENANCE. FAILURE OF SYSTEMS WILL RESULT IN DAMAGE TO FACILITIES, AND WILL NEGATIVELY IMPACT ON THE QUALITY OF LIFE OF MARINES.		
JA	CAMP BUTLER JAPAN BARRACKS	REPLACE A/C SYSTEM BEQ	\$2,305
	REPLACE EXISTING AIR CONDITIONING SYSTEMS IN FIVE BEQS AT CAMP FOSTER. THE EXISTING SYSTEMS ARE APPROACHING THE END OF THEIR USEFUL LIFE CYCLE, AND ARE SHOWING SIGNS OF DETERIORATION AND HIGH MAINTENANCE. FAILURE OF SYSTEM WILL RESULT IN DAMAGE TO FACILITY AND NEGATIVELY IMPACT ON THE QUALITY OF LIFE OF MARINES.		
JA	CAMP BUTLER JAPAN BARRACKS	REPLACE A/C SYSTEM BEQS (HANSEN)	\$2,190
	REPLACE EXISTING AIR CONDITIONING SYSTEMS IN SEVEN BEQS AT CAMP HANSEN. EXISTING SYSTEMS ARE APPROACHING THE END OF THEIR USEFUL LIFE CYCLE AND ARE SHOWING SIGNS OF DETERIORATION AND HIGH MAINTENANCE. FAILURE OF SYSTEMS WILL RESULT IN DAMAGE TO FACILITIES AND NEGATIVELY IMPACT ON THE QUALITY OF LIFE OF MARINES.		
NC	MCAS CHERRY PT NC	REPAIR TAXIWAYS, PADS, APRONS	\$6,233
	TAXIWAYS ARE EXPERIENCING DISTRESSES ASSOCIATED WITH BLOCK, LONGITUDINAL, AND TRANSVERSE CRACKING, WEATHERING, AND SEVERE JOINT DAMAGE. CHUNKS OF PAVEMENT ARE BECOMMING EVIDENT AND ACCIDENT POTENTIAL IS INCREASING. THE PROJECT WILL PROVIDE AN ASPHALT CONCRETE OVERLAY OF THE TAXIWAYS AT VARYING DEPTHS DEPENDING ON USAGE AND INDEPENDANT PAVEMENT STUDIES, AND WILL ALSO PROVIDE PATCHING AND JOINT REPAIRS TO SECTIONS THAT WILL NOT BE OVERLAID.		
NC	MCAS CHERRY PT NC	RPR GYM FLOOR/LOCKERS	\$1,073

PROJECT REPAIRS ADMIN AND SUPPORT AREAS IN GYM. REPAIRS INCLUDE NEW ROOF INSULATION, CEILING JOIST REPLACEMENT, NEW FLOORING, DOORS, LIGHTING, CAULKING OF WINDOWS, NEW FIXTURES FOR LOCKER ROOMS, TILE REPAIR, PAINTING, AND REPLACEMENT OF GYM FLOORING. MANY AREAS IN GYM ARE UNUSABLE AND HAVE BECOME A PUBLIC HEALTH HAZARD. DAMAGED FLOORING CONTINUES TO SWELL AND WARP, POSING A SEVERE TRIPPING HAZARD.

NC MCAS CHERRY PT NC REPLCE ROOF AT MCX,BLDG 3918 \$767

INSTALL NEW BITUMINUM 3 PLY ROOF WITH REPLACEMENT FLASHINGS AS REQUIRED.

NC MCB CAMP LEJEUNE NC REPAIR ELECTRIC DIST SYSTEM, GEIGER AREA \$1,022

PROJECT WILL REPLACE OUTDATED ELECTRICAL DISTRIBUTION SYSTEM ABOARD CAMP GEIGER. THIS PROJECT WOULD UPGRADE OVER 20 MILES OF WIRE, REPLACE 366 POLES AND PROVIDE FOR NEW ARMLESS HARDWARE. SYSTEM IS OVER 30 YEARS OLD AND IS REQUIRING CONSTANT INSPECTION AND MAINTENANCE.

NC MCB CAMP LEJEUNE NC REPLACE B.U. ROOF BLDG 84 \$578

REPLACE EXISTING DEFECTIVE BUILT UP ROOF WITH STATE OF THE ART SINGLE-PLY RUBBER ROOF SYSTEM. THIS 88,000 SF FACILITY WAS CONSTRUCTED IN 1955. THE ROOF IS FAILING, WITH NUMEROUS LEAKS CAUSING DAMAGE TO GOVERNMENT PROPERTY.

NC MCB CAMP LEJEUNE NC INT/EXT RPRS BLDG 307-STORAGE FAC \$625

REPAIR 23,073 SF OF STORAGE & MAINTENANCE SPACE IN 1942 FACILITY. REPAIR/REPLACE WALLS, FLOORS, CEILINGS, DOORS, WINDOWS, PLUMBING, ELECTRICAL, MECHANICAL, AND HVAC SYSTEMS. PROJECT WILL BRING BLDG INTO COMPLIANCE WITH CURRENT LIFE, HEALTH, AND SAFETY CODES.

NC MCB CAMP LEJEUNE NC INT/EXT RPRS VAR, 1800 AREA \$1,680

THIS PROJECT WILL REPLACE INTERIOR SUBSTANDARD WALLS, EXTERIOR METAL SKIN AND

COMPLETELY REWIRE AND RELIGHT THE INTERIOR. PROJECT INVOLVES SIX BUILDINGS. IT IS NECESSARY TO PROVIDE HABITABLE FACILITIES FOR MAINTENANCE SHOPS, STORAGE AND OFFICE SPACES AND PROVIDES BETTER SECURITY. NO MAJOR RENOVATION HAS BEEN UNDERTAKEN SINCE CONSTRUCTION IN THE 1940'S. PEOPLE CONTINUE TO WORK IN THESE FACILITIES IN AN UNFAVORABLE WORK ENVIRONMENT.

NC MCB CAMP LEJEUNE NC MECH/STRUCT/ELECT RPRS, BRIG 1041 \$517

PROJECT REPLACES ANTIQUATED AND DETERIORATED PLUMBING, ELECTRICAL FIXTURES, AND REPLACE DEFECTIVE CERAMIC TILE AND SHOWER PANS IN THE BRIG. THE FACILITY WAS CONSTRUCTED IN 1969. PLUMBING FIXTURES ARE LEAKING AND CAUSING STRUCTURAL DAMAGE TO FACILITY.

NC MCB CAMP LEJEUNE NC MAJOR REPAIR TO M324 \$1,200

MAJOR INTERIOR AND EXTERIOR RENOVATION OF THIS FACILITY TO INCLUDE ROOF, MECHANICAL, ELECTRICAL, BATHROOMS, PLUMBING, FLOORS, WALLS AND CEILINGS. THIS 20,600 SF FACILITY WAS CONSTRUCTED IN THE 1950'S AND IS PLANNED TO BE USED FOR THE CONSOLIDATION OF LOGISTICS TRAINING AT MCSSS.

NC MCB CAMP LEJEUNE NC REPLACE HVAC SYSTEMS HP105 BARRACKS \$648
BARRACKS

REPLACE EXISTING DETERIORATED HVAC SYSTEMS COMPLETE, ON EACH FLOOR. STRUCTURAL MODS WILL BE REQUIRED AND DUCT WORK CONSTRUCTIN ALL MOTORIZED FANS ARE TO BE INSTALLED AT THE ROOF TOP LEVEL, ELIMINATEING NEED FOR FANS IN EACH ROOM.

NC MCB CAMP LEJEUNE NC REPLACE HVAC SYSTEMS HP-115, BEQ \$648
BARRACKS

REPLACE EXISTING HVAC SYSTEM WITH NEW AIR HANDLERS ON EACH FLOOR. STRUCTURAL MODIFICATIONS WILL BE REQUIRED ON EACH FLOOR. EXISTING SYSTEM IS POORLY DESIGNED AND IS SUBJECT TO FREQUENT BREAKDOWNS, RESULTING IN HIGH MAINTENANCE, PERSONAL PROPERTY DAMAGE, AND STRUCTURAL DAMAGE. THE QUALITY OF LIFE OF MARINES IS SEVERELY IMPACTED.

NC MCB CAMP LEJEUNE NC REPLACE HVAC SYSTEMS HP125 BARRACKS \$648
BARRACKS

REPLACE EXISTING HVAC SYSTEMS WITH NEW AIR HANDLERS ON EACH FLOOR. STRUCTURAL MODIFICATIONS WILL BE REQUIRED ON EACH FLOOR. ALSO, EXISTING EXHAUST SYSTEMS WILL BE REPLACED WITH NEW DUCT SYSTEMS AND EXHAUST FANS WILL BE ON ROOF, ELIMINATE NEED FOR FANS IN EACH ROOM. NEW SYSTEM IS MORE EFFICIENT AND WILL IMPROVE QUALITY OF LIFE OF MARINES.

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|----|---|-------------------------------------|-------|
| NC | MCB CAMP LEJEUNE NC
BARRACKS | REPLACE HVAC SYSTEMS HP135 BARRACKS | \$648 |
| | REPLACE EXISTING HVAC SYSTEM WITH NEW AIR HANDLERS ON EACH FLOOR. STRUCTURAL MODIFICATIONS WILL BE REQUIRED ON EACH FLOOR. EXISTING SYSTEM IS POORLY DESIGNED AND IS SUBJECT TO FREQUENT BREAKDOWNS. RESULTING IN HIGH MAINTENANCE, PERSONAL PROPERTY DAMAGE, AND STRUCTURAL DAMAGE. QUALITY OF LIFE OF MARINES IS SEVERELY IMPACTED. | | |
| NC | MCB CAMP LEJEUNE NC
BARRACKS | REPLACE HVAC SYSTEMS HP145 BARRACKS | \$648 |
| | REPLACE EXISTING HVAC SYSTEM WITH NEW AIR HANDLERS IN EACH FLOOR. STRUCTURAL MODIFICATIONS WILL BE REQUIRED ON EACH FLOOR. EXISTING SYSTEM IS POORLY DESIGNED AND IS SUBJECT TO FREQUENT BREAKDOWNS, RESULTING IN HIGH MAINTENANCE, PERSONAL PROPERTY DAMAGE, AND STRUCTURAL DAMAGE. THE QUALITY OF LIFE OF MARINES IS SEVERELY IMPACTED. | | |
| NC | MCB CAMP LEJEUNE NC
BARRACKS | REPLACE HVAC SYSTEMS HP155 BARRACKS | \$648 |
| | REPLACE EXISTING HVAC SYSTEM WITH NEW AIR HANDLERS ON EACH FLOOR. STRUCTURAL MODIFICATIONS WILL BE REQUIRED ON EACH FLOOR. EXISTING SYSTEM IS POORLY DESIGNED AND IS SUBJECT TO FREQUENT BREAKDOWNS, REUSLTING IN HIGH MAINTENANCE, PERSONAL PROPERTY DAMAGE, AND STRUCTURAL DAMAGE. THE QUALITY OF LIGE OF MARINES IS SEVERELY IMPACTED. | | |
| NC | MCB CAMP LEJEUNE NC
BARRACKS | RPL HVAC SYSTEMS, BLDG 1042 | \$850 |
| | REPLACE EXISTING DETERIORATED HVAC SYSTEMS COMPLETE, WITH CENTRALIZED SYSTEM CONSISTING OF PACKAGE AIR COOLED CHILLERS, PUMPS AND AN INSULATED DUCT SYSTEM WITH AIR HANDLERS IN NEW MECHANICAL ROOMS OF EACH DECK. STRUCTURAL | | |

MODIFICATIONS WILL BE REQUIRED ON EACH DECK TO PROVIDE MECHANICAL ROOM SPACE FOR THE AIR HANDLERS AND DUCT WORK CONSTRUCTION. ALSO, REPLACE EXISTING EXHAUST SYSTEMS ON ALL DECKS, TO INCLUDE NEW DUCT SYSTEMS.

NC MCAS NEW RIVER NC REPAIR SPALLS/JOINTS, MAT 5 AND 7 \$1,320

THIS PROJECT WILL MAKE NECESSARY REPAIRS TO SPALLED CONCRETE AND DEFECTIVE EXPANSION JOINTS IN THE ENTIRE MAT 7 AREA. DEFECTIVE CONCRETE SURFACES AND JOINTS WILL BE SAWED OUT AND PATCHED/ RESEALED PER DESIGN REQUIREMENTS FOR AIRCRAFT PARKING AND TRAMWAYS. THIS PROJECT WILL CORRECT DEFECTIVE/DAMAGED AIRCRAFT PARKING AND TRAFFIC AREAS, ELIMINATING ANY HAZARDS TO AIRCRAFT.

NC MCAS NEW RIVER NC REPLACE STORM DAMAGED ROOFS ON FIVE HANGARS, \$2,700

REPAIRS ROOFS OF FIVE AIRCRAFT HANGARS THAT WERE DAMAGED DURING HURRICANE FRAN.

NC MCAS NEW RIVER NC INTERIOR REPAIRS, 5 HANGARS-FRAN \$2,430

REPAIRS THE INTERIORS OF HANGARS DAMMAGED DURING HURRICANE FRAN WHEN ROOFS LEAKED.

SC MCAS BEAUFORT SC REPAIRS TO BLDG 616 \$650

REPLACE WINDOWS, DECREASING THE AMOUNT OF WINDOWS AND IMPROVING THERMAL PROPERTIES. INFILL EXCESS OPENINGS AND REFINISH EXTERIOR. REPAINT INTERIOR AND INTERIOR DOORS. REPLACE HVAC SYSTEM WITH AIR COOLED CHILLER AND SPLIT ZONE AIR HANDLERS. REPAIR RESTROOMS AND UPGRADE TO MEET HANDICAP REQUIREMENTS. REPAIR BUILDING STRUCTURES TO MEET CURRENT SEISMIC REQUIREMENTS.

SC MCAS BEAUFORT SC REPAIRS TO BLDG 596 \$1,250

PROJECTS REPAIRS APPROXIMATELY 17,000 SF TRAINING FACILTIY BUILT IN 1959. WORK INCLUDES REPLACING WINDOWS, CEILING, FLOOR TILE, AND HEATING AND VENTILATION SYSTEMS. HANDICAP ACCESS AND SEISMIC UPGRADES WILL BE INCLUDED IN PROJECT. FAILURE TO EXECUTE PROJECT WILL RESULT IN CONTINUED HIGH MAINTENANCE AND UTILITY COSTS. HANDICAP INDIVIDUALS WILL NOT HAVE ADEQUATE ACCESS TO THIS FACILTIY.

SC MCAS BEAUFORT SC REPAIRS TO AIRFIELD PAVEMENTS \$980

PROJECT REMOVES AND REPLACES DETERIORATED SECTIONS OF AIRCRAFT PAVEMENTS (APPROXIMATELY 10,000 SY). HIGH VOLUME OF FOREIGN OBJECTS ACCUMULATE ON TAXIWAYS, RUNWAYS, AND PARKING APRONS DUE TO DETERIORATED CONDITIONS. INGESTION OF THIS MATERIAL INTO AN AIRCRAFT ENGINE WILL RESULT IN COSTLY DAMAGE TO THE EQUIPEMNT AND POSSIBLE INJURY TO PERSONNEL.

SC MCAS BEAUFORT SC REPRS TO HIGH TEMP HOT WATER SYSTEM \$2,979
BARRACKS

PROJECT WILL REPLACE DETERIORATED/NON-FUNCTIONAL VALVES ON THE HIGH TEMPEURE HOT WATER DISTRIBUTION SYSTEM THROUGHOUT THE ACTIVITY. IT WILL ALSO PROVIDE SOME PIPING REPAIR, PIT/TRENCH REPAIRS AND SUMP PUMP REPLACEMENT. THE ISOLATION VALVES THROUGHOUT THE DISTRIBUTION SYSTEM HAVE DETERIORATED TO THE POINT THAT UTILITIES PERSONNEL CAN NOT ISOLATE AREAS FOR MAINTENANCE AND THE OPERATION OF THESE VALVES IS DANGEROUS.

SC MCRD PARRIS ISLAND SC RENOVATE FITNESS CENTER/GYM \$756

PROJECT PROVIDES FOR COMPLETE RENOVATION OF CURRENT FITNESS CENTER AND AIR CONDITIONING OF DEPOT GYM. DETERIORATED CONDITION OF FACILITY DOES NOT ALLOW MILITARY PERSONNEL ADEQUATE MEANS TO MEET AND MAINTAIN INDIVIDUAL PHYSICAL FITNESS REQUIREMENTS. FAILURE TO REPAIR WILL RENDER THE FACILITY UNUSABLE, GREATLY IMPACTING ON THE MORALE AND THE ABILITY OF MARINES TO MAINTAIN QUALITY OF FITNESS TRAINING.

VA MCCDC QUANTICO VA REPAIR ROADS, MAINSIDE \$1,100

THIS PROJECT PROVIDES FOR REPAIRS TO APPROXIMATELY 48,400 SY OF ROAD SURFACE. THE COMBINED EFFECTS OF HEAVY TRAFFIC AND SEVERE WEATHER CONDITIONS HAVE CAUSED THESE ROADS TO DETERIORATE TO A MARGINAL CONDITION. DEFERRAL OF THE REQUIRED REPAIRS WILL RESULT IN FURTHER DAMAGE TO THE BASE COURSE FROM FREEZING, THAWING AND IMPROPER DRAINAGE.

VA	MCCDC QUANTICO VA	REPAIR BUILDING 3040	\$617
	PROJECT REPAIRS WINDOWS, DOORS, HOT AND COLD WATER LINES, HEATING SYSTEM, ELECTRICAL, AND SPRINKLERS. THIS 9,200 SF APPLIED INSTRUCTION AND MAINTENANCE FACILITY IS EXTREMELY DETERIORATED. THE WORKING ENVIRONMENT IS INEFFICIENT AND UNSAFE.		
VA	MCCDC QUANTICO VA	REPAIR BATHROOMS, BLDG 2001 & BLDG 2002 BARRACKS	\$952
	PROJECT REPAIRS 108 BATHROOMS IN BARRACKS. BATHROOMS ARE SHARED BY 2 OR 3 MARINES. WORK WILL REPAIR LEAKY PIPING, FIXTURES AND DAMAGED WALLS, CEILINGS AND FLOORS.		
VA	MCCDC QUANTICO VA	REPAIR BATHROOMS - BLDG 2003 BARRACKS	\$714
	PROJECT REPAIRS 108 BATHROOMS IN BARRACKS. BATHS ARE USED BY 2 OR 3 MARINES EACH. WORK WILL REPAIR LEAKY PIPING, FIXTURES AND DAMAGED WALLS, CEILINGS AND FLOORS.		
VA	MCCDC QUANTICO VA	REPAIR BATHROOMS - BLDG 2005 BARRACKS	\$687
	REPLACE BATHROOM FIXTURES, PIPING, DRYWALL ON METAL STUDS, WALL AND FLOOR TILE IN 108 BATHROOMS IN THIS BARRACKS. NUMEROUS LEAKS CAUSE DETERIORATION OF DRYWALL, TILE BACKING, AND FLOORS. THE QUALITY OF LIFE OF MARINES WILL BE NEGATIVELY IMPACTED AND THE STRUCTURE WILL BE CONTINUE TO DETERIORATE.		
VA	MCCDC QUANTICO VA	REPAIR DALY HALL, BLDG 2079	\$2,200
	REPAIR 37,000 SF FACILITY FOR USE BY THE MARINE CORPS SYSTEMS COMMAND. REPAIRS TO THE PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS, INTERIOR FINISHES, AND FIRE PROTECTION SYSTEMS. THESE REPAIRS ARE NECESSARY TO BRING THIS FACILITY INTO COMPLIANCE WITH CURRENT BUILDING CODES AND LIFE SAFETY CODES.		
VA	MCCDC QUANTICO VA	REMOVE COAL EQUIPMENT	\$1,000
	PROJECT REMOVES THE COAL HANDLING EQUIPMENT FROM INTERIOR AND EXTERIOR OF		

CENTRAL HEATING PLANT. THE COAL EQUIPMENT IS UNUSED AND DETERIORATING SINCE CONVERSION OF THE PLANT TO NATURAL GAS. DEFERRAL OF THIS PROJECT WILL CAUSE RAPID DETERIORATION, EVENTUALLY BECOMING A SAFETY HAZARD.

TOTAL:

\$68,046

REAL PROPERTY MAINTENANCE ACTIVITIES
 FY 1999 PRESIDENT'S BUDGET
 OPERATIONS AND MAINTENANCE, MARINE CORPS
 Real Property Maintenance and Minor Construction Projects
 (Projects over \$500 thousand, FY 1998)
 (In Thousands of Dollars)

			<u>(\$000)</u>
AZ	MCAS YUMA AZ	ROOF REPAIRS, VARIOUS BLDGS BARRACKS REPAIR ROOFS ON 9 BUILDINGS TOTALING APPROXIMATELY 100,000 SF. REPAIR WORK VARIES FROM COMPLETE REPLACEMENT TO MINOR REPAIRS. ROOFS ARE IN DIFFERENT STAGES OF DETERIORATION, AND DUE TO THE EXTREME TEMPERATURES, WILL CONTINUE TO EXPERIENCE ACCELERATED DETERIORATION AND FAILURE.	\$504
AZ	MCAS YUMA AZ	REPAIR ELECTRICAL DISTRIBUTION, PHASE VI THIS PROJECT REPAIRS THE STATIONS ELECTRICAL DISTRIBUTION SYSTEM BY REBUILDING EXISTING FEEDER CIRCUITS, REPLACING EXISTING UNDERGROUND FEEDER CIRCUITS, REPLACE DETERIORATED WOODEN POLES AND REPLACING ANCILLARY EQUIPMENT. IF NOT REPAIR, REPAIRS WILL BECOME EXTREMELY COSTLY ON A BREAKDOWN BY BREAKDOWN BASIS.	\$537
CA	MCLB BARSTOW CA	REPAIR ELECTRICAL CIRCUIT, NEBO REPAIR APPROXIMATELY 3,400 LF FROM POLE TO POLE OF EXISTING OBSOLETE 4.16KV ELECTRICAL DISTRIBUTION SYSTEM FEEDING THE DESERT VIEW AND ENIWETOK HOUSING AREAS.	\$1,230
CA	MCLB BARSTOW CA	DEMOLITION OF VAR BLDGS DEMOLITION OF THREE BUILDINGS, ASBESTOS REMOVAL, LEAD PAINT REMOVAL, SITE RESTORATION AND OFF BASE DISPOSAL OF DEBRIS.	\$925
CA	MCAS MIRIMAR CA	REPAIR MAINT HANGAR 3, BLDG 500 REPAIRS 163,000 SF AIRCRAFT MAINTENANCE HANGAR BUILT IN 1957. REPLACE ROOF.	\$4,854

REPAIR HANGAR DOORS, HVAC, AND PLUMBING SYSTEMS. UPGRADE FIRE PROTECTION SYSTEM. PAINT INTERIOR AND EXTERIOR OF BUILDING.

CA MCAS MIRIMAR CA REPAIR MAINT HANGAR 1, BLDG K277 \$5,850

REPAIRS TO 153,000 SF AIRCRAFT MAINTENANCE HANGAR BUILT IN 1957. REPAIR FIRE DETECTION AND SUPPRESSION SYSTEM, HVAC, AND PLUMBING. REPAIR HANGAR DOORS, BATHROOMS, WINDOWS, AND DOORS. PAINT EXTERIOR AND INTERIOR OF FACILITY.

CA MCAS MIRIMAR CA RPR MALS-11 AIRGROUND WAREHOUSE, E139 \$1,454

REPAIR WW II ERA, 43,000 SF AIRGROUND WAREHOUSE. REPLACE ROOF AND ROLL UP DOORS. REPAIR MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS. UPGRADE FIRE PROTECTION AND SUPPRESSION SYSTEMS. REMOVE ASBESTOS CONTAINING MATERIALS.

CA MCB CAMP PENDLETON CA REPAIR BEQS, HORNO BARRACKS \$1,887

REPAIR 5 BEQS BUILT IN 1975. FACILITIES ARE PERMANENT CONCRETE STRUCTURES WITH BADLY DETERIORATED HEADS, SHOWERS AND LAUNDRY FACILITIES. DUE TO BADLY DETERIORATED PLUMBING AND MECHANICAL SYSTEMS, THERE IS HEAVY LEAKING AND FLOODING OF LOWER FLOORS. FAILURE TO REPAIR THESE FACILITIES WILL JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE STRUCTURES AND CONTINUE TO PROVIDE SUBSTANDARD LIVING CONDITIONS FOR MARINES.

CA MCB CAMP PENDLETON CA RPR ELECTRICAL DIST SYSTEM, MCMWTC \$1,267

REPAIR/REPLACE DETERIORATED AND INEFFICIENT STREET LIGHTING AND AND POLES, DISTRIBUTION AND EMERGENCY GENERATOR SYSTEMS TO MEET CURRENT ENVIRONMENTAL, ENERGY AND SAFETY REGULATIONS. CONTINUED NEGLECT WILL RESULT IN MORE FREQUENT OUTAGES, ADVERSELY IMPACTING ON MISSION CAPABILITY.

CA MCB CAMP PENDLETON CA RPR BLDG 13150 - HQ BN AND LEGAL/COURTS \$1,751

PROJECT WILL REPLACE ROOF, SEISMICALLY UPGRADE, REPAIR PLUMBING, MECHANICAL, AND ELECTRICAL SYSTEMS, AND REPAIR INTERIOR FINISHES TO THIS 1940'S VINTAGE BUILDING. FACILITY WILL BE OCCUPIED BY THE LEGAL BRANCH AND THE BASE HEADQUARTERS.

CA	MCB CAMP PENDLETON CA	REPAIR BLDG 210701, I MEF ADMIN	\$737
	<p>PROJECT REPAIRS MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION SYSTEMS, INTERIOR FINISHES, DOORS AND WINDOWS IN THIS WORLD WAR II VINTAGE FACILITY TO BE OCCUPIED BY THE I-MEF COMMAND ELEMENT. EXISTING FACILITY UTILIZED BY I MEF WILL BE DEMOLISHED. THIS PROJECT WILL BRING THIS FACILITY INTO COMPLIANCE WITH CURRENT BUILDING AND LIFE/SAFETY CODES.</p>		
CA	MCB CAMP PENDLETON CA	REPAIR BLDG 210721, I MEF ADMIN	\$880
	<p>PROJECT REPAIRS MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION SYSTEMS, INTERIOR FINISHES, WINDOWS AND DOORS IN THIS WORLD WAR TWO VINTAGE FACILITY TO BE OCCUPIED BY I-MEF COMMAND ELEMENT. THE CURRENT BUILDING OCCUPIED BY I MEF WILL BE DEMOLISHED. THIS PROJECT WILL BRING THIS FACILITY INTO COMPLIANCE WITH CURRENT BUILDING AND LIFE/SAFETY CODE REQUIREMENTS.</p>		
CA	MCB CAMP PENDLETON CA	REPAIR BLDG 210722, I MEF ADMIN	\$842
	<p>PROJECT REPAIRS FIRE PROTECTION, PLUMBING, MECAHNICAL, AND ELECTRICAL SYSTEMS, INTERIOR FINISHES, WINDOWS AND DOORS IN THIS WORLD WAR II VINTAGE FACILITY TO BE OCCUPIED BY I-MEF COMMAND ELEMENT. THE CURRENT FACILITY USED BY I MEF WILL BE DEMOLISHED. THIS PROJECT WILL BRING THIS BUILDING INTO COMPLIANCE WITH CURRENT BUILDING, AND LIFE/SAFETY CODE REQUIREMENTS.</p>		
CA	MCB CAMP PENDLETON CA	REPAIR BEQ 22209 BARRACKS	\$1,425
	<p>SEISMIC ANALYSIS AND UPGRADE. REPAIR ALL CONCRETE SPALLS AND CRACKS. REPLACE ROOFTOP MOUNTED ASBESTOS BOARD EQUIPMENT SCREEN AND ASBESTOS PIPE INSULATION. REPLACE DETERIORATED ROOFTOP HVAC EQUIPMENT, ROOF ACCESS HATCH, FLASHING, GUTTERS, DOWN SPOUTS AND ROOFING. REPLACE ALL EXTERIOR WINDOW WALL-DOOR UNTIS. REPAIR PLUMBING TO INCLUDE REPIPE HOT AND COLD WATER LINES, TOILETS, SHOWERS AND LAUNDRY ROOM.</p>		
CA	MCB CAMP PENDLETON CA	REPAIR BEQ 22212	\$2,488

BARRACKS

SEISMIC ANALYSIS AND UPGRADE. REPAIR CONCRETE SPALLS AND CRACKS. REPLACE ROOFTOP MOUNTED ASBESTOS BOARD EQUIPMENT SCREEN AND ASBESTOS PIPE INSULATION. REPLACE DETERIORATED ROOFTOP HVAC EQUIPMENT, ROOF ACCESS HATCH, FLASHINGS, GUTTERS, DOWN SPOUTS AND ROOFING. REPLACE ALL EXTERIOR WALL-DOOR UNITS. REPAIR PLUMBING TO INCLUDE REPIPE HOT AND COLD WATER LINES, TOILETS, SHOWERS, AND LAUNDRY ROOM.

CA MCB CAMP PENDLETON CA RPR ROOF, HEATING, 2002/5006-MWTC \$684
BARRACKS

PROJECT REPAIRS THE HEATING SYSTEM, PLUMBING, AND ROOFS OF TWO BARRACKS AT THE MOUNTAIN WAREFARE TRAINING CENTER. THE EXISTING ROOFS LEAK UNDER THE HEAVY SNOW BUILD UP IN THIS AREA. THE HEAT AND DOMESTIC WATER SYSTEMS ARE OFTEN NON OPERATIONAL. HIGH MAINTENANCE COSTS ARE OCCURRING. QUALITY OF LIFE OF MARINES WILL BE NEGATIVELY IMPACTED.

CA MCB CAMP PENDLETON CA RPR ROOF & HEATING SYS, 3006-MWTC \$684

REPLACE DAMAGED OR CONSTRICTED PIPING, REPLACE DOMESTIC WATER HEATING SYSTEM, REPLACE HEAT EXCHANGER, CHEMICAL FLUSH AND CLEAN EXISTING PIPING SYSTEM, INSTALL ENERGY EFFICIENT ENERGY CONTROL SYSTEM.

CA MCB CAMP PENDLETON CA REPAIR POWER LINE TO ASP AND 3 SECURITY TOWER \$928

PROJECT REPLACES AGED AND DETERIORATED OVERHEAD POWERE LINES, AND REPLACES 3 SECURITY TOWERS AT THE PULGAS AMMUNITION SUPPLY POINT. THE OVERHEAD LINES ALSO CREATE A HAZARD DUE TO THE PROXIMITY TO THE MAGAZINES. THE TOWERS ARE THE ONLY ELEVATED POINTS WHERE SENTRIES CAN SEE THE AMMUNITION MAGAZINES, BUT DUE TO EXTREME DETERIORATION, THE TOWERS ARE DEEMED UNSAFE. SECURITY OF THE ASP IS A MAJOR CONCERN.

CA MCB CAMP PENDLETON CA REPAIR 4 RANGES EDSON RANGE \$3,726

PROJECT REPAIRS 4 RANGES AT EDSON RANGE BY REBUILDING IMPACT BERMS, REPAIR WATER SYSTEM, HEADS, COMMUNICATION AND ELECTRICAL SYSTEMS, AND FIRING LINES. RANGES WERE CONSTRUCTED IN 1950'S AND PROVIDE MARKSMANSHIP TRAINING TO MC RECRUITS. FAILURE TO EXECUTE WILL RESULT IN REDUCED MARKSMANSHIP TRAINING AND READINESS.

CA	MCB CAMP PENDLETON CA	MAINTENANCE DREDGING, OCEANSIDE HARBOR	\$900
<p>HOUSE DOCUMENT NO 76, 89TH CONGRESS, 1ST SESSION DIRECTS PERIODIC DREDGING OF OCEANSIDE HARBOR, CAMP PENDLETON TO BE FUNDED BY THE ARMY AND MARINE CORPS. THIS IS THE MARINE CORPS PORTION.</p>			
CA	MCRD SAN DIEGO CA	REPAIR STEAM TUNNEL, PH III	\$2,348
<p>PROVIDES FOR THE REPLACEMENT OF DEPOT WIDE STEAM AND CONDENSATE TUNNEL SYSTEM W/ PRE-INSULATED DIRECT BURIED PARALLEL SYSTEM. TUNNEL DEMOLISH IS REQUIRED TO REMOVE HAZARDOUS ASBESTOS INSULATION AND ELIMINATE FRAGILE TUNNEL SYSTEM THAT IS A DANGER TO ALL DEPOT PERSONNEL. FAILURE TO PROVIDE DIRECT BURIED SYSTEM WILL CONTINUE TO WASTE PRECIOUS NATURAL RESOURCES AND UTILITY FUNDS THAT COULD BE APPLIED TO OTHER HIGH PRIORITY CONCERNS.</p>			
CA	MCRD SAN DIEGO CA	RPR/RPL NATURAL GAS MAINS BASEWIDE	\$558
<p>PROJECT WILL REPLACE APPROXIMATELY 10,680 LINEAR FT OF BURIED 2,3 AND 4 INCH STEEL NATURAL GAS PIPE AND REPAIR APPROXIMATELY 38 LIEAKY FITTINGS OR VALVES. CURRENT SYSTEM IS 40 YRS OLD NEW BURIED PIPE WILL BE POLYETHYLENE IN ORDER TO ELIMINATE FUTURE CORROSION.</p>			
CA	MCAGCC TWENTYNINE PALMS CA	SEISMIC REPAIRS 2 BEQS BARRACKS	\$1,314
<p>SEISMIC REPAIR AND UPGRADE OF TWO BEQS TOTALLING 84,000 SF. A STUDY CONDUCTED BY WESTERN DIVISION ENGINEERING FIELD DIVISION DETERMINED THAT THESE STRUCTURES ARE INCAPABLE OF WITHSTANDING AN EARTHQUAKE OF ANY GREAT MAGINTUDE ALONG THE SAN ANDREA 'S FAULT (ABOUT 26 MILES SW OF MCAGCC). PROTECTION OF PERSONNEL IS PARAMOUNT REASON FOR PERFORMING THIS PROJECT.</p>			
CA	MCAGCC TWENTYNINE PALMS CA	REPAIR CONDOR ROAD	\$900
<p>REBUILD CONDOR ROAD FROM 10TH STREET TO APPROX 300 FEET BEYOND THE CMA ENTRANCE ROAD. REBUILD THE SHOULDERS OUT ONE (1) METER ON EACH SIDE OF THE PAVING.</p>			

INCLUDE MERGING AND TURNING LANES (SAFETY) AT THE CONSOLIDATED AMMUNITION STORAGE AREA (CMA). RESTRIPE ROAD AS REQUIRED.

HI MCAS KANEOHE HI GEN RPRS TO WHSE, B-250 \$876

PROVIDE STRUCTURAL REPAIRS, MAINTENANCE, AND FIRE PROTECTION TO THIS FACILITY CONSTRUCTED IN 1943. WOODEN CLERESTORY HAS DEVELOPED CRACKS REQUIRING ADDITIONAL SUPPORTS FOR LIFE SAFETY. WINDOWS ARE DETERIORATED AND REQUIRING REPLACEMENT. NO FIRE PROTECTION EXISTS IN BUILDING.

HI MCAS KANEOHE HI ROOF MAINTAINENCE, B 209 \$662

REMOVE AND REPLACE PITCH AND GRAVEL ROOF AT THE BASE SLUPPLY BUILDING INSTALL GRAVEL STOPS, RAIN GUTTERS AND DOWNSPOUT.

HI MCAS KANEOHE HI ELECT RPRS, B 220-224 BARRACKS/CLASSROOMS \$2,790

BARRACKS
INCLUDES COMPLETE INTERIOR REWIRING OF POWER AND LIGHTING CIRCUITS, REPALCEMENT OF RECEPTACLES, SWITHCES, PANEL BOXES, AND LIGHT FIXTURES. EXT ELECTRICAL WORK INCLUDES UPGRADE OF A TRANSFORMER AND FEEDER CABLES TO BUILDINGS. REPLACE WOODEN AWNING WINDOW SCREN FRAMES, REPAIR INTERIOR DAMAGED PLASTER WALLS AND INTR/EXTR PAINTING.

JA MCAS FUTENMA JAPAN REPAIR WATER LINES B/217 \$1,400
BARRACKS

REMOVE ALL EXISTING RUSTED AND CORRODED DUAL CHILLED/HOT WATER SUPPLY, RETURN AND DRAIN PIPING AND DOMESTIC HOT/COLD WATER LINES INCLUDING PIPE INSULATION AND REPLACE WITH NEW. REPLACE ALL EXISTING ASBESTOS CEILING TILES SUSPENSION SYSTEM WITH NEW AND ASBESTOS INSULATION MATERIAL WITH NEW NON-ASBESTOS MATERIALS. REPLACE ALL INTERIOR ROOM AND HALLWAY CORRIDOR LIGHTING FIXTURES FOR THE BLDG.

JA MCAS IWAKUNI JA REPAIR AIRFIELD RUNWAY AND TAXIWAY \$2,878

ROUT AND RE-SEAL CRACKS, AND REPLACE DETERIORATED JOINT SEALER AND EXPANSION JOINTS IN THE AIRFIELD RUNWAY AND PARALLEL TAXIWAY. VARIOUS SECTIONS OF THE RUNWAY AND PARALLEL TAXIWAY PAVEMENT HAVE DETERIORATED AND INCREASED FOD HAZARDS.

JA	MCAS IWAKUNI JA	REPAIR/REPLACE STEAM SYSTEM PIPING, B-222	\$1,218
		REPLACES DETERIORATED STEAM AND WATER PIPING AND RELATED MECHANICAL EQUIPMENT IN THE BASE MESSHALL.	
JA	MCAS IWAKUNI JA	DEMOLISH VARIOUS BLDGS	\$761
		DEMOLISHES 19 OLD UNNEEDED BUILDINGS.	
JA	MCAS IWAKUNI JA	REPAIRS TO INDOOR TRAINING POOL B-1010	\$794
		REMOVE WORN PAINT FROM INDOOR TRAINING POOL SURFACES AND PROVIDE POLY VINYL CHLORIDED LINING AT B-1010, STATION GYM. WORK ALSO INCLUDES MECHANICAL EQUIPMENT REPAIR RELATED TO THE POOL AND LOCER ROOMS.	
JA	CAMP BUTLER JAPAN	CORR FP SYSTEM B/401	\$883
		PROVIDE A WET PIPE SPRINKLER SYSTEM IN A WAREHOUSE IN ORDER TO COMPLY WITH FIRE CODES. THE EXISTING FIRE PROTECTION IS A FIRE HOSE RACK SYSTEM WHICH IS MANUAL AND 40 YEARS OLD. IT WILL NOT BE EFFECTIVE IN CASE OF FIRE.	
JA	CAMP BUTLER JAPAN	CORR FP SYS B/801	\$553
		PROVIDE A WET PIPE SPRINKLER SYSTEM IN A WAREHOUSE IN ORDER TO COMPLY WITH FIRE CODES. THE EXISTING FIRE PROTECTION IS A FIRE HOSE RACK SYSTEM WHICH IS MANUAL AND 40 YEARS OLD. IT WILL NOT BE EFFECTIVE IN CASE OF FIRE.	
JA	CAMP BUTLER JAPAN	CORR FP SYSTEM B/400	\$914
		PROVIDE A WET PIPE SPRINKLER SYSTEM IN A WAREHOUSE IN ORDER TO COMPLY WITH FIRE CODES. THE EXISTING FIRE PROTECTION IS A FIRE HOSE RACK SYSTEM WHICH IS MANUAL AND 40 YEARS OLD. IT WILL NOT BE EFFECTIVE IN CASE OF FIRE.	
JA	CAMP BUTLER JAPAN	REPAIR BRIG LOCKING SYSTEM	\$1,200

REPAIR LIFE SAFETY DEFECENCIES IN THE LOCKING SYSTEM BY INSTALLING A MANUAL BACK UP RELEASE SYSTEM. THE RELEASE SYSTEM IS NEEDED TO OPEN ALL THE PRISONERS CELL DOORS DURING FIRE OR EMERGENCY SITUATION.

JA	CAMP BUTLER JAPAN	REPAIR COOK CHILL MESSHALL FOOD PREP FACILITY	\$583
		REPAIR DEFECTIVE ELECTRICAL DISTRIBUTION SYSTEM AND POWER SUPPLY. REPAIR MECHANICAL SYSTEMS. REPAIR AND SEAL CRACKS AND REPAINT. PROVIDE FIRE RATED DOOR AND WALL.	
JA	CAMP BUTLER JAPAN	REPLACE A/C SYSTEM BEQ BARRACKS	\$788
		REPLACE EXISTING AIR CONDITIONING SYSTEMS IN TWO BEQS AT CAMP KINSER. SYSTEMS ARE APPROACHING THE END OF THEIR USEFUL LIFE CYCLE AND ARE SHOWING SIGNS OF DETERIORATION AND HIGH MAINTENANCE. FAILURE OF SYSTEMS WILL RESULT IN DAMAGE TO FACILITIES AND NEGATIVELY IMPACT ON QUALITY OF LIFE OF MARINES.	
JA	CAMP BUTLER JAPAN	DEMO VARIOUS BLDGS	\$860
		DEMOLISHES 16 OLD AND UNNEEDED FACILITIES AND PROPERLY DISPOSES OF LEAD PAINT ASBESTOS AND OTHER DEBRIS.	
JA	CAMP BUTLER JAPAN	REPLACE AC SYS VAR BOQ BARRACKS	\$590
		REPLACES INADEQUATE AIR CONDITIONING IN THREE BARRACKS. THE EXISTING OUTDOOR UNITS ARE EXPOSED TO DIRECT SEA WIND AND CONDENSER FINS ARE EXCESSIVELY DETERIORATED AND WORKING INNEFFICIENTLY. WILL BE MADE CFC COMPLIANT.	
JA	CAMP BUTLER JAPAN	REPLACE AC SYS VAR BEQ BARRACKS	\$1,230
		REPLACES INADEQUATE AIR CONDITIONING IN THREE BARRACKS. THE EXISTING OUTDOOR UNITS ARE EXPOSED TO DIRECT SEA WIND AND CONDENSER FINS ARE EXCESSIVELY DETERIORATED AND WORKING INNEFFICIENTLY. WILL BE MADE CFC COMPLIANT.	
NC	MCAS CHERRY PT NC	REPL ROOF, DOORS & WINDOWS BLDG 149	\$1,333

REPLACE 39,000 SF ROOF IN THIS HAZARDOUS MATERIAL STORAGE FACILITY. WORK ALSO INCLUDES REPLACEMENT OF SLIDING OR CARGO DOORS WITH OVERHEAD DOORS, AND REPLACEMENT OF WINDOWS. THE STRUCTURAL INTEGRITY OF THE BUILDING IS IN QUESTION DUE TO THE WEAK ROOFING SYSTEM. FACILITY IS UNDER-UTILIZED DUE TO WET CONDITIONS, AND WAREHOUSE PERSONNEL ARE EXPOSED TO HAZARDS CAUSED BY THE WEAK ROOFING SYSTEM.

NC MCAS CHERRY PT NC REPAIR ROOFS, 86/91/122/199/1795/3919 \$808

REPLACE ROOFING, SHEATHING, AND FLASHING ON 6 BLDGS (80,000 SF). ROOFS ARE CRACKING AND CONTINUALLY LEAKING RESULTING IN DAMAGE TO STRUCTURE AND BUUILDING CONTENTS. DETERIORATION AND AGE OF ROOFS RENDER PATCHING INEFFECTIVE.

NC MCAS CHERRY PT NC REPLACE WATER SOFTENERS AT CHP \$587

PROVIDE WATER SOFTENING UNITS, RESINS, PUMPING, METERING AND RELATED PIPING AND APPURTENANCES FOR BOILER WATER AT THE CENTRAL HEATING PLANT.

NC MCAS CHERRY PT NC REPAIRS TO STEAM AND CONDENSATE SYSTEM \$852

REMOVE EXISTING UNDERGROUND CONDENSATE PIPING FROM MANHOLE 49 TO 221 AND ACROSS THE AIRCRAFT PARKING APRON TO HANGAR 131. REMOVE EXISTING UNDERGROUND FIBERGLASS CONDENSATE PIPING ALONG 6TH AVE FROM MANHOLE 75 TO 60. PROVIDE NEW UNDERGROUND STEAM AND STEEL CONDENSATE PIPING FROM MANHOLE 221 TO HANGAR 131 IN TRENCH SYSTEM WITH REMOVABLE COVERS. PROVIDE NEW FEEDS WITHIN HANGAR 131 TO REPLACE THE LINES FROM MANHOLE 221 TO 222 TO HANGAR 131.

NC MCB CAMP LEJEUNE NC DEMO VARIOUS BLDGS BASEWIDE \$502

DEMOLISHES 15 OLD UNNEEDED BUILDINGS. INCLUDES ASBESTOS AND LEAD PAINT REMOVAL AND PROPER DISPOSAL OF OTHER DEBRIS.

NC MCB CAMP LEJEUNE NC DEMO VARIOUS BLDGS BASEWIDE \$504

DEMOLISHES 11 OLD UNNEEDED BUILDINGS. INCLUDES ASBESTOS AND LEAD PAINT REMOVAL

AND PROPER DISPOSAL OF OTHER DEBRIS.

NC	MCB CAMP LEJEUNE NC	DEMOLISH VARIOUS BUILDINGS	\$540
	DEMOLISHES 12 OLD UNNEEDED BUILDINGS. INCLUDES ASBESTOS AND LEAD PAINT REMOVAL AND PROPER DISPOSAL OF OTHER DEBRIS.		
NC	MCB CAMP LEJEUNE NC	REN EXISTING BLDGS TO REC FACS	\$1,000
	CAPABILITY OF SMALL FAST FOOD SECTIONS		
SC	MCAS BEAUFORT SC	REPAIR HANGARS 414, 416, 594	\$1,219
	PROJECT WILL REPLACE WORN TILE FLOOR, CEILING, TILE SYSTEM, DOORS AND DRYWALL IN WORK AND ADMIN AREAS. PROJECT WILL ALSO REPLACE DECAYING ELECTRICAL WIRING, CONDUIT, AND PANEL BOARDS TO BRING EQUIPMENT UP TO CURRENT ELECTRICAL CODE. EXTERIOR LIGHTING WILL BE REPLACED. FIRE SPRINKLER SYS WILL BE REPIPED IN 416 ABOVE HANGAR DOORS AND ALL FIRE PROTECTION PIPING WILL BE BACKWASHED AND CLEANED.		
SC	MCAS BEAUFORT SC	REPLACE TAXIWAY LIGHTS, CIRCUITS AND DIRECTIO	\$4,182
	REMOVAL OF EXISTING OBSOLETE DIRECTIONAL SIGNS, TAXIWAY LIGHTS, AND CIRCUITS. PROVIDE NEW FAA APPROVED DIRECTIONAL SIGNS, TAXIWAY LIGHTS AND CIRCUITS.		
SC	MCRD PARRIS ISLAND SC	WHOLE ROOM REPAIRS WEAPNS BN BEQ BLDG 700 BARRACKS	\$3,500
	PROJECTS RENOVATES THIS 168 PERSON BARRACKS BY REPLACING OR REPAIRING CEILINGS, FLOORS, LIGHTS, BATHROOMS, FIRE ALARM, PLUMBING, HVAC, AND DOORS. PROJECT WILL ALSO PROVIDE SEISMIC UPGRADES TO THE BUILDING. CONTINUAL USAGE AND AGE ADD TO THE RAPIDLY DETERIORATING CONDITION OF THE FACILITY. QUALITY OF LIFE OF MARINES WILL BE NEGATIVELY IMPACTED BY DELAYING THIS PROJECT.		
SC	MCRD PARRIS ISLAND SC	HVAC REPLACEMENT -HS BN BARRACKS	\$833
	BARRACKS PROVIDE FOR REPLACEMENT OF HVAC SYSTEM IN BUILDINGS 144, 145, 146, H&S BATTALION,		

TO INCLUDE PIPING AND ASSOCIATED MECHANICAL EQUIPMENT.

VA	MCAF QUANTICO VA BARRACKS	REPAIR BEQ 2108	\$1,400
	PROJECT REPAIRS THE BEQ AT THE QUANTICO AIR FACILITY. NEW LIGHTS, ROOFING, ELECTRICAL SYSTEM, DOORS AND WINDOWS, AND REPAIR OF INTERIOR FINISHES WILL BRING THIS FACILITY INTO CURRENT BUILDING AND LIFE/SAFETY CODE REQUIREMENTS.		
VA	MCCDC QUANTICO VA	REPAIR HANGAR DOORS	\$1,100
	REPAIRS HANGAR DOOR RAILS AND POCKET AREAS ON HANGARS 2102 AND 2103. HANGARS 2101, 2104, AND 2105 REQUIRE REPAIRS TO DOORS, WHEELS, SHEET METAL, WEATHER STRIPS, BUMPERS, RAILS, AND POCKET AREAS.		
VA	MCCDC QUANTICO VA	REPAIR AND OVERLAY ROADS, MAINSIDE AREA (QU55	\$2,471
	PROJECT REPAIRS APPROXIMATELY 100,000 SY OF ROADS AND PARKING SURFACES AT VARIOUS LOCATIONS AT MAINSIDE QUANTICO. ABOUT 5.6 MILES OF ROAD WILL BE REPAIRED. HEAVY USAGE, WEATHER, AND AGE RESULT IN RAPID DETERIORATION OF ASPHALT SURFACES, RESULTING IN POTHOLE, FAILURE, AND RESULTANT DAMAGE TO VEHICLES AND INJURY TO PERSONNEL. EXECUTION OF THIS PROJECT WILL HALT THE DETERIORATION AND PREVENT MORE EXPENSIVE REPAIRS IN FUTURE IF COMPLETE FAILURE OCCURS.		
VA	MCCDC QUANTICO VA	REPAIR ROOFS (13) BLDGS	\$1,900
	PROJECT PROPOSES TO REPAIR LEAKING ROOFS ON 13 BUILDING AT MCCDC. REQUIREMENT HAS DEVELOPED AS A RESULT OF A RECENT MOISTURE SURVEY.		
			\$80,384

REAL PROPERTY MAINTENANCE ACTIVITIES
 FY 1999 PRESIDENT'S BUDGET
 OPERATIONS AND MAINTENANCE, MARINE CORPS
 Real Property Maintenance and Minor Construction Projects
 (Projects over \$500 thousand, FY 1999)
 (In Thousands of Dollars)

			<u>(\$000)</u>
AZ	MCAS YUMA AZ	REPAIR AIRFIELD PAVEMENT	\$1,347
		REPAIRS 34,400 SY OF ASPHALT AIRFIELD. SURFACE HAS DEGENERATED WITH LARGE RUTS, POTHOLES, AND CRACKS. JET AIRCRAFT ARE UNABLE TO OPERATE FROM THIS FIELD, IMPACTING ON TRAINING. PAVEMENT IS 50 YEARS OLD. FOREIGN OBJECT DAMAGE IS LIFE THREATING CONDITION. USAGE OF FIELD WILL INCREASE DUE TO TUSTIN CLOSURE.	
AZ	MCAS YUMA AZ	REPAIR BEQS, 1020, 1040, AND 1060 BARRACKS	\$687
		REPAIRS 3 BEQS CONSTRUCTED BETWEEN 1954 AND 1957. THIS PROJECT WILL REPAIR THE PLUMBING AND DRAINS, AND THE BATHROOMS IN THESE FACILITIES. REPAIRS TO WALLS, CEILINGS, AND FLOORS WILL BE MADE AS NECESSARY AS A RESULT OF DAMAGE DURING CONSTRUCTION. THE PLUMBING IN THESE FACILITIES IS BEYOND PATCHING, AND IS A CAUSE OF FREQUENT LEAKS AND OUTAGES. QUALITY OF LIFE IS COMPROMISED.	
AZ	MCAS YUMA AZ	FIRE PROTECTION SYS, HANGAR 227	\$844
		INSTALL FIRE PROTECTION SYSTEM IN 36,800 SF HANGAR IN ACCORDANCE WITH REQUIREMENTS OF FIRE PROTECTION CODES. THE SYSTEM WILL BE A FOAM-WATER DELEUGE SPRINKLER TYPE. THIS HANGAR US USED FOR HOUSING AND MAINTENANCE OF HELICOPTERS AND C-12 AIRCRAFT.	

AZ MCAS YUMA AZ JOINT/CRACK REPAIR 3L/21R \$1,799

REPLACES 420,000 LF OF PORTLAND CONCRETE CEMENT (PCC) PAVEMENT JOINT SEALANT MATERIAL, REMOVES 200 CY OF PCC SLABS AND SECTION PAVEMENT, AND REPAIRS 2,000 SF OF SPALLED AND CRACKING PAVEMENT. FAILURE OF THE RUNWAY WILL CONTINUE AT AN UNABATED AND ACCELERATING RATE. POTENTIAL OF FOD TO JET AIRCRAFT WILL INCREASE AS A FUNCTION OF TIME AND PAVEMENT FAILURE. DELAY WILL INCREASE TOTAL COST IF PERFORMED AT A LATER DATE.

AZ MCAS YUMA AZ REPAIR RUNWAY 17/35 \$1,162

REPAIR EXISTING RUNWAY ASPHALT CONCRETE SURFACE. LACK OF SUFFICIENT AND ADVANCED PLANNING TO MAINTAIN THE SURFACE OF THE RUNWAY WILL REQUIRE THE DIVERSION OF COMMERCIAL AND PRIVATE CIVIL AVIATION ONTO THE MILITARY AIRCRAFT RUNWAY ONCE THE ASPHALT PAVING BEGINS TO DETERIORATE AND CAUSE FOREIGN OBJECT DAMAGE TO AIRCRAFT.

CA MCAS MIRIMAR CA REPAIR MAINT HANGAR 2, BLDG K215 \$1,772

REPAIR 167,000 SF OF AIRCRAFT MAINTENANCE HANGAR BUILT IN 1957. REPAIRS ROOF AND FIRE ALARM AND SUPPRESSION SYSTEMS. REPAIR HVAC AND PLUMBING SYSTEMS. REPAIR BATHROOMS, HANGAR DOORS, AND WINDOWS. PAINT INTERIOR AND EXTERIOR OF HANGAR.

CA MCAS MIRIMAR CA RPR EXCHANGE WAREHOUSE, E131 \$1,527

REPAIR WW II ERA, 43,000 SF WAREHOUSE. REPLACE ROOF AND ROLL UP DOORS. REPAIR MECHANICAL AND ELECTRICAL SYSTEMS. UPGRADE FIRE PROTECTION AND SUPPRESSION SYSTEMS. REMOVE AND DISPOSE OF ASBESTOS CONTAINING MATERIALS.

CA	MCAS MIRIMAR CA	REPAIR MAG-46 AIRGROUND WAREHOUSE, E133	\$1,454
		REPAIR WW II ERA, 43,000 SF WAREHOUSE. REPLACE ROOF AND ROLL UP DOORS. REPAIR MECHANICAL AND ELECTRICAL SYSTEMS. UPGRADE FIRE PROTECTION AND FIRE SUPPRESSION SYSTEMS. REMOVE AND DISPOSE OF ASBESTOS CONTAINING MATERIALS.	
CA	MCAS MIRIMAR CA	REPAIRS TO BEQ 532 BARRACKS	\$1,103
		REPAIRS 20,000 SF BARRACKS CONSTRUCTED IN 1973. REPLACE ROOF. REPAIR EXTERIOR CONCRETE ON STAIRWELLS AND BALCONIES. REPAIR INTERIOR FINISHES TO LIVING AND SLEEPING AREAS AND BATHROOMS. REPLACE WINDOWS AND DOORS. UPGRADE FIRE DETECTION SYSTEM.	
CA	MCAS MIRIMAR CA	REPAIRS TO BEQ 533 BARRACKS	\$1,103
		REPAIRS 20,000 SF BARRACKS CONSTRUCTED IN 1973. REPLACE ROOF. REPAIR EXTERIOR CONCRETE ON STAIRWELLS AND BALCONIES. REPAIR INTERIOR FINISHES IN LIVING AND SLEEPING ROOMS, AND BATHROOMS. REPLACE WINDOWS AND DOORS. UPGRADE FIRE DETECTION SYSTEM.	
CA	MCAS MIRIMAR CA	REPAIRS TO BEQ 534 BARRACKS	\$1,103
		REPAIRS 20,000 SF BARRACKS CONSTRUCTED IN 1973. REPLACE ROOF. REPAIR EXTERIOR CONCRETE ON STAIRWELLS AND BALCONIES. REPAIR INTERIOR FINISHES IN LIVING AND SLEEPING AREAS, AND BATHROOMS. REPLACE WINDOWS AND DOORS. UPGRADE FIRE DETECTION SYSTEM.	
CA	MCAS MIRIMAR CA	REPAIRS TO BEQ 535 BARRACKS	\$1,103
		REPAIRS 20,000 SF BARRACKS CONSTRUCTED IN 1973. REPLACE ROOF. REPAIR EXTERIOR	

CONCRETE ON STAIRWELLS AND BALCONIES. REPAIR INTERIOR FINISHES TO LIVING AND SLEEPING AREAS AND BATHROOMS. REPLACE WINDOWS AND DOORS. UPGRADE FIRE DETECTION SYSTEM.

CA MCAS MIRIMAR CA REPAIRS TO BEQ 536 \$1,103
BARRACKS

REPAIRS 20,000 SF BARRACKS CONSTRUCTED IN 1973. REPLACES ROOF. REPAIRS EXTERIOR CONCRETE ON STAIRWELLS AND BALCONIES. REPAIRS INTERIOR FINISHES IN LIVING AND SLEEPING AREAS, AND BATHROOMS. REPLACES WINDOWS AND DOORS. UPGRADES FIRE DETECTION SYSTEM.

CA MCAS MIRIMAR CA REPAIRS TO BEQ 537 \$1,103
BARRACKS

REPAIRS 20,000 SF BARRACKS CONSTRUCTED IN 1973. REPLACES ROOF. REPAIRS EXTERIOR CONCRETE ON STAIRWELLS AND BALCONIES. REPAIRS INTERIOR FINISHES IN LIVING AND SLEEPING AREAS, AND BATHROOMS. REPLACES WINDOWS AND DOORS. UPGRADES FIRE DETECTION SYSTEM.

CA MCAS MIRIMAR CA REPAIRS MAINTENANCE HANGAR #5, B-570 \$573

STRUCTURAL REPAIRS FOR COMPLIANCE WITH CURRENT LIFE AND SAFETY STANDARDS, REPLACE EXISTING SINGLE PLY ROOFING SYSTEM WITH BUILT UP ROOF WITH REFLECTIVE/PROTECTIVE COATING, REPAIR FIRE ALARM SYSTEM TO INCLUDE PULL BOXES AND SPRINKLERS, SYSTEM SENSORS CONNECTED TO STATION ALARM SYSTEM IN 01/02 AREA. REPAIR 400 HZ SYSTEM, REPLACE MERCURY VAPOR FLOOD LIGHTS WITH HIGH PRESSURE SODIUM, REPLACE PLUMBING FIXTURES AND PIPES, REPAIR HVAC.

CA MCAS MIRIMAR CA REPAIRS MALS 11/MAG 46 GSE SHOP, BLDG K-200 \$843

SEISMIC REPAIRS, REPLACE OLD ROOFING SYTEM WITH BUILT UP ROOF, UPGRADE ELECTRICAL AND MECHANICAL SYTEMS INCLUDING THE COMPRESSED DRY AIR SYSTEM, REPLACE FIXTURES

FOR PLUMBING INCLUDING ASBESTOS REMOVAL/DISPOSAL. REPLACE DOORS, INCLUDING JAMBS AND HARDWARE, REPLACE WINDOWS, REPLACE TOILETTE PARTITIONS, FLOOR, WALL AND CEILING COVERINGS, REPAIR RAMP AND DOCK BUMPER.

CA MCB CAMP PENDLETON (REPLACE WATER MAIN, HQ AREA) \$1,460

REPLACES EXISTING 16 INCH WATER MAIN FROM 13 TO 15 AREA. THIS PROJECT IS REQUIRED TO PROVIDE ADEQUATE WATER SUPPLY FOR RESIDENTIAL USE AND ADEQUATE PRESSURE FOR FIRE PROTECTION AT THE SIERA MESA/SAN LUIS REY HOUSING COMPLEXES. EXISTING WATER MAIN IS OLD, DETERIORATED AND UNDERSIZED. THE LINE IS LEAKING AND WATER SUPPLY AND PRESSURE ARE VERY LOW.

CA MCB CAMP PENDLETON (REPAIR OVERLAY STUART MESA ROAD) \$1,717

PAVEMENT OVERLAY A SECTION OF STUART MESA TO MAINTAIN A SAFE AND EFFICIENT TRAFFIC FLOW BETWEEN THE NORTHERN AND SOUTHERN PORTIONS OF THE BASE. THIS MAJOR ARTERY IS DETERIORATING AND BECOMMING COSTLY TO PATCH. FIRE RESCUE AND AMBULANCE RESPONSE TIMES WILL INCREASE IF DETERIORATION CONTINUES. MORE COSTLY FULL REPLACE- MENT WILL RESULT IF REPAIRS ARE NOT PERFORMED.

CA MCB CAMP PENDLETON (RPR SEISMIC DAMAGE TO 13 BEQS IN 53 AREA) \$3,975

BARRACKS

REPLACE CONCRETE ROOF PANELS AND ROOFING. REPLACE HEATING, FIRE ALARM, PLUMBING, LIGHTING, AND ELECTRICAL DISTRIBUTION SYSTEMS. THESE 13 BARRACKS WERE DAMAGED DURING RECENT EARTHQUAKES. THE BUILDINGS ARE 1953 VINTAGE. WITHOUT THIS PROJECT, THE BEQS WILL CONTINUE TO DETERIORATE AND MARINES WILL BE EXPOSED TO SERIOUS DANGER UPON THE INEVITABLE RECURRENCE OF EARTHQUAKES.

CA MCB CAMP PENDLETON (REPAIR RANGE MAINT FAC 43131-53402) \$569

REPAIRS ROOF, DOORS, FLOORS, PLUMBING AND ELECTRICAL SYSTEMS IN TWO MAINTENANCE FACILITIES. THESE FACILITIES WERE CONSTRUCTED IN 1951, AND ARE VITAL TO THE MAINTENANCE AND OPERATION OF RANGES NEAR THE IMPACT AREAS OF CAMP PENDLETON. WITHOUT THESE REPAIRS, OPERATIONAL READINESS WOULD BE COMPROMISED.

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| CA | <p>MCB CAMP PENDLETON (REPAIR BEQ 22211 BARRACKS
SEISMIC ANALYSIS AND UPGRADE. REPAIR ALL CONCRETE SPALLS AND CRACKS. REPLACE ROOFTOP MOUNTED ASBESTOS BOARD EQUIPMENT SCREEN AND ASBESTOS PIPE INSULATION. REPLACE DETERIORATED ROOFTOP HVAC EQUIPMENT, ROOF ACCESS HATCH, FLASHINGS, GUTTERS, DOWN SPOUTS AND ROOFING. REPLACE ALL EXTERIOR WINDOW WALL-DOOR UNITS. REPAIR PLUMBING TO INCLUDE REPIPE HOT AND COLD WATER LINES, TOILETS, SHOWERS AND LAUNDRY ROOM.</p> | \$1,384 |
| CA | <p>MCB CAMP PENDLETON (REPAIR WATERLINE, 26 AREA

THIS PROJECT REPAIRS/REPLACES A WATER LINE FROM WELL 2673 TO VALVE 2674. THIS LINE IS BADLY DETERIORATED AND IS LEAKING CONSTANTLY. THIS PROJECT IS REQUIRED TO ENSURE CONTINUED AND UNINTERRUPTED FLOW OF WATER INTO CAMP PENDLETON WATER SYSTEM.</p> | \$602 |
| CA | <p>MCB CAMP PENDLETON (REPAIR 14" WATER LINE, SAN ONOFRE CREEK

REPLACE DETERIORATED 14 INCH WATER LINE UNDER SAN ONOFRE CREEK. WATER LINE IS REQUIRED TO REPLACE MAIN WATER SUPPLY LINE TO THE SAN ONOFRE II HOUSING AREA. FAILURE OF THE SECONDARY 62 AREA WELLS WILL LEAVE THE SAN ONOFRE AREA WITHOUT WATER AND FIRE PROTECTION.</p> | \$672 |
| CA | <p>MCB CAMP PENDLETON (REPAIR FIRETUBE BOILERS, BLDG 22187</p> | \$3,973 |

REPLACE DETERIORATED FIRETUBE BOILERS WITH WATERTUBE STEAM BOILERS, AND REPAIR DISTRIBUTION SYSTEM. THE CENTRAL HEATING PLANT IS EXPERIENCING INCREASED REPAIRS AND IS VIOLATING AIR POLLUTION REQUIREMENTS. PLANT IS ESSENTIAL TO THE OPERATION OF THE 22 AREA AS THE ONLY SOURCE OF HEAT.

CA MCB CAMP PENDLETON (REPAIR MESSHALL BLDG 62402) \$2,685

PROJECT WILL PROVIDE MINOR STRUCTURAL REPAIRS, CORRECT ROOFTOP PONDING, AND REPLACE DETERIORATED ROOF, FLASHING, AND ROOFTOP EQUIPMENT. PROJECT WILL ALSO REPAIR FIRE PROTECTION SYSTEM TO INCLUDE HOOD SYSTEMS, FIRE ALARMS, PULL BOXES, AND EXIT LIGHTS. PROJECT WILL REPAIR WALK-IN REFRIDGERATOR WALLS AND DOORS, REPAIR GARBAGE ROOM, REPAIR ELECTRICAL, REPAIR HVAC, REPAIR BOILER, AND PIPING.

CA MCB CAMP PENDLETON (REPAIR ROOFING, LCAC) \$777

REPAIR ROOFING ON 6 BUILDINGS IN THE 31 AREA LCAC COMPLEX. ROOFS ARE LEAKING, CAUSING DISRUPTION OF WORK, AND DAMAGE TO THE FACILITIES AND MATERIALS AND EQUIPMENT WITHIN THESE FACILITIES.

CA MCB CAMP PENDLETON (REPAIR ROOFING, VARIOUS) \$1,247

REPLACE ROOFS ON 13 BUILDINGS IN VARIOUS AREAS. ROOFS ARE DETERIORATED AND ARE LEAKING, CAUSING DISRUPTION OF WORK, AND DAMAGE TO MARINE CORPS FACILITIES AND PROPERTY.

CA MCB CAMP PENDLETON (REPAIR BEQ BLDG 33605) \$3,975
BARRACKS

PROJECT WILL PROVIDE SEISMIC UPGRADE, REPAIR ROOF, REPLACE EXTERIOR AND INTERIOR DOORS, REPAIR PLUMBING, REPAIR TILE FLOORS AND SHOWERS, REPLACE HEAT EXCHANGER

AND ROOM HEATERS WITH ENERGY EFFICIENT UNITS, REPAIR FIRE ALARM SYSTEM. PROJECT WILL ALSO REMOVE ASBESTOS AND PAINT CONTAINING LEAD. BUILD IS DEFICIENT IN SEISMIC AND FIRE CODE AND HAS DETERIORATED THROUGH HIGH OCCUPANCY.

CA MCB CAMP PENDLETON (REPLACE 66 BOILERS BASEWIDE) \$2,970

REMOVE AND REPLACE EXISTING BOILERS WITH NEW BASEWIDE. BOILERS ARE OVER 20 YEARS OLD AND REQUIRE EXCESSIVE REPAIRS. UNACCEPTABLE LEVEL OF SERVICE IS OCCURING, AND BOILERS ARE IN VIOLATION OF AIR POLLUTION REGULATIONS.

CA MCB CAMP PENDLETON (RPR BEQ 210629) BARRACKS \$3,931

REPAIR 41,250 SF BARRACKS FACILITY, INCLUDING ROOFING, MECHANICAL, ELECTRICAL, PLUMBING, AND SEISMIC PROBLEMS. PROVIDE FIRE SPRINKLERS. BUILDING IS NEARLY 25 YEARS OLD AND DOES NOT MEET CURRENT SEISMIC, FIRE, AND ENERGY STANDARDS. CONTINUAL USAGE AND AGE ARE ADDIDING TO THE RAPID DETERIORATION OF THE FACILITY. THE QUALITY OF LIFE, AND SAFETY AND HEALTH OF MARINES IS BEING NEGATIVELY IMPACTED

CA MCB CAMP PENDLETON (RPR BEQ 210631) BARRACKS \$4,339

REPAIR 41,250 SF BARRACKS FACILITY, INCLUDING ROOFING, MECHANICAL, ELECTRICAL, PLUMBING, AND SEISMIC PROBLEMS. PROVIDE FIRE SPRINKLERS. BUILDING IS NEARLY 25 YEARS OLD AND DOES NOT MEET CURRENT SEISMIC, FIRE, AND ENERGY STANDARDS. CONTINUAL USAGE AND AGE ARE ADDIDING TO THE RAPID DETERIORATION OF THE FACILITY. THE QUALITY OF LIFE, AND SAFETY AND HEALTH OF MARINES IS BEING NEGATIVELY IMPACTED

CA MCB CAMP PENDLETON (RPR BEQ 210632) BARRACKS \$4,339

REPAIR 41,250 SF BARRACKS FACILITY, INCLUDING ROOFING, MECHANICAL, ELECTRICAL, PLUMBING, AND SEISMIC PROBLEMS. PROVIDE FIRE SPRINKLERS. BUILDING IS NEARLY 25 YEARS OLD AND DOES NOT MEET CURRENT SEISMIC, FIRE, AND ENERGY STANDARDS. CONTINUAL USAGE AND AGE ARE ADDIDING TO THE RAPID DETERIORATION OF THE FACILITY. THE QUALITY OF LIFE, AND SAFETY AND HEALTH OF MARINES IS BEING NEGATIVELY IMPACTED

CA MCB CAMP PENDLETON (RPR BEQ 210636) \$4,201
BARRACKS

REPAIR 40,000 SF BARRACKS FACILITY, INCLUDING ROOFING, MECHANICAL, ELECTRICAL, PLUMBING, AND SEISMIC PROBLEMS. PROVIDE FIRE SPRINKLERS. BUILDING IS NEARLY 25 YEARS OLD AND DOES NOT MEET CURRENT SEISMIC, FIRE, AND ENERGY STANDARDS. CONTINUAL USAGE AND AGE ARE ADDIDING TO THE RAPID DETERIORATION OF THE FACILITY. THE QUALITY OF LIFE, AND SAFETY AND HEALTH OF MARINES IS BEING NEGATIVELY IMPACTED

CA MCB CAMP PENDLETON (RPR BEQ 31511) \$4,133
BARRACKS

REPAIR 40,000 SF BARRACKS FACILITY, INCLUDING ROOFING, MECHANICAL, ELECTRICAL, PLUMBING, AND SEISMIC PROBLEMS. PROVIDE FIRE SPRINKLERS. BUILDING IS NEARLY 25 YEARS OLD AND DOES NOT MEET CURRENT SEISMIC, FIRE, AND ENERGY STANDARDS. CONTINUAL USAGE AND AGE ARE ADDIDING TO THE RAPID DETERIORATION OF THE FACILITY. THE QUALITY OF LIFE, AND SAFETY AND HEALTH OF MARINES IS BEING NEGATIVELY IMPACTED

CA MCAGCC TWENTYNINE P SEISMIC REPAIRS 1529/52/54 \$1,214

INSTALL HEADWALLS, HORIZONTAL, VERTICAL AND DIAGONAL BRACING AND TIES TO HOLD THE BUILDING INTACT. REPAIR ALL PORTIONS OF THE BUILDING THAT WERE DISRUPTED AS A RESULT OF THE REQUIRED REINFORCING. APPLY SEALER TO THE EXTERIOR WALLS TO RETAIN

THE APPEARANCE OF THE BUILDING. SEISMIC EVALUATION REVEALED THE STRUCTURES ARE INCAPABLE OF WITHSTANDING AN EARTHQUAKE ALONG THE SAN ANDREAS FAULT THAT IS 25 MILES FROM THE BLDGS TO BE REPAIRED.

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| CA | <p>MCAGCC TWENTYNINE P SEISMIC RPRS BEQS 1641 AND 1642
BARRACKS
INSTALL HORIZONTAL, VERTICAL AND DIAGONAL BRACING AND TIES TO PREVENT THE BUILDING PANELS FROM COLLAPSING IN EVENT OF AN EARTHQUAKE. PROJECT IS REQUIRED TO PROVIDE SAFE BUILDINGS IN AN ACCEPTABLE CONDITION FOR STUDENTS AWAITING PCS ASSIGNMENTS.</p> | \$1,323 |
| CA | <p>MCAGCC TWENTYNINE P SEISMIC REPAIRS 2 BEQS
BARRACKS
STRUCTURAL REPAIRS AND UPGRADE TO TWO BEQS TOTALLING 84,000 SF. SEISMIC EVALUATION DETERMINED THAT STRUCTURES ARE INCAPABLE OF WITHSTANDING AN EARTHQUAKE OF ANY GREAT MAGINTUDE ALONG THE SAN ANDREA’S FAULT (ABOUT 25 MILES SW OF MCAGCC). FAILURE TO EXECUTE PROJECT WILL RESULT IN A POTENTIALLY SERIOUS SAFETY HAZARD, AFFECTING THE LIVES OF PERSONNEL LIVING IN THESE FACILITIES.</p> | \$1,316 |
| CA | <p>MCAGCC TWENTYNINE P SEISMIC/RPRS, BLDGS 1458 AND 1604

PROJECT WILL PROVIDE HORIZONTAL, VERTICAL, AND DIAGONAL BRACING TO THE BUILDING TO HOLD THE BUILDING INTACT IN EVENT OF AN EARTHQUAKE. PROJECT WILL ALSO REPLACE FLOOR COVERINGS, REPAIR THE BATHROOMS, AND REPLACE THE DETERIORATED CEILING. PROJECT WILL ALSO REPLACE WINDOWS AND REPAIR HTHW LINES.</p> | \$805 |
| HI | <p>MCAS KANEOHE HI REPAIR BEQ AIR CONDITIONING #1633
BARRACKS
REMOVE EXISTING FAN UNITS, PIPING, CHILLER, AIR HANDLER. INSTALL CHILLER, AIR HANDLER, VARIABLE AIR VOLUME BOXES, CHILLED WATER PIPING, AND DUCT WORK. PAINT</p> | \$888 |

INTERIOR OF ROOM

- HI MCAS KANEHOE HI REPAIR BEQ AIR CONDITIONING #1634 \$888
BARRACKS
REMOVE EXISTING FAN UNITS, PIPING, CHILLER, AIR HANDLER. INSTALL NEW CHILLER, AIR HANDLER, VARIABLE AIR VOLUME BOXES, CHILLED WATER PIPING, AND DUCTWORK. PAINT INTERIOR OF ROOM
- HI MCAS KANEHOE HI REPAIR BEQ AIR CONDITIONING #1635 \$888
BARRACKS
REMOVE EXISTING FAN UNITS, PIPING, CHILLER, AIR HANDLER. INSTALL NEW CHILLER, AIR HANDLER, VARIABLE AIR VOLUME BOXES, CHILLED WATER PIPING, AND DUCTWORK. PAINT INTERIOR OF ROOM
- HI MCAS KANEHOE HI RPL WINDOWS IN SERIES 1000 BUILDINGS \$367

PROJECT REPLACES WINDOWS, EXTERIOR DOORS, AND ROOFING, AND PAINTS THE INTERIOR AND EXTERIOR OF 2 ADMINISTRATIVE FACILITIES. THESE FACILITIES WER CONSTRUCTED IN THE EARLY 1950'S. ROOFS, WINDOWS AND DOORS ARE LEAKING, CAUSING DAMAGE TO INTERIOR FEATURES, AND IMPACTING ON THE MORALE OF BUILDING OCCUPANTS.
- JA CAMP BUTLER JAPAN REPLACE ROOF, BLDG 801, KINSER \$610

REPLACE EXISTING BUILT UP ROOF WITH NEW ROOF WITH ELASTOMERIC COATING. BUILDING WAS REROOFED IN 1983, BUT HAS DETERIORATED AND DELAMINATED, RESULTING IN LEAKING AND DAMAGE TO ELECTRICAL APPLIANCES AND GOODS IN THIS FACILITY.
- NC MCAS CHERRY PT NC REPLACE HVAC, MAINTENANCE HANGAR \$609

THE CENTRAL CHILLER IN THIS AIRCRAFT MAINTENANCE HANGAR IS DETE- RIORATED. THE

AIR HANDLERS ARE BADLY RUSTED, REQUIRING REPLACEMENT. THE EXISTING 250 TON CHILLER RUNS CONSTANTLY ON SUMMER DAYS, USING A TREMENDOUS AMOUNT OF ENERGY DUE TO ITS CONDITION. WORKING CONDITIONS ARE POOR. THE SYSTEM IS 50 YEARS OLD.

NC MCB CAMP LEJEUNE NC INT/EXT RPRS, BLDG 322(CAST TRNG) \$766

REPAIR OF 21,000 SF TRAINING AND CLASSROOM FACILITY CONSTRUCTED IN 1942. REPAIRS INCLUDE INTERIOR WALLS, TOILETS, DOORS, WINDOWS, FLOORS, PLUMBING, HEATING, ELECTRICAL, AND CEILINGS. PROJECT ALSO CORRECTS FIRE AND SAFETY DEFICIENCIES. FAILURE TO EXECUTE WILL LEAVE BUILDING IN SUBSTANDARD AND UNSAFE CONDITION. TRAINING WILL BE ADVERSELY AFFECTED.

NC MCB CAMP LEJEUNE NC INT/EXT RPRS TO ADMIN BLDGS (PH 2) \$1,233

DEMOLISH AND REPLACE ALL INTERIOR STRUCTURAL COMPONENTS, WALLS FLOOR AND CERAMIC TILES, ETC. NEW ATTIC INSULATION, REMOVAL OF ASBESTOS INSULATION, DEMOLISH EXISTING STEAM HEATING, PLUMBING, WATER AND ELECTRICAL SYSTEMS. REPLACE ALL UTILIY SYSTEMS WITH CURRENT STATE OF THE ART SYSTEMS. PAINT ENTIRE FACILITY.

NC MCB CAMP LEJEUNE NC REPLACE SEWER, FRENCH CREEK AREA #240 \$675

REPLACE ALL SEWER MAINS&LATERALS OF TERRA COTTA PIPING. PROVIDE TOWAY CLEAN OUT AT EACH BLDG CONNECTION.REPAIR/REPLACE ALL CUT OR DAMAGED STRS, WALKS,DRIVES,CURBS INVOLVED WITH RELATED PIPING WORK. RAKE,RESEED AND FERTILIZE ALL DISTURBED GRASS AREAS. REPLACE ALL SANITARY SEWER MANHOLES.

NC MCB CAMP LEJEUNE NC RENOVATE RESTROOMS BLDG 6 AND 101 \$542

PROJECT WILL REPAIR DETERIORATED AND SUBLSTNDARD HEAD FACILITIES AND PROVIDE

ADEQUATE, STATE OF THE ART MALE AND FEMALE HEAD AND SHOWER FACILITIES. EXISTING HEADS POSE A SANITARY RISK PROBLEM DUE TO AGE AND CONDITION. QUALITY OF LIFE OF MARINES WORKING IN THESE FACILITIES WILL BE GREATLY ENHANCED.

NC MCB CAMP LEJEUNE NC RPR HEADS/PIPING/FIXTURES, 323 & 327 \$591

PROJECT WILL REPLACE VENT&WATER PIPING, PLUMBING FIXTURES, IN THE COMMUNE/LAVATORY AND SHOWER AREAS. REMOVE/REPLACE LIGHT FIXTURES,WALL VENTILATION FANS, DEMO/REINSTALL PLASTER/CERAMIC ATILE. REPLACE DOORS, DEMO/REPLACE SHOWER FLOORS AND SHOWER PANS. REPLACE COMMUNE PARTITIONS AND REPAINT HEAD AREAS AFTER CONSTRUCTION.

NC MCB CAMP LEJEUNE NC RPR HEADS/PIPING/FIXTURES, 412,507,511 \$888

REPLACE VENT AND WATER PIPING, PLUMBING FIXTURES IN THE HEAD AND SHOWER AREAS. REPLACE LIGHT FIXTURES, WALL VENTILATION FANS. REPAIR PLASTER AND CERAMIC TILE WALLS. REPLACE DOORS, REPAIR SHOWER FLOORS AND PANS. REPLACE LAVATORY PARTITIONS, AND REPAINT HEAD AREAS AFTER COMPLETION OF REPAIRS.

NC MCB CAMP LEJEUNE NC INT/EXT RPRS, RR11(ADMIN) \$636

PROJECT REPAIRS ELECTRICAL SYSTEMS, MECHANICAL, PLUMBING, CEILINGS, DOORS, DOORS, FIRE ALARM SYSTEM, AND HEATING SYSTEM IN THIS ADMIN FACILITY. THIS BUILDING WAS CONSTRUCTED IN 1942 AND IS IN NEED OF REPAIRS TO BRING FACILITY WITHIN FIRE AND SAFETY CODES, AS WELL AS PROVIDING MARINES AND CIVILIANS A QUALITY PLACE TO WORK.

NC MCAS NEW RIVER NC MAJOR INT/EXT RPRS AS-213 \$1,348

MAJOR INTERIOR AND EXTERIOR REPAIRS TO THIS 23,000 SF FACILITY BUILT IN 1956. WORK INCLUDES REPAIR OF DETERIORATED HEATING AND COOLING SYSTEMS, ELECTRICAL AND

FIRE ALARM SYSTEMS, INTERIOR FINISHES, BATHROOMS. BUILDING WILL CONSOLIDATE HQ STAFF, LOCATED IN VARIOUS AREAS OF BASE. REPAIRS WILL BRING FACILITY INTO COMPLIANCE WITH CURRENT BUILDING AND LIFE/SAFETY CODES.

SC MCAS BEAUFORT SC REPAIRS TO BUILDING 611 \$921

PROVIDE STRUCTURAL REPAIRS TO PERIMETER WALLS, CONCRETE FRAMES, BEAMS, CANOPY AND LOADING DOCK, SEISMIC UPGRADE TO BLDG LIFE SAFETY CRITERIA, SEISMIC RESTRAINTS TO ELECTRICAL AND MECHANICAL EQUIPMENT, REPLACE WALL HUNG LAVATORIES, WATER CLOSETS, URINALS, AND DEEP SINK AND REPAIR CERAMIC TILE IN THE RESTROOMS AND REPLACE METAL ROLLING DOORS.

SC MCAS BEAUFORT SC RPR ROADS & DRAINAGE, PH II \$720

PROJECT REPAIRS STATION ROADS, AND STORM WATER DRAINAGE ALONG ROADS AND AROUND FACILITIES. PAVEMENTS ARE DETERORATED DUE TO HEAVY LOADING, TRAFFIC, AND IMPROPER MAINTENANCE. ROADS MUST BE KEPT OPERATIONAL TO TRANSPORT PERSONNEL, MAINTENANCE VEHICLES, HEAVY EQUIPMENT, ORDNANCE, EMERGENCY VEHICLES, ETC. CONTINUED DETERIORATION WILL AFFECT SAFETY OF PERSONNEL, AND CAUSE DAMAGE TO VEHICLES AND EQUIPMENT.

SC MCAS BEAUFORT SC RETROFIT TEST CELL (CECIL FIELD COMPONENTS) \$2,896

REINFORCE CAST CONCRETE FOOTINGS, BUILDING WALLS AND ROOF DECK, STEEL AIR CONDITIONED JET ENGINE TEST AUGMENTER, STEEL BAFFLES. DEMOLITION OF A PORTION OF EXISTING "C" CELL TO ACCOMODATE FAC RETROFIT, UPGRADE CONTROLS, PIPING AND POWER.

VA MCCDC QUANTICO VA RPR HTHW LINES AT TBS \$2,000

THIS PROJECT WILL REPLACE 8,800 LF OF DETERIORATED HIGH TEMPETURE HOST WATER LINE

AND VALVES. THE EXISTING PIPING IS DETERIORATED AND LEAKING AND CAN NOT PROVIDE SUFFICIENT DISTRIBUTION.

VA MCCDC QUANTICO VA REPLACE SOLID CONTACT UNIT, WTP \$675

PROJECT WILL REPLACE A TWO MILLION GALLON SOLID CONTACT CLARIFIER AT THE MAINSIDE WATER TREATMENT PLANT. THIS CLARIFIER WAS ERECTED IN 1952 AND HAS DETERIORATED BEYOND ECONOMICAL REPAIR. REPAIR PARTS FOR THE FLOCCULATION EQUIPMENT, INSIDE THE CLARIFIER, ARE EXTREMELY DIFFICULT TO OBTAIN. THE TANK FOUNDATION HAS SETTLED ENOUGH TO WARRANT MONITORING BY THE VIRGINIA STATE HEALTH DEPARTMENT.

VA MCCDC QUANTICO VA REPAIR ROADS, MCB-2,3 & 4 \$1,239

REPAIR 7.3 MILES OF ROAD DETERIORATED TO A MARGINAL CONDITION. ROADS ARE PATCHED FREQUENTLY, AND WILL CONTINUE TO DETERIORATE TO POINT OF BEING A SAFETY HAZARD. FAILURE TO REPAIR WILL RESULT IN A MORE EXPENSIVE ALTERNATIVE TO FULLY REPLACE ROAD WHEN IT FAILS.

VA MCCDC QUANTICO VA REPAIR ROADS MCB-1,8 & WTBM \$1,123

REPAIRS APPROXIMATELY 6.3 MILES OF ROADS TO PROVIDE ADEQUATE SURFACE FOR TRANSPORTATION OF CEVILIAN, MILITARY, AND EMERGENCY VEHICLES. FREQUENT PATCHING IS REQUIRED ON THESE MARGINALLY PASSABLE ROADS. ROADS WILL CONTINUE TO DETERIORATE, RESULTING IN POTENTIAL FOR PERSONNEL INJURY, EQUIPMENT DAMAGE, AND A MORE COSTLY FULL REPLACEMENT.

TOTAL: \$90,736

REAL PROPERTY MAINTENANCE ACTIVITIES
 FY 1999 PRESIDENT'S BUDGET
 OPERATIONS AND MAINTENANCE, MARINE CORPS
 Real Property Maintenance and Minor Construction Projects
 (HISTORICAL BUILDING COSTS)
 (In Thousands of Dollars)

Appropriation: O&MMC

PART I: HISTORIC HOUSING COSTS

	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
A. No. of Units:	0	0	0
B. Improvements:	0	0	0
C. Maintenance and Repair:	0	0	0

PART II: ALL OTHER HISTORIC BUILDINGS

A. No. of Facilities:	37	37	37
B. Minor Construction:	48	50	57
C. Major Repair :	349	406	557
D. Recurring Maintenance :	373	375	378

Grand Total:	770	831	992
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OP-27H

REAL PROPERTY MAINTENANCE ACTIVITIES
FY 1999 PRESIDENT'S BUDGET
OPERATIONS AND MAINTENANCE, MARINE CORPS
PB-34

1. Please see Operation and Maintenance, Navy Vol III for Marine Corps installations receiving revenue from lease or transfer of real property.

