



NMCB FIVE

“The Professionals”



Deployment Completion Report

April – November 2005



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NMCB FIVE deployed as an integrated unit with 125 recalled reserves from NMCB TWO SEVEN with tasking which included the forward deployment of over 800 personnel to Guam, twelve details including Task Force Sierra in Iraq, a civic action team, one Deployment for Training (DFT), and 21 individual augments dispersed throughout the world. The Battalion was spread across 20 time zones, located in 12 countries, and OPCON to five distinct "clients"; two NCRs and three Joint Special Operations Task Forces. With constant modifications to the assigned tasking due to the clients evolving operational needs, command and control of NMCB FIVE personnel was a constant challenge. Over 300 personnel were deployed in a contingency/combat environment and the Battalion assumed command of Task Force Sierra in direct support of Joint Special Operations Command for OPERATION IRAQI FREEDOM III (OIF-III) and OPERATION ENDURING FREEDOM (OEF). Working directly in support of Special Operations Forces (SOF), sometimes with just one Seabee at a remote forward operating base (FOB), junior troops were often asked to perform at levels well beyond their pay grade and complete tasks outside their rate.

The Battalion redeployed 21 Seabees to the Zambales Province in the Philippines for U.S. Pacific Command's Combined Afloat Readiness And Training (CARAT) Exercise from 26 July 2005 through 27 August 2005. The primary tasking for the DFT was the construction of an elementary school. Despite numerous days of driving rain, all tasking was successfully completed with Seabees working side by side with their Philippine Seabee counterparts.

As the battalion entered the final month of our planned six month deployment the extent of the devastation inflicted by Hurricane Katrina was revealed. The decision to extend NMCB FIVE allowed NMCB ONE THREE THREE personnel the time needed to recover from the horrible devastation and take care of their families. Support for this decision was nearly universal among NMCB FIVE personnel eager to help their fellow Seabees from Gulfport.

ADMINISTRATION

The Administrative/Personnel Department supported 812 Seabees in a wide array of personnel, career information, embarkation, medical, dental, ministerial, legal, force protection, drug and alcohol abuse prevention, public affairs, MWR, and family support areas. The team executed all operational requirements, provided full customer support, and maintained peak personnel readiness. Through the duration of deployment, they amassed and completed an astounding number of support services to include: 38 transfers, 61 receipts, 48 reenlistments/extensions, 400 awards, 149 passports, 50 security clearance packages and 6,000 pay and personnel related documents. The department was also instrumental to the Battalion receiving the coveted FY05 Golden Anchor Award. The performance of the Admin Department throughout this deployment epitomizes teamwork and dedication to the Navy's mission.

TRAINING/READINESS

With the goals of maintaining current mission readiness levels, preparing for the next deployment, and training better Seabees, NMCB FIVE completed 8,500 tasked man-days of military, technical, and physical training. This included eight individual training days, four days of weapons qualifications, a weeklong field exercise, On-the-Job Training (OJT) and various individual courses. The Battalion conducted live-fire familiarization ranges for the M-16 and M-9, re-qualified all 337 main body personnel on their primary weapon, and aggressively pursued Seabee Combat Warfare Specialist (SCWS) training. Numerous SCWS Boards were held which increased the number of SCWS qualified Seabees from 204 to 335 during deployment.

The Armory continued its comprehensive 3M program resulting in the reduction in weapons maintenance by nearly 70%, removal of the M-224 Mortar from the Battalion inventory, and the successful completion of a tri-annual facility Explosives Safety Inspection (ESI) which the Battalion passed with flying colors.



COMMUNICATIONS

The Communications Department successfully implemented ONE NET, a consolidated network which allows end-to-end information services through a common computing and communications environment. The Information Systems Department (ISD) ensured full operational capabilities of 155 network workstations, completed over 400 trouble calls, replaced 75 warranted items, installed the latest anti-virus software, and ensured Camp Covington was compliant with the latest Information Assurance Vulnerability Assessment (IAVA) patches to minimize network downtime.

Other significant accomplishments included: reconfiguring the camp's "Cyber Café" with a high speed commercial Internet Service Provider (ISP), improving Battalion morale and the Virtual Private Network (VPN) cutover was completed to allow 1NCD Forward Port Hueneme, Ca. to fully administer/monitor servers and switches on Camp Covington, Guam.

OPERATIONS

NMCB FIVE Seabees executed projects of the highest quality throughout the world both safely and responsively. During the deployment, sixty two projects were tasked and fifty three were brought to completion. Peacetime and contingency construction saved the Department of Defense an estimated \$10.1 million in construction costs while completing 28,972 mandays of effort. In addition to specific project tasking, over 3,000 mandays of critical FOB support was successfully completed throughout Southwest Asia and 5,000 mandays of Camp Maintenance completed worldwide.

CAMP MAINTENANCE

Camp Maintenance greatly improved Camp Covington by ensuring the performance of camp wide maintenance and upgrades to the facilities and grounds. Seabees expeditiously responded to critical service needs, as well as coordinated all base contractor supported tasks. Camp Maintenance completed 400 man-days of emergency/service work orders, 700 man-days of minor projects and 400 man-days of repetitive maintenance. Specific projects included camp flagpole installation including the full base support structure, warehouse conversion into project office spaces, camp gymnasium repairs, NEX/outdoor recreation area lighting replacement, and headquarters building PA system installation. Junior troops greatly increased rate knowledge and experience while meeting all tasking with impressive results. Through true professionalism and dedication of the department, contractor work order backlog was greatly reduced, long-standing camp improvements were completed and quality of life issues remained paramount.

SAFETY

NMCB FIVE executed an extremely safe deployment while continually focusing on the Command Safety Policy as to ensure a safe and healthy environment for all personnel. Safety remained in the forefront as NMCB FIVE pursued an aggressive and comprehensive NAVOSH program utilizing ORM and conducting continual training to ensure the safest possible work practices and conditions for the entire Battalion.

On-site construction mishaps dropped 30% during deployment due to proper implementation of ORM, NAVOSH Safety Training, and the Battalion Safety Monitoring System. Project Safety Supervisors' constant inspections of jobsites, materials, and equipment ensured no Seabees were working in an unsafe environment.

SUPPLY / EQUIPMENT

The Supply Department provided outstanding Logistical and Supply support to the main body and all Detail and DFT sites spread across the globe. They successfully completed the Logistics



EXECUTIVE SUMMARY

Management Assessment Visit (LMAV) and Navy Food Management Team (NFMT) Food Service Inspection, receiving the highest scores from both inspection teams. In addition, major upgrades were conducted in various divisions including OPTAR Financials, Central Tool Room (CTR), Warehouse Outlets, Food Service and the Barber Shop.

The Stores Financial & Expediting Branch meticulously budgeted and programmed \$2.5M over two fiscal years; the Food Service Financial Branch transacted obligations of \$900K; Travel (ATOS) obligated \$1.5M in travel funds; MLO managed over \$8M in project material funds; Contracts Management obligated over \$300K; and the Automotive Repair Parts (ARP) Division obligated over \$1.4M and generated a \$100K credit to the TYCOM.

The Battalion CESE management program on Camp Covington, Guam improved availability from a low of 85 percent during initial turnover to a high of 90 percent by the end of deployment. Despite having received an additional 52 pieces of CESE from DFT Balikpapan, most in poor condition, Alfa Company was able to reduce the number of deadlined equipment to 15 pieces. The 3M Program was aggressively managed and achieved a 98.6% PMS Performance Rating. NMCB FIVE's Task Force Sierra also maintained an unprecedented 98% CESE availability on 63 pieces of CESE across four sites in SWA with an average CM to CESE ratio of 7.5:1.



The Administration Department performed superbly and provided outstanding customer support in all facets of administration for 812 Seabees deployed throughout the U.S. and Southwest Asia. They were directly responsible for processing 68 Fitness Reports, 470 Enlisted Evaluations, 400 various awards, and numerous ceremonies including a Battalion Change of Command. Additionally, they tracked all correspondence, action reports and travel requirements and processed 125 Augment Performance Information Memorandums (PIMs). They accurately processed and received 149 passports, processed and submitted 50 security clearance packages and ensured 147 personnel held active security clearances to meet operational requirements worldwide. They also prepared and released 300 messages and 50 No Cost TAD orders.

The Personnel Department expeditiously processed 61 new check-ins, prepared 48 reenlistment contracts and appropriate service record entries and meticulously transferred 38 personnel to either a PCS duty station, the Fleet Reserve or for separation. Additionally, they coordinated all advancement examination requirements for both active and augment personnel for the September 2005 Navy-wide Advancement Examinations. 1,285 service record entries were made, ranging from the Sea Service Deployment Ribbon, National Defense Service Medal, Armed Forces Reserve Medal, Navy Good Conduct Medal and the Seabee Combat Warfare Specialist Qualification. They provided impeccable customer service for the entire battalion throughout the deployment despite the difficulties and challenges created by distance between the various deployment sites.

BATTALION ADVANCEMENT SUMMARY MATRIX

JANUARY 2005 CPO RESULTS

Time in Rate Eligible	58
Board Eligible	39
Selected	8
% Selected	20.5

APRIL/MAY 2005 E8/E9 RESULTS

Time in Rate Eligible	18/4
Board Eligible	18/4
Selected	2/1
% Selected	11.1/25

ADVANCEMENTS MARCH 2005

	<u>E4</u>	<u>E5</u>	<u>E6</u>	<u>Total</u>
Time in Rate Eligible	83	120	44	247
Participated	83	120	44	247
Selected	36	30	9	75
% Selected	43.4	25	20.5	29.6

ADVANCEMENTS SEPTEMBER 2005

	<u>E4</u>	<u>E5</u>	<u>E6</u>	<u>Total</u>
Time in Rate Eligible	138	143	80	361
Participated	98	124	48	270
Selected	49	27	6	82
% Selected	50	21.8	12.5	30.4



ADMINISTRATION

RETENTION SUMMARY

RET-ATT by NONE (LESS RTC AND STUDENTS) for NMCB 5 (55115) by Enlistment Zone Based on Transaction Date

From 01-Apr-05 through 15 Nov 05

Branch = USN and USNR

Filters - None

Total

	At EAOS	Before EAOS	Ineligible Losses Before EAOS		Reenl	6YO Oper Ext	Reenl Rate	Ret Rate	Att Rate
			RE-4	Other					
A 0 - 6 Yrs	80	9	8	1	60	0	75.0%	67.4%	15.0%
B 6+ - 10 Yrs	11	0	0	0	7		63.6%	63.6%	0.0%
C 10+ - 14 Yrs	8	0	0	0	7		87.5%	87.5%	0.0%
D 14+ - 19 Yrs	7	0	0	0	6		85.7%	85.7%	0.0%
E 20 Plus Yrs	6	0	0	0	2		33.3%	33.3%	0.0%
Total Less	106	9	8	1	80		75.4%	69.5%	11.8%

Zone E

USNR 2YO RAD's (included as eligible separatees): 1

Release to Officer Programs All Zones (Not Counted as 0

Average LOS at Reenlistment: A: 4.30 B: 9.62 C: 11.13 D: 16.86 E: 22.49

At EAOS Ineligible Losses Reason For Separation	Count	Zone A			Zone B Count	Zones C & D Count	Zone E Count	Total Count
		% of Loss	Weight of Reason	Avg LOS				
Serious Offense	1	2.0%	100.0%	3.90	0	0	0	1
Comp Enlist Unretainable	0	0.0%	0.0%	0.00	1	0	0	1
Total for above reasons	1	2.0%		3.90	1	0	0	2

Before EAOS Losses Reason For Separation	Count	Zone A			Zone B Count	Zones C & D Count	Zone E Count	Total Count
		% of Attr	Weight of Reason	Avg LOS				
Serious Offense	2	3.3%	22.2%	2.32	0	0	0	2
Personality Disorder	2	3.3%	22.2%	3.07	0	0	0	2
Misconduct	2	3.3%	22.2%	2.64	0	0	0	2
Alcohol Abuse	2	3.3%	22.2%	3.54	0	0	0	2
Hardship	1	1.7%	11.1%	1.39	0	0	0	1
Total for above reasons	9	15.0%		2.72	0	0	0	9



DENTAL

Over the course of the seven month deployment, dental readiness averaged 96.91% and the number of patients with no dental treatment needs rose to 51%, six percent over the Navy goal.

In addition to the standard mission of readiness, the NMCB FIVE dental team executed several new initiatives with the primary purpose of keeping Seabees on the job and not sitting in a chair. These initiatives included clinic modernization, deployment of a Mobile Dental Unit (MDU) truck to jobsites, and a tobacco cessation program.



With the help of the camp maintenance staff and a dental repair technician from the Naval Base Ventura County Dental Clinic, approximately \$56,000 worth of new equipment was plumbed, wired and installed to replace inoperable and obsolete machinery onboard Camp Covington. This update saved transport time to off camp facilities and increased capacity and efficiency of day to day clinic operations.

An agreement for the use of the MDU was brokered with the USS Frank Cable. The MDU contains two complete operatories with the capacity for cleanings, exams, x-rays, fillings, and tobacco counseling. With fresh water tanks and onboard generator, it is fully self-sustaining and provided a brief air conditioned respite from the Guam sun for our troops out on project sites. Deployed eight times, the MDU saved over 50 manhours of lost jobsite time.



The tobacco cessation program is part of a larger pilot health promotions initiative set in motion by Force Medical. Developed and implemented by the Battalion Dental Officer, the program consists of short one-on-one counseling sessions tailored to the tobacco use habits of Seabees along with adjunctive pharmacotherapy, to include nicotine patches and Zyban.

MEDICAL

NMCB FIVE's medical department, teamed with its augments from NMCB-27, had a very successful deployment in 2005. Overall, NMCB FIVE Hospital Corpsmen directly served the main body in Guam, the major Details in Iraq and Kuwait, as well as smaller Details in the Philippines, Afghanistan, and Palau. By phone and pre-deployment preparations, the department also supported operations in Hawaii, Whidbey Island, San Diego, Alaska, and Bahrain.



Through the dedicated efforts of the department and each company's chain of command, the Battalion left Port Hueneme in April at its highest state of medical readiness in any recent cycle, with immunizations at 99% and physical exams at 98%. Division inspectors gave the Battalion a C-1 "Fully Combat Ready" grade on the pre-deployment Medical Readiness Assessment. NMCB FIVE deployed in support of Operation Iraqi Freedom and Operation Enduring Freedom with 100 well-trained Combat Lifesavers (CLS) - Seabees in non-medical rates trained in advanced first aid for combat - over twice the number required by 1NCD. One CLS earned a Navy Achievement Medal with Combat "V" for his efforts as first on scene when two Seabees were injured by a roadside improvised explosive device in Iraq and another for her efforts following a serious MTRV accident.



Deployed Seabees get injured and sick, and this deployment proved no exception. Representatives of the Medical Department manned Battalion Aid Stations (BAS) to care for Seabees at Camp Covington, Guam; Camp Moreell, Kuwait; LSA Anaconda, Iraq; and CAT Palau; leaving these facilities better than they found them. In Guam, the department established a scrupulously regulated controlled medicines program to better treat acute pain and other conditions. Working closely with a Naval Hospital Guam audiologist, the Battalion's preventive medicine technician upgraded the clinic's audiology capability by bringing the

DOEHRS system into operation. This system integrates audiogram measurements with a worldwide online system to track individuals' hearing changes wherever they are located. During the main body's field exercise (FEX), the department stood up a fully functional field BAS in an abandoned house. Casualties were light for a FEX (only 3 heat casualties during 4 days in the field during the Guam summer), but the BAS was ready and Corpsmen executed smoothly in care of simulated and real casualties.

In Palau, the Civic Action Team brought an Independent Duty Corpsman (IDC) for team support and also to participate in Medical Civic Action Programs (MEDCAPs). This IDC maintained the Seabees legacy providing direct medical care to over 1,000 Palauan's in his six months, while teaching dozens the basics of CPR and pitching in on project work whenever possible.

At mid-deployment, Division inspectors once again visited the department and gave the Battalion top marks for medical readiness; another C-1 "Fully Combat Ready". The audiogram program was recognized as providing the highest rate of mid-deployment testing ever seen by the



inspectors. The radiation health program was cited as the best in the NCF, and the controlled medicinal program also earned praise.



The last major evolutions for the medical department were the turnover of facilities to relieving units, the facilitation of prompt care during and after the retrograde and the Warrior Transition Program, aimed at ensuring Seabees returning from combat zones received the medical and spiritual attention they needed and deserved. The program also aimed to smoothly reintegrate Seabees with their families, the rest of the Battalion and their homeport lives. The medical department ended its deployment much as it started: strong, professional, and focused on the challenges ahead.

RELIGIOUS PROGRAM

The NMCB FIVE religious ministry team made a concerted effort to bring life-transforming ministry to the battalion during the 2005 deployment. Through religious ministry services conducted by the Battalion Chaplain at Camp Covington, Camp Moreell and in Balad, NMCB FIVE service members were refreshed with worship opportunities. Additionally, the team worked with theater chaplains to provide worship opportunities for those Battalion members who chose to worship elsewhere. Life skills coaching and counseling ensured deployment spiritual readiness. The 'United through Reading' program was also implemented to help Battalion members to stay in better touch with their children.





NMCB FIVE focused on training to ensure the 2005 Pacific Deployment was a success. The Deployed Training Plan focused on the technical and military skills necessary to maintain and improve the “Fully Combat Ready” Battalion readiness rating achieved during the homeport FEX. Technical training centered on On-the-Job (OJT) training and included the award of skill achievements through the Seabee Skill Assessment program. Military training included a FEX, individual weapon qualifications, and military block training. The command ensured that the Battalion arrived back in homeport with a detailed training plan and homeport schedule. The Training Department did a fantastic job restructuring the initial portion of the homeport training cycle in order to ensure individual skill attainment levels did not suffer despite a month long extension to the deployment and reduced class quotas.

Mainbody Guam			
Course Type Code	Course Description	Mandays (MD)	
ADM	Code of Conduct Level B	130	338
	Petty Officer Indoctrination	42	
	Misc	166	
MIL	M-16 Qualifications	209	267
	M-9 Qualifications	28	
	Misc	30	
CCCT	Four Hole Burnout	6	6
SFTY	Prevent	45	1060
	Recreational Safety	16	
	Alcohol and Drug Abuse	160	
	Sexual Harassment	167	
	Alcohol Awareness (supervisor)	13	
	Misc	659	
SCW	All	72	72
NMT	Command Indoc Military Training	306	388
	Misc	82	
3M	All	60	60
NEC	All	53	53
FEX	Field Exercise	1650	2310
TRNG DAY	Battalion Training	660	
Total		4554	

Details			
Detail	Training	Mandays (MD)	
Hawaii	GMT	198	198
	Safety		
	Gen. Topics		
San Diego	FEX	132	198
	GMT	66	
	Safety		
Bahrain	Gen. Topics	120	120
	Safety		
	GMT		
Whidbey Island	Gen. Topics	108	108
	Safety		
	GMT		
CAT PALAU	Gen. Topics	84	84
	Safety		
	GMT		
Iraq I	Readiness	198	198
Iraq II	Readiness	132	132
Iraq III	Readiness	120	120
Kuwait	Readiness	108	108
N. Centcom	Readiness	84	84
Total		1350	



TECHNICAL TRAINING

A consistent focus on On-the-Job training significantly increased the Battalion’s wartime construction capability. Worldwide project tasking gave Seabees valuable experience in all areas of construction and led to the attainment of numerous technical skills. Through the Seabee Skills Assessment program the Battalion gained over 115 technical skills. Eighty-one of the skills directly contributed to readiness by fulfilling SORTS training requirements.

EMBARKATION TRAINING

NMCB FIVE personnel gained extensive experience in all aspects of embarkation, including hands-on participation in Maritime Pre-positioning Force (MPF) operations, air embarkation, sea embarkation and convoys. Seabees at Camp Moreell, Kuwait embarked 4000 personnel, CESE, and various pieces of equipment to locations throughout Iraq. The main body in Guam embarked 20 Seabees, their personal equipment, and weapons to the Philippines in support of the DFT-CARAT. Details in SWA conducted “real world” convoys and embarkation operations in a tactical environment. The main body conducted an embarkation exercise while deployed with the embark personnel exercising their skills in building, staging, marking 463L pallets, and CESE equipment in addition to preparing complete load plans. Convoy training was also conducted prior to and during Guam’s deployed FEX. These numerous hands-on embarkation evolutions significantly improved the Battalion’s wartime mount-out capability.

CHEMICAL, BIOLOGICAL AND RADIOLOGICAL (CBR) WARFARE TRAINING

NMCB FIVE conducted individual CBR training during the 2005 Guam FEX. All battalion personnel received training in donning and doffing protective equipment for Mission Oriented Protective Postures (MOPP).

GENERAL MILITARY TRAINING (GMT)

The Battalion optimized the use of training days to conduct GMT in addition to Military and Technical Skills training. GMT was conducted in accordance to the FY05 GMT topic list. GMT topics covered during deployment were: Drug Alcohol and Tobacco Awareness, Sexual Harassment, Equal Opportunity & Grievance Procedures, Fraternization, and Code of Conduct. Additional GMT topics not included in the Fiscal Year ’05 topic list but covered by the Battalion included: Water Safety, Hazing Awareness, Heat Stroke Awareness, and Information Awareness.

SEABEE COMBAT WARFARE SPECIALIST (SCWS) TRAINING

The battalion aggressively pursued SCWS training throughout the deployment. Over 60 SCWS training classes were taught and 132 individuals successfully qualified as Seabee Combat Warfare Specialists during the deployment.

	Personnel Assigned	Personnel Previously SCW Qualified	Personnel Qualified SCW on Deployment	Personnel SCW Qualified (on Board) at Deployment Completion
E1 – E6	732	165	124	289
E7 – E9	54	26	5	31
O1 – O5	26	12	3	15



MILITARY SKILLS TRAINING

To maintain military skills proficiency, the Battalion conducted a deployed FEX. The evolution consisted of 2 days of military block training, a tactical movement to Andersen Air Force Base South Training Area and a 5 day / 4 night execution of Exercise Kennel Bear. The military block training included MOUT training given by the USMC to include urban movement, convoy security, and night convoys with NVG PVS/7C. During FEX, the main body was in a tactical posture and trained using scenario driven operations to include urban patrolling, convoy operations, immediate action drills, clearing, rapid runway assessment, and building functionality assessment.



WEAPONS TRAINING

NMCB FIVE aggressively pursued weapon proficiency and qualification during the 2005 Guam deployment. Shortly after arriving, the Battalion conducted an M-16 live fire BZO range, and during deployment, all 337 main body personnel were re-qualified on their primary weapon. The Battalion also employed the M-16, M-60 and M-2 TOA weapons for training during the FEX. The following ammunition was expended for weapons training during deployment:

Training	NALC	Weapon	Type	Quantity
BZO	A071	M-16	5.56mm Ball	3,250
Qualifications	A059	M-16	5.56mm Ball	37,800
	A363	M-9	9mm Ball	4,000
FEX	A080	M-16	5.56mm Blank	25,100
	A111	M-60	7.62mm Blank	4,800
	A598	M-2	.50 cal Blank	400
	G945	N/A	Yellow Smoke	16
	G940	N/A	Green Smoke	16
	L495	N/A	Trip Flares	32
	L598	N/A	Booby Trap Simulator	20



MAINTENANCE MATERIAL MANAGEMENT (3M) SYSTEMS

The Battalion continued to emphasize 3M with regular training sessions conducted by the 3M Coordinator and Alfa Company.

3M System Training Qualification	Qualified in Homeport	Qualified on Deployment	Total Qualified
3M 301 Level Qualification	410	69	479
3M 303 Level Qualification	77	5	82
MicroSNAP Training	0	9	9

OTHER TRAINING

NMCB FIVE sent three Seabees to NEC specialized schools during the 2005 deployment.

ARMORY

Explosives Safety Inspections (ESI's) of an armory are held once every 3 years and the inspection of Camp Covington's armory fell within the deployment timeframe. NMCB FIVE's armory successfully completed the exhaustive, biannual inspection with 'no findings', a remarkable result considering the thoroughness of the insectors. The armory also continued to implement the 3M Program and reduced the number of weapons requiring repair by 51 from 73 to 22 during deployment. This was all done while supporting numerous ranges, details, FEX, and while removing the M-224 mortars from the armory inventory.



COMMUNICATIONS/INFORMATION SYSTEMS

The Tactical Communication Shop provided exceptional communication equipment support and repairs throughout the deployment. The Tactical Communication Shop successfully coordinated, managed and maintained a mobile COC from the LSA to the FOB and maintained effective command and control with all convoys. In addition, a successful Global SATCOMM and HF communications command post exercise between 30th NCR Hawaii, Camp Shields Okinawa, Port Hueneme C.A., and Camp Covington Guam was conducted. Service cleaning and operational checks of all tactical communications equipment were performed, which increased the overall Battalion Communications readiness to 95%. Battalion-wide EKMS training was also conducted to ensure compliance with a 1NCD directive.

SAFETY

The NMCB FIVE Command Safety Policy promotes a safe and healthy environment for all Seabees. With Safety in the forefront, the Battalion enhanced operational capabilities by increasing individual knowledge required to save lives, prevent mishaps and preserve resources. Utilizing the safety policy as our guiding principle, NMCB FIVE pursued an aggressive and comprehensive program utilizing ORM and conducted continuous training ensuring the safest possible work practices and conditions for the Battalion. On-site construction mishaps dropped 30% throughout the deployment primarily due to proper implementation of ORM, NAVOSH Safety Training, and the use of the Safety Monitoring System by Project Safety Supervisors. Constant inspections of jobsites, materials, and equipment ensured no personnel worked in an environment outside of standard safety practices.

MAINBODY and PEACETIME DETAILS SAFETY SUMMARY

	Apr 05	May 05	Jun 05	Jul 05	Aug 05	Sep 05	Oct 05	Total
Fatalities	0	0	0	0	0	0	0	0
# Lost Days	0	0	0	6	2	7	0	15
# Lost Day Cases	0	0	0	1	1	2	0	4
# Light Duty Days	56	15	115	110	138	155	67	656
# Light Duty Cases	7	3	11	10	12	3	7	53
# No Lost Time Mishaps	18	13	5	10	9	0	7	62
#Govt Vehicle Mishaps	3	11	4	4	2	3	5	32
Total Number Mishaps	28	27	20	25	24	8	19	151
Govt Vehicle Repair Costs	\$800	\$6,300	\$7,900	\$3,000	\$500	\$2,300	\$620	\$21,420
Govt Vehicle Miles Driven	15,880	18,034	15,469	27,780	19,789	22,232	20,828	140,012

ON-DUTY MISHAPS

	Apr 05	May 05	Jun 05	Jul 05	Aug 05	Sep 05	Oct 05	Total
No Lost Time Mishaps	14	8	2	5	7	0	4	40
Cases Light Duty	3	2	6	7	6	1	3	28
Light Duty Days	31	10	32	61	57	63	21	275
Cases Lost Work Days	0	0	0	1	1	1	0	3
Lost Work Days	0	0	0	4	2	3	0	9
Fatalities	0	0	0	0	0	0	0	0

OFF-DUTY MISHAPS

	Apr 05	May 05	Jun 05	Jul 05	Aug 05	Sep 05	Oct 05	Total
No Lost Time Mishaps	3	4	1	5	2	0	2	17
Cases Light Duty	4	1	4	3	6	2	5	25
Light Duty Days	25	5	69	49	81	92	46	367
Cases Lost Work Days	0	0	0	0	0	1	0	1
Lost Work Days	0	0	0	0	0	4	0	4
Fatalities	0	0	0	0	0	0	0	0

ENVIRONMENTAL / HAZMAT

Implemented many improvements to the handling, storage, and disposal of Hazardous Materials and Hazardous Waste onboard Camp Covington. Each job site, company, and space maintained an Authorized Use List (AUL) regularly cross-referenced with the Battalion AUL to give Camp Covington a 100% accurate account of all Hazardous Material activities. Facility storage arrangements were drastically improved with support of Joint Environmental Material Management System (JEMMS).

\$ Amount saved through Re-Use:	\$21,178
Hazmat / Hazwaste spill responses:	5
Gallons of containment drainage:	1,413
SPCC concerns:	silt fencing around ball field (Spill Prevention & Contour Control)

Disposed Hazwaste:	
Lead acid batteries	7 pallets
Used petroleum products	1925 gal
Oily rags	990 gal
Spent lithium batteries	55 gal
Coolant	220 gal
Used oil filters	110 gal
Decon agent DS2	55 gal
Used floor dry	55 gal
Parts cleaner	55 gal
Used alkaline batteries	30 gal
Floor stripper	20 gal
Muratic acid	5 gal
Electrical insulating varnish	5 gal
Waste paint	124 gal

OPERATIONS SUMMARY MATRIX

Project Number	Total Project Mandays	Total Project Material Cost (\$)	Mandays Tasked	Tasked %	Final WIP	Mandays Expended by prior NMCBs	Mandays Expended this deployment
GM5-410	727	0	400	50-100%	55%	0	400
GM5-412	100	1,200	100	100%	100%	0	100
GM2-802	296	77,910	296	50-100%	100%	0	493
GM2-840	150	33,049	150	0-100%	100%	0	308
GM2-852	1659	417,644	636	0-100%	44%	0	894
GM2-862	2054	418,784	1313	50-100%	61%	546	1508
GM1-875	3026	661,730	1289	100%	51%	291	916
GM1-883	529	105,802	529	79-100%	100%	0	529
SW5-311	88	0	88	62-100%	100%	0	88
SW5-804	318	91,120	318	0-100%	100%	0	256
SW5-808	412	56,100	412	0-100%	100%	0	412
SW5-809	300	89,100	300	0-100%	100%	0	204
HW5-817	158	39,960	158	0-100%	100%	0	157
HW5-818	188	27,022	188	0-100%	100%	0	240
HW5-819	46	9,501	46	0-100%	100%	0	45
HW0-843	382	229,074	248	100%	100%	234	250
HW3-857	186	22,514	186	0-100%	100%	0	191
HW2-890	531	484,806	531	0-100%	100%	0	312
HW2-898	200	69,057	200	0-100%	100%	0	245
HW2-899	209	146,435	209	0-100%	100%	0	272
CP1-801	955	377,622	202	100%	100%	753	147
CP1-803	600	636,000	600	0-100%	100%	0	610
SD4-846	156	7,800	156	0-100%	100%	0	142
SD2-893	1087	491,072	784	100%	100%	303	926
WI2-814	576	251,100	576	0-100%	72%	0	556
WI5-821	384	510,000	384	0-100%	65%	0	363
ROR0420	2045	300,000	850	100%	100%	1550	850
ROR0540	75	2,500	75	0-100%	100%	0	70
ROR0543	131	100,000	131	0-100%	100%	0	140
ROR0546	75	3,000	75	0-100%	100%	0	55
ROR0547	9	1,500	9	0-100%	100%	0	12
TOTAL	17652	5,661,402	11439			3677	11691



Quarry Ops.



A Seabee preparing the minerals.

OROTE POINT MINERAL PRODUCTION GM5-410

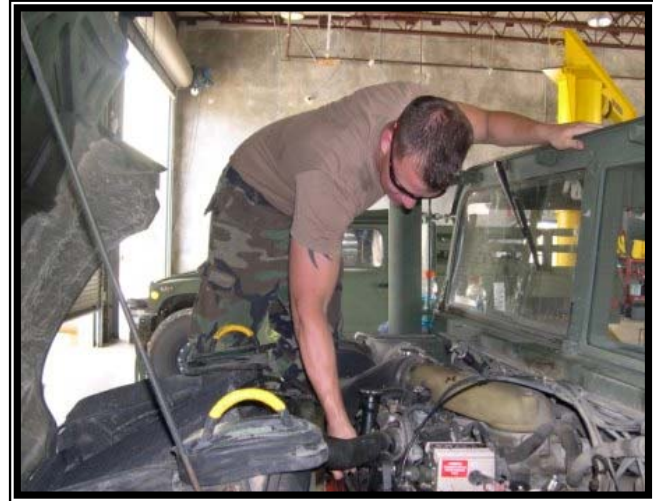
Seabees from NMCB FIVE tackled the rigorous task of continuing ongoing rock crushing operations at Orote Point, Guam.

Project Scope: Primary tasking was a total of 4,000 CY of ¾ minus; 1,000 CY of Washed Sand; Stockpile aggregate for NMCB 133 project requirement's, DRMO of Asphalt Distributor Plant and removal of 1980 CY of spoil material form Water Well/Ditcher training area.

Personnel:	13	
Duration:	April 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	400
	Cumulative:	400
Tasking:	WIP at turnover:	0%
	WIP at completion:	55%
	MD Tasked to NMCB FIVE:	400
	Total Project MD:	727
Material Cost:	\$0	
Cost Savings:	\$100,809	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	Secondary Crusher's Oil Cooler has been on order since April.	



Seabees working on an engine repair.



A Seabee pre-checks a vehicle.

OROTE POINT MAINTENANCE GM5-412

Maintenance on board Camp Covington, Guam is a never ending process that the Seabees from NMCB FIVE performed on a non-stop basis keeping all necessary equipment running smoothly throughout the deployment.

Project Scope: Tasking includes site and CESE maintenance as directed by 1NCD Representative.

Personnel: 2

Duration: April 2005 – October 2005

Mandays Expended: NMCB FIVE: 100
Cumulative: 100

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 100
Total Project MD: 100

Material Cost: \$1,200

Cost Savings: \$35,000

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



Site prep.



Completed road project.

PAVE ROAD AT SITE 3, POLARIS POINT GM2-802

Fellow US Navy members from the USS Frank Cable needed a suitable road to enter their quarter-deck and Seabees from NMCB FIVE were quick to answer the call.

Project Scope: Tasking included removal of the existing asphalt surface, repair base course using ¾ minus material provided by Orote point quarry, compact base course to a minimum of 95% compaction, spray a prime coat of emulsion, pave 1145' X 22' of roadway and repaint pedestrian crosswalk.

Personnel:	6	
Duration:	June 2005 – August 2005	
Mandays Expended:	NMCB FIVE:	493
	Cumulative:	493
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	296
	Total Project MD:	296
Material Cost:	\$77,910	
Cost Savings:	\$103,600	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Site prep.



Final Product.

CLEAN AND PAVE STORM DRAINS GM2-840

In order to improve the condition of roads on Guam, Seabees from NMCB FIVE removed damaged asphalt and replaced the area with a new layer.

Project Scope: A three-phase project. Two phases consisted of placing a 2" overlay over the existing asphalt. The third phase consisted of removing the existing asphalt and 6" of the sub grade and replace it with new ¾" minus fill and a new 2" asphalt layer.

Personnel:	7								
Duration:	May 2005 – August 2005								
Mandays Expended:	<table border="0" style="margin-left: 20px;"> <tr> <td>NMCB FIVE:</td> <td>308</td> </tr> <tr> <td>Cumulative:</td> <td>308</td> </tr> </table>	NMCB FIVE:	308	Cumulative:	308				
NMCB FIVE:	308								
Cumulative:	308								
Tasking:	<table border="0" style="margin-left: 20px;"> <tr> <td>WIP at turnover:</td> <td>0%</td> </tr> <tr> <td>WIP at completion:</td> <td>100%</td> </tr> <tr> <td>MD Tasked to NMCB FIVE:</td> <td>150</td> </tr> <tr> <td>Total Project MD:</td> <td>150</td> </tr> </table>	WIP at turnover:	0%	WIP at completion:	100%	MD Tasked to NMCB FIVE:	150	Total Project MD:	150
WIP at turnover:	0%								
WIP at completion:	100%								
MD Tasked to NMCB FIVE:	150								
Total Project MD:	150								
Material Cost:	\$33,049								
Cost Savings:	\$59,500								
Significant Safety Issues:	None								
Significant QC Issues:	None								
Significant Design Issues:	None								
Significant Material Issues:	None								



Seabees at work placing a spread footing.



Installation of grade beam forms.

CONSTRUCT MECHANIC SHOP, OROTE POINT QUARRY GM2-852

In order to increase the capability of the rock quarry at Camp Covington members from NMCB FIVE commenced construction of CMU maintenance facility.

Project Scope: Construct a 3,200 SF CMU building for the Orote Point Quarry. The building includes one office space, heads, equipment bays and storage, power, lighting and an oil/water separator.

Personnel:	16	
Duration:	April 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	894
	Cumulative:	894
Tasking:	WIP at turnover:	0%
	WIP at completion:	44%
	MD Tasked to NMCB FIVE:	636
	Total Project MD:	1,659
Material Cost:	\$417,644	
Cost Savings:	\$580,650	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Seabees placing the concrete lintel beams.



Completed CMU walls.

CONSTRUCT SECURITY FACILITY, NCTAMS GM2-862

To increase operational capability of forces at NCTAMS, Seabees from NMCB FIVE commenced construction of a new Pass and ID office.

Project Scope: Construct a 2000 SF single story CMU building to accommodate Pass and ID operations for NCTAMS. The project includes placing a slab on grade, CMU walls, cast in place concrete roof, utilities and finish electrical/plumbing.

Personnel:	11	
Duration:	April 2005 – October 2005	
Mandays Expended:	NMCB SEVEN:	546
	NMCB FIVE:	1,508
	Cumulative:	2,054
Tasking:	WIP at turnover:	32%
	WIP at completion:	61%
	MD Tasked to NMCB FIVE:	1,313
	Total Project MD:	2,054
Material Cost:	\$418,784	
Cost Savings:	\$592,900	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	Delay in overhead forming/shoring contract and delivery.	



Layout of subgrade drainage piping.



Seabees placing concrete.

CONSTRUCT LAUNDRY FACILITY, NAVAL BASE, GUAM GM1-875

Seabees from NMCB FIVE continued the construction of a new laundry facility to greatly increase the morale of troops stationed at Naval Base, Guam.

Project Scope: Construct a 7,700 SF laundry facility that will provide support to visiting ships. The facility will include 45 washers, 34 dryers, computer access, lounge, restrooms and vending machines.

Personnel:	12	
Duration:	April 2005 – October 2005	
Mandays Expended:	NMCB SEVEN:	291
	NMCB FIVE:	916
	Cumulative:	1207
Tasking:	WIP at turnover:	10%
	WIP at completion:	51%
	MD Tasked to NMCB FIVE:	1,289
	Total Project MD:	3,026
Material Cost:	\$661,730	
Cost Savings:	\$1,059,100	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Seabees building rebar cages.



Concrete placement of grade beams.

CONSTRUCT BREEZEWAY SEISMIC UPGRADES, NAVAL BASE, GUAM GM1-883

NMCB FIVE Seabees complete a seismic retrograde of the existing columns to improve the structural capabilities of Bachelor Enlisted Quarters.

Project Scope: The scope included installation of seismic columns and grade beams at breezeways of BEQ 7-10 and 11-14 CNM Main Base.

Personnel:	10
Duration:	April 2005 – September 2005
Mandays Expended:	NMCB FIVE: 529 Cumulative: 529
Tasking:	WIP at turnover: 0% WIP at completion: 100% MD Tasked to NMCB FIVE: 529 Total Project MD: 529
Material Cost:	\$105,802
Cost Savings:	\$185,150
Significant Safety Issues:	None
Significant QC Issues:	None
Significant Design Issues:	None
Significant Material Issues:	None



Placing concrete slab for new flagpole.



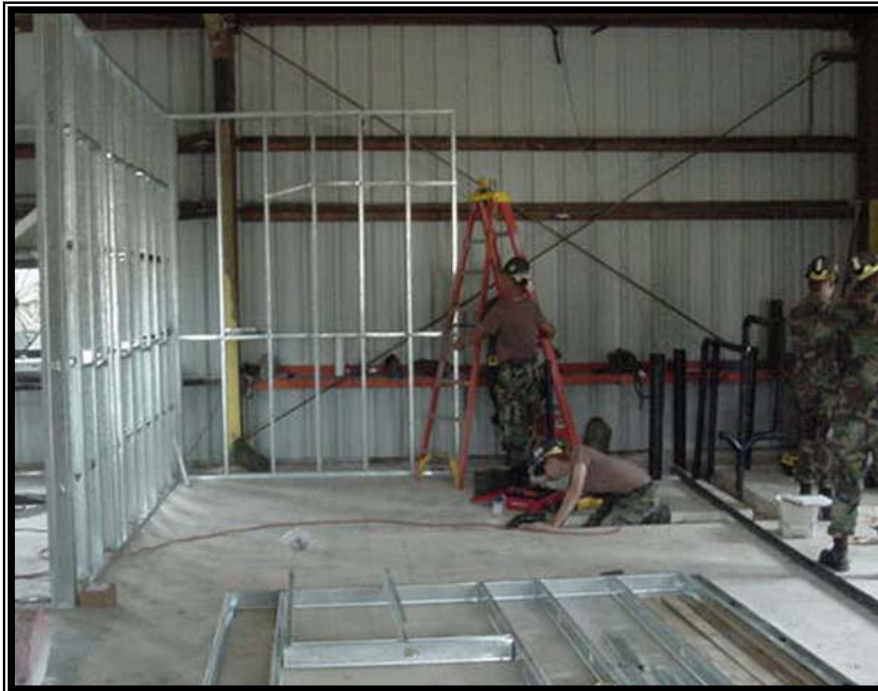
Installing ceiling tiles in new project office.

Camp Maintenance GM5-310

Camp Maintenance Tasking

PMs	413
WRs	358
SJs	268
Projects	398

Total Mandays Expended 1437



Constructing stud walls and installing plumbing in new projects office.

MAINBODY – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Total	%Total
Direct Labor MDs	338	726	1027	1000	1025	913	1023	312	6364	77%
Indirect Labor MDs	23	47	67	63	46	43	40	20	349	4%
Readiness/Training	75	125	640	200	140	200	110	65	1555	19%
Total MDs Exp	436	898	1734	1263	1211	1156	1173	397	8268	100%
# Total Personnel	320	338	345	349	358	363	345	345	N/A	
# Direct Labor	50	50	80	80	80	80	80	80	N/A	
# Workdays	10	23	24	22	25	23	21	5	153	
% Direct Labor	16%	15%	23%	23%	22%	22%	23%	23%	21%	
Ideal Capability	563	1294	2160	1980	2250	2070	1890	450	12479	
Availability Factor	73%	66%	77%	61%	52%	54%	60%	84%	66%	



Tent camp supplies.



Completed tent camp.

Tent Camp Reconstitution SW5-311

The completion of this project directly supported a 300-man tent camp for Operation Bright Star. It significantly increased the efficiency and timeliness of all operations.

Project Scope: Unload, inventory and reload 32 ISU-90 boxes in support of a 300 man tent camp for Operation Bright Star.

Personnel:	6	
Duration:	April 2005 – May 2005	
Mandays Expended:	NMCB FIVE:	88
	Cumulative:	88
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	88
	Total Project MD:	88
Material Cost:	\$0	
Cost Savings:	\$30,800	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Initial concrete placement.



Completed helo pad.

Construct Helo Pad #5 SW5-804

This project was located near Al Aiman Government Hospital. It significantly improved access to the hospital and its medevac capabilities.

Project Scope: Construct an 8 inch thick 65ft x 65ft concrete Helicopter landing pad, with an asphalt apron, associated perimeter lighting with wind direction equipment and 120 linear meters of curb in support of hospitals throughout the country of Jordan.

Personnel:	12	
Duration:	July 2005 – August 2005	
Mandays Expended:	NMCB FIVE:	256
	Cumulative:	256
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	318
	Total Project MD:	318
Material Cost:	\$91,120	
Cost Savings:	\$111,300	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Initial stages of building addition.



Completed addition.

Building 29 Addition SW5-808

The completion of this project supported base CE's and BU's. It significantly improved the working conditions for the troops, gave the electricians and builders dedicated shops and increased operational capabilities of command.

Project Scope: Remove existing roof and fence, construct BU Shop: 10m x 5m concrete foundation and wood structure. Construct CE Shop: 6m x 3m concrete foundation for a CMU building.

Personnel:	12	
Duration:	April 2005 – September 2005	
Mandays Expended:	NMCB FIVE:	412
	Cumulative:	412
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	412
	Total Project MD:	412
Material Cost:	\$56,100	
Cost Savings:	\$144,200	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	Significant material delays resulted in extended completion date.	



Initial site work.



Helo pad under construction.

Construct Helo Pad #6 SW5-809

This project was located near Al Aiman Government Hospital. It significantly improved access to the hospital and its medevac capabilities.

Project Scope: Construct an 8 inch thick 65ft x 65ft concrete Helicopter landing pad, with an asphalt apron, associated perimeter lighting with wind direction equipment and 120 linear meters of curb in support of hospitals throughout the country of Jordan.

Personnel:	12	
Duration:	August 2005 – September 2005	
Mandays Expended:	NMCB FIVE:	204
	Cumulative:	204
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	300
	Total Project MD:	300
Material Cost:	\$89,100	
Cost Savings:	\$105,000	

Significant Safety Issues: Scheduled completion date shifted due to force protection issues.

Significant QC Issues: None.

Significant Design Issues: None

Significant Material Issues: None



Al-Aiman hospital sidewalk.



Operation Bright Star camp survey.

**OIC Discretionary
SW5-510**

Project Listing

Place/finish concrete for Al-Aiman Hospital sidewalk	2
Configure Milvan for mobile recompression chamber	16
Site Survey for Operation Bright Star	4
Plan and Estimate Security Bearer	6
Construct Furniture for berthing trailers	12
Mount out Helo Pad Crew	10

Total Mandays Expended 50



Reconfigure MILVAN.



Reorganize BANZ warehouse.



Inventory excess CTR tools.

**Camp Maintenance
SW5-310**

Camp Maintenance Tasking

PMs	0
WRs	0
SJs	0
Projects	50

Total Mandays Expended 50



Construct kit boxes.

DET BAHRAIN – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Total	%Total
Direct Labor MDs	136	320	373	300	425	396	292	76	2318	76%
Indirect Labor MDs	0	98	97	105	13	51	0	3	367	12%
Readiness/Training	47	52	64	65	50	44	20	6	348	11%
Total MDs Exp	183	470	534	470	488	491	312	85	3033	100%
# Total Personnel	29	29	29	29	29	29	24	20	N/A	
# Direct Labor	19	19	19	19	19	19	14	15	N/A	
# Workdays	9	22	25	22	24	23	20	5	150	
% Direct Labor	66%	66%	66%	66%	66%	66%	58%	75%	66%	
Ideal Capability	192	470	534	470	513	492	315	84	3016	
Availability Factor	95%	79%	82%	78%	93%	89%	99%	97%	89%	



Encasement of electrical conduit.



Completed appliance installation.

Upgrade Utilities BLDG 1281 HW5-817

The completion of this project, located at PMRF Kauai, supported base MWR. It significantly reduced the time required for MWR personnel to complete the laundry for the base cabins and transient quarters. A laundry load that used to take four days was reduced to one-day job.

Project Scope: Upgrade plumbing and electrical systems to support commercial grade washer and dryer units. Included the construction / installation of: 250 linear ft of underground electrical lines, new electrical distribution panel and interior wiring, 100 linear ft of interior water lines, and 100 linear ft of drain lines.

Personnel:	4	
Duration:	April 2005 – June 2005	
Mandays Expended:	NMCB FIVE:	157
	Cumulative:	157
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	158
	Total Project MD:	158
Material Cost:	\$39,960	
Cost Savings:	\$55,300	

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: Design did not have bollards around new backflow preventer located near roadway. Design called for replacement 6' high electrical panel that would not fit in the location specified. Existing building had a water fountain and deep sink within 3' of electrical panel. Solar water heating system deleted and no alternative design provided. The hot water pipe was stubbed out for later installation of water heater.

Significant Material Issues: None



Construction of CMU wall.



Completed kennel addition.

Security Kennel Addition HW5-818

The completion of this project, located at Sub Base Pearl Harbor Oahu, supported NAVREG HI Security. It provided a much-needed upgrade to the existing dog kennel facility. The shade provided by the walls reduced the temperature inside the facility, significantly improving the living conditions for the dogs. The project also prevented birds from entering the dog kennel facility.

Project Scope: Construct addition to existing dog kennel facility. Included the construction / installation of: 120 linear ft of 4' high CMU block wall, 120 linear ft of steel framed expanded metal windows, 80 SF of metal louvers and 168 SF of roofing material.

Personnel:	4	
Duration:	April 2005 – June 2005	
Mandays Expended:	NMCB FIVE:	240
	Cumulative:	240
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	188
	Total Project MD:	188
Material Cost:	\$27,022	
Cost Savings:	\$65,800	

Significant Safety Issues: None

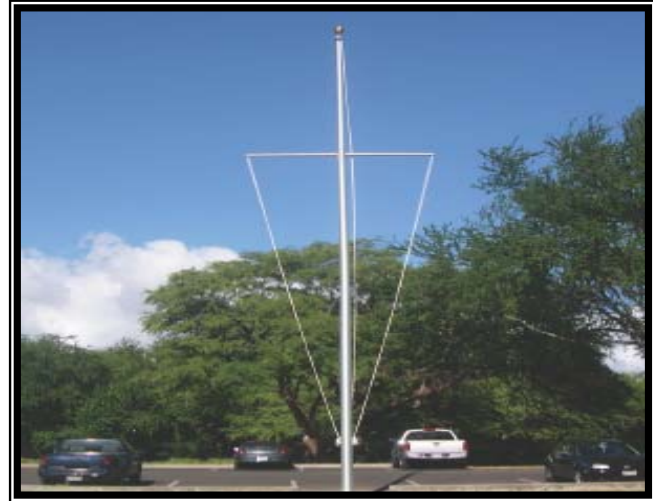
Significant QC Issues: None

Significant Design Issues: The bottom row of block specified in the plans was a 6" decorative CMU. The block was not available in Hawaii so split-face CMU block was modified to match existing.

Significant Material Issues: None



Finishing concrete for foundation.



Completed flag pole.

Replace Flagpole HW5-819

The completion of this project, located at the COMPACFLT Parade Field Makalapa Compound Oahu, supported base facilities. The flagpole is the pinnacle of the Parade Field and was a significant improvement over the preexisting flagpole.

Project Scope: Replace existing flagpole with a new 40' aluminum flagpole. Included the construction / installation of: a 3' round x 7.5' deep foundation, a 25 SF concrete pad and 10 linear ft of 5' wide sidewalk.

Personnel:	4	
Duration:	July 2005 – August 2005	
Mandays Expended:	NMCB FIVE:	45
	Cumulative:	45
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	46
	Total Project MD:	46
Material Cost:	\$ 9,501	
Cost Savings:	\$16,100	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Installation of reinforcing steel.



Completed Tension Fabric Structure (TFS).

Replace Warehouse II HW0-843

The completion of this project, located at MCBH Kaneohe Bay, Oahu supported base facilities. It provided 4,000 SF of warehouse storage to keep materials and equipment out of the harsh Hawaiian environment. This significantly reduced equipment maintenance requirements.

Project Scope: Construct a 40'x100' TFS (Tension Fabric Structure) warehouse. Project included site clearing and grading. Also included the construction / installation of a reinforced concrete pad and a 30 ft high aluminum framed TFS.

Personnel:	6	
Duration:	April 2005 – July 2005	
Mandays Expended:	NMCB FORTY:	234
	NMCB FIVE:	250
	Cumulative:	484
Tasking:	WIP at turnover:	35%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	248
	Total Project MD:	382

Material Cost: \$229,074

Cost Savings: \$133,700

Significant Safety Issues: None

Significant QC Issues: The structure fell requiring some rework.

Significant Design Issues: None

Significant Material Issues: None



Placing concrete pad.



Completed modification.

Outdoor Recreation Office Modifications HW3-857

The completion of this project, located at PMRF Kauai, supported base MWR. It significantly improved the working conditions for the Outdoor Recreation employees who did not have a restroom in their building prior to this project.

Project Scope: Construct an 8'x10' addition to an existing PEB to serve as a restroom facility. Included the construction / installation of: underground utilities, reinforced concrete slab, metal framed walls, sewage lift station, and 300 linear ft of sewer line.

Personnel: 4

Duration: June 2005 – August 2005

Mandays Expended: NMCB FIVE: 191
Cumulative: 191

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 186
Total Project MD: 186

Material Cost: \$22,514

Cost Savings: \$65,100

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: Metal siding for some fascia, flashing, side panels and roof panels were the wrong size. The vendor did not provide replacement pieces so the project was completed by splicing the available material.



Grading operations.



Compaction of gravel road.

Gravel Road Repair HW2-890

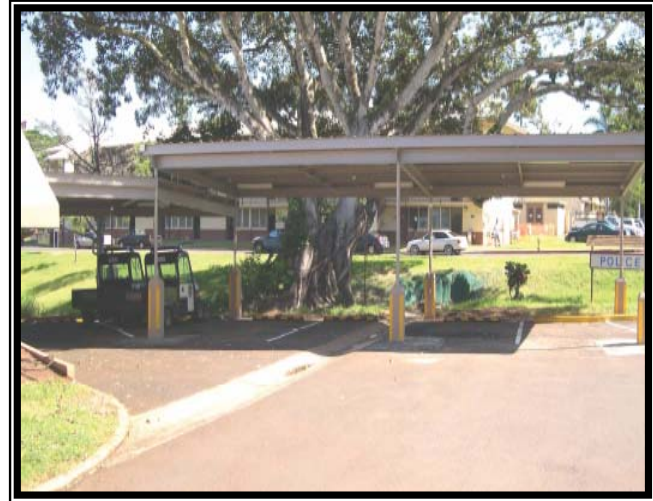
The completion of this project, located at NCTAMS Oahu, supported Base Security and ATRP. It significantly improved the condition of the perimeter roads of the base. The NCTAMS base has no security fence in many locations, and the perimeter roads are constantly patrolled to maintain security.

Project Scope: Repair all existing gravel / dirt perimeter security roads. Included clearing and grubbing, base compaction, 6" gravel base installation, rough grading, gravel compaction and finish grading of seven miles of road with a finished road width of 12'.

Personnel:	4	
Duration:	April 2005 – September 2005	
Mandays Expended:	NMCB FIVE:	312
	Cumulative:	312
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	531
	Total Project MD:	531
Material Cost:	\$484,806	
Cost Savings:	\$185,850	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Formwork for concrete foundations.



Completed covered area.

Construct Covered Area BLDG 5 HW2-898

The completion of this project, located at NCTAMS Oahu, supported Base Security. It significantly improved the working conditions for security personnel by providing an illuminated covered area for mustering and vehicle parking. Keeping the vehicles out of the weather also reduced maintenance requirements.

Project Scope: Construct a 18' x 62' covered area for vehicle parking.

Personnel: 4

Duration: August 2005 – October 2005

Mandays Expended: NMCB FIVE: 245
Cumulative: 245

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 200
Total Project MD: 200

Material Cost: \$69,057

Cost Savings: \$70,000

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



Excavation of mezzanine foundations.



Completed mezzanine.

Install Mezzanine BLDG 388 HW2-899

This project, located at PMRF Kauai, supports base supply. It significantly improved the useable storage capacity of an existing warehouse from 4,800 SF to 7,629 SF.

Project Scope: Install 2,829 SF of prefabricated steel mezzanine, reposition existing lighting fixtures to illuminate mezzanine deck and install new lighting fixtures below the mezzanine. Included the construction of 15 new concrete foundations, mezzanine structure, handrails, two stairways, 28 light fixtures, and 500 LF of electrical conduit.

Personnel: 4

Duration: August 2005 – October 2005

Mandays Expended: NMCB FIVE: 272
Cumulative: 272

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 209
Total Project MD: 209

Material Cost: \$146,435

Cost Savings: \$73,150

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: Long delay between initial mezzanine order (April '05) and shop drawing approval (June '05). Mezzanine manufacturer is a GSA contractor and direct procurement may have eliminated delays and saved money.



Gravel at tension fabric warehouse.



YMCA Bldg 89 shed replacement.

**OIC Discretionary
HW5-510**

Project Listing

NAVSTA Pearl Harbor: YMCA Bldg 89 Shed Replacement	56
SUBBASE Pearl Harbor: BLDG 823 Louver Fabrication	64
NAVMAG: EOD Bldg 563 Server Room Construction	80
MCBH: Gravel of Site (HW0-843 Warehouse)	50
NCTAMS: Gravel Road Storm Damage Repair	40
Other projects	160

Total Mandays Expended 450



MCBH sidewalk construction.



Detail photo board.



Buffing floors at detail spaces.

**Camp Maintenance
HW5-310**

Camp Maintenance Tasking

PMs	0
WRs	0
SJs	0
Projects	50

Total Mandays Expended 50



A Seabee performs a room build-out.

DET HAWAII – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Total	%Total
Direct Labor MDs	146	320	373	300	500	396	292	2327	77%
Indirect Labor MDs	0	98	97	105	13	51	0	364	12%
Readiness/Training	47	52	64	65	50	44	20	342	11%
Total MDs Exp	193	470	534	470	563	491	312	3033	100%
# Total Personnel	29	29	29	29	29	29	24	N/A	
# Direct Labor	19	19	19	19	19	19	14	N/A	
# Workdays	9	22	25	22	24	23	20	145	
% Direct Labor	66%	66%	66%	66%	66%	66%	58%	64%	
Ideal Capability	192	470	534	470	513	492	315	2983	
Availability Factor	100%	79%	82%	78%	107%	89%	99%	91%	



12' wall constructed of tires and sand.



Completed interior walls of structure.

REPAIR MOUT/MAC FACILITY CP1-801

NMCB FIVE was tasked with the restoration of the MOUT/MAC grenade range. This provides combat training for the Marines in a live ammo/patrol type movement.

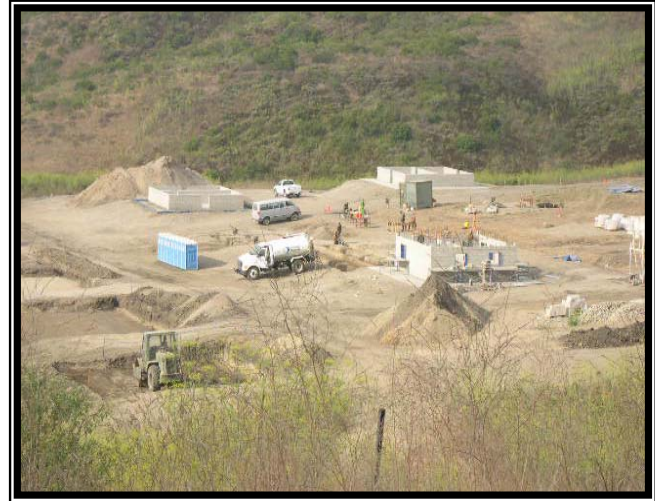
Project Scope: Construct a four-room grenade house with six bullet traps and one spider hole. Walls consist of stacks of tires packed with sand and bullet traps are steel frames covered with ballistic rubber and filled with shredded tires.

Personnel:	4	
Duration:	June 2005 – October 2005	
Mandays Expended:	NMCB SEVEN:	753
	NMCB FIVE:	147
	Cumulative:	900
Tasking:	WIP at turnover:	86%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	202
	Total Project MD:	955
Material Cost:	\$377,622	
Cost Savings:	\$334,250	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	

Significant Material Issues: Timeliness from ordering to delivery with supplier. Materials arrived at the wrong location on Camp Pendleton causing delays in construction.



Site layout.



Construction of last CMU structure.

CONSTRUCT COMBAT TOWN CP1-803

NMCB FIVE was tasked with the construction of Combat Town so the Marines of Camp Pendleton would have an urban training environment. This will better enable our troops to be better prepared for what lies ahead overseas.

Project Scope: Construct 19 CMU buildings. Construct footers using at least 3000 psi concrete and reinforced with RST. CMU walls will be core filled and have a cap for buildings requiring a roof.

Personnel:	4	
Duration:	April 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	610
	Cumulative:	610
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	600
	Total Project MD:	600
Material Cost:	\$636,000	
Cost Savings:	\$210,000.00	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Building site prior to construction.



Completed PEB.

CONSOLIDATED DIVE LOCKER SD4-846

The PEB will be used by the Consolidated Dive Unit to store supplies and material. It will allow for better organization of the storage yard and keep material out of the weather.

Project Scope: The scope of work includes the construction of 60'x30' pre-engineered building; demolition and removal of 1800 sq ft of existing asphalt and concrete; excavation of footers, placement of reinforcing steel and concrete.

Personnel:	4	
Duration:	August 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	142
	Cumulative:	142
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	156
	Total Project MD:	156
Material Cost:	\$7,800	
Cost Savings:	\$54,600	

Significant Safety Issues: Installation of the purlins and sheeting required the use of fall protection.

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



Initial grading.



Completed ball field.

EXTEND AND REPAIR BALL FIELD SD2-893

The new softball field and associated facilities have improved the MWR opportunities available at this site while reducing the chance of sports injuries due to this state of the art playing surface.

Project Scope: The Ball Field Project consists of demolition of the existing ball field and construction of a new one. The work involves installation of an irrigation system, sod, fence, back stop, dugouts, bleachers, scoreboard and a two story CMU score keepers booth with his and her restrooms.

Personnel:	8 - 12	
Duration:	April 2005 – October 2005	
Mandays Expended:	NMCB SEVEN:	303
	NMCB FIVE:	926
	Cumulative:	1229
Tasking:	WIP at turnover:	31%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	784
	Total Project MD:	1087
Material Cost:	\$491,072	
Cost Savings:	\$380,450	

Significant Safety Issues: The installation of 6 gauge fencing on 30' poles for the backstop required the use of fall protection.

Significant QC Issues: None

Significant Design Issues: The sewer system required redesign to account for existing site conditions. Native sandy soils were unable to meet compaction criteria. Fill was imported from a borrow site.

Significant Material Issues: None



Site prep for sidewalk at childcare center.



Excavation prep for sidewalk at Oasis.

**OIC Discretionary
SD5-510**

Project Listing

Oasis sidewalk project	162
Child development center sidewalk	44
Base chapel electrical work	4

Total Mandays Expended

210



Installation of new drainage ditch and concrete..

DET SAN DIEGO – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Total	%Total
Direct Labor MDs	176	474	560	474	500	396	325	2905	80%
Indirect Labor MDs	23	55	97	105	13	51	35	379	10%
Readiness/Training	47	52	64	65	50	44	20	342	9%
Total MDs Exp	246	581	721	644	563	491	380	3626	100%
# Total Personnel	33	33	33	33	33	33	33	N/A	
# Direct Labor	22.5	22.5	22.5	22.5	22.5	22.5	22.5	N/A	
# Workdays	9	22	25	22	24	23	15	140	
% Direct Labor	68%	68%	68%	68%	68%	68%	68%	68%	
Ideal Capability	228	557	633	557	608	582	380	3544	
Availability Factor	98%	94%	99%	97%	91%	76%	91%	92%	



Placing the concrete slab.



Aerial view of the two PEBs.

FLIGHT LINE ADMIN BUILDINGS PHASE II WI2-814 FY02

Phase II is the construction of 3 additional 20' x 48' PEBs on the Flight Line of NAS Whidbey Island. CBU 417 is tasked with 1 building and NMCB FIVE is tasked with 2. These 2 PEBs will replace the 2 adjacent deteriorated PEBs for the squadrons on the Flight Line.

Project Scope: Erect two 20'x48' pre-engineered buildings. Construction included concrete foundation slab, steel stud framing and 5/8" sheet rock, suspended ceiling, vinyl composition tile floor covering. Rough and finish electrical work included installation of wall mounted heaters, emergency lights, glass diffusers, interior lights, exit lights, and receptacles.

Personnel:	6	
Duration:	April 2005 – November 2005	
Mandays Expended:	NMCB FIVE:	556
	Cumulative:	556
Tasking:	WIP at turnover:	0%
	WIP at completion:	72%
	MD Tasked to NMCB FIVE:	576
	Total Project MD:	576
Material Cost:	\$251,100	
Cost Savings:	\$295,400	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Placement of concrete for one of two abutments.



Launching of Mabey-Johnson Bridge.

CRESCENT HARBOR MARSH BRIDGE WI5-821 FY05

The completed project will eventually allow water to flow from Crescent Harbor into the marsh area and allow the salmon and other fish to swim freely along the stream of the marsh area. This is an extremely high visibility project for the base and the environmental department of the state of Washington.

Project Scope: Construction of 450' detour road, placement of 600 cubic yards of riprap, construction of 2 concrete abutments and approaches, and the installation of a 120'x19' Mabey-Johnson Bridge.

Personnel:	4	
Duration:	April 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	363
	Cumulative:	363
Tasking:	WIP at turnover:	0%
	WIP at completion:	65%
	MD Tasked to NMCB FIVE:	384
	Total Project MD:	384
Material Cost:	\$510,000	
Cost Savings:	\$268,800	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	Underground utilities were shown incorrectly on design plans.	
Significant Material Issues:	None	

DET WHIDBEY ISLAND – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Total	%Total
Direct Labor MDs	81	152	192	179	202	214	132	2	1154	66%
Indirect Labor MDs	27	80	47	41	64	66	61	10	396	23%
Readiness/Training	21	35	32	32	29	29	14	1	193	11%
Total MDs Exp	129	267	271	252	295	309	207	13	1743	100%
# Total Personnel	18	18	18	18	18	17	16	16	N/A	
# Direct Labor	10	10	10	10	10	9	8	8	N/A	
# Workdays	11	22	24	22	24	23	20	2	148	
% Direct Labor	56%	56%	56%	56%	56%	53%	50%	50%	54%	
Ideal Capability	124	248	270	248	270	233	180	18	1561	
Availability Factor	82%	76%	83%	85%	86%	104%	81%	17%	77%	

CAT PALAU Executive Summary

U. S. Naval Mobile Construction Battalion FIVE deployed a 13-person Civic Action Team (CAT) 05-33 to Camp Katuu in the Republic of Palau (ROP). All personnel embarked from Port Hueneme, California on 05 April 2005 and arrived on 11 April 2005 after a two-day indoctrination in Guam. The detail consisted of one Officer, one Chief Petty Officer, three First Class Petty Officers, seven Second Class Petty Officers, and one Third Class Petty Officer. The detail was tasked with four mission elements: Community Construction, Community Relations (COMREL) events, Apprentice training, and a Medical Civic Action Program (MEDCAP).

The Civic Action Team remained ADCON to the Mainbody of NMCB FIVE stationed in Camp Covington, Guam throughout the deployment. The detachment received a re-supply shipment from DETCAT Guam, via surface vessel, approximately every three weeks, containing TOA items, ARP, and personnel items. In addition to items received on the shipment the detail could purchase items locally in Palau through the use of Government Purchase Card (GPC), SF44s, and a \$1,000 Imprest fund. Since there was no Government messing available in Palau the team contributed their per diem to hire a cook and purchase groceries.

The detachment had a manday capability of 1365 combined military and apprentice labor. This capability includes the four mission elements of community construction, COMREL, apprentice training and MEDCAP. CAT Palau is unlike the normal NCF detachment in that most projects are not developed by higher headquarters and tasked prior to arrival. Thus, the CAT OIC & AOIC must work with the local Government of Palau, through a Civic Action Coordinating Committee (CACC), develop, plan, and execute projects. The Team's primary undertaking was to complete 664 man-days of mainly finish work for a pre-engineered building to be used as Police/Fire Substation, in Melekeok – the site for ROP's new Capitol building.

One of the most unique to the Navy and sometimes most rewarding aspects to being a part of the Civic Action Team is the direct community involvement. During the deployment, they participated, supported and hosted 47 events throughout the Republic. Highlights of the teams participation include supporting the Red Cross, Earth Day, and Smoke Free 5k Run/Walk-a-Thons; Track and Field officiating for the 7th South Pacific Mini Games; Memorial Day wreath laying ceremony in Peleliu; hosting local American citizens in celebration for the 229th U.S. Independence Day at Camp Katu'u; Observance of the 61st Anniversary of the Battle of Peleliu, and participating in various activities celebrating the 11th Independence Day of the Republic of Palau. In addition, the team also showed over 50 movies twice a week on camp and in many states throughout Palau.

The apprentice-training program consists of a one-year curriculum in all seven Seabee ratings, plus HM and SK/YN apprentices. An average of 10 apprentices are trained at any one time, and a total of 6 graduated during the detail's time in Palau. Training consisted of multiple elements. The most prominent was on-the-job training, which was taught at both the projects and in the shops. Not as frequently the team would provide classroom training to the apprentices, but this was not as effective as OJT. This program is a great benefit for Palau and the member that goes through. Beyond the basic skills they gain in their rate, they are exposed to two viewpoints that the Navy holds dear and will serve them for the rest of their life: The United States Navy Core values of Honor, Courage and Commitment and the Seabee "CAN DO" spirit.

The Medical Civic Action Program here in Palau is lead by the team's Independent Duty Corpsman (IDC). There are several elements that make up the MEDCAP program. Patients are seen at the Camp Katuu clinic on a walk-in basis. In addition to patients seen locally, the corpsman makes trips to dispensaries at outlying states in conjunction with the Belau National Hospital. Throughout this deployment the team Corpsman has volunteered his time and expertise at various events where medical support was required. Over the course of the deployment the team Corpsman has visited over 6 states and seen over 937 patients.



Interior of PEB.



Completed PEB.

FIRE/POLICE PEB SUB-STATION PROJECT, MELEKEOK ROR 04-20

The State of Melekeok is the site for the newly constructed capitol building for the national government of Palau. The Fire/Police PEB Sub-station project will serve as the primary emergency responder to 10 states on the island of Babelthuap, Republic of Palau.

Project Scope: Complete construction of 40' x 60' Butler pre-engineered building to include all site-work, utilities, finishes, and access road.

Personnel: 12 (7 Seabees and 5 Palauan apprentices)

Duration: August 2004 – September 2005

Mandays Expended:

NMCB THREE:	300
AIR FORCE:	1250
NMCB FIVE:	850
Cumulative:	2400

Tasking:

WIP at turnover:	62%
WIP at completion:	100%
MD Tasked to NMCB FIVE:	850
Total Project MD:	2045

Material Cost: \$300,000

Cost Savings: \$715,750

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



Installation of plywood dividers.



Finished kitchen renovation.

NGARCHELONG ELEM. SCHOOL KITCHEN RENOVATION ROR 05-40

This project improved the Ngarchelong elementary school kitchen allowing better meals to be prepared under improved sanitary conditions. This project will improve the health and well being of the local school children.

Project Scope: Replace dilapidated mosquito screens, install new jalousie windows, construct countertop, and install kitchen sink.

Personnel:	6	
Duration:	September 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	70
	Cumulative:	70
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	75
	Total Project MD:	75
Material Cost:	\$2,500	
Cost Savings:	\$26,250	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Spreading gravel.



Completed section of cross island road.

REPAIR SOUTH CROSS ISLAND ROAD ROR 05-43

The South Cross Island Road is a 5.7-mile stretch of dirt road that links the States of Ngchesar and Ngatpang on the island of Babelthuap. During the construction of the U.S. – R.O.P. Compact Road, the South Cross Island Road served as the main alternate route for public traffic linking four States east of Babelthuap to the rest of the country.

Project Scope: The scope of work consists of the resurfacing of the 5.7-mile South Cross Island Road by hauling, grading, and compacting over 5,000 cubic meters of 6” minus gravel, sloped and shaped for proper drainage.

Personnel:	4	
Duration:	May 2005 – July 2005	
Mandays Expended:	NMCB FIVE:	140
	Cumulative:	140
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	131
	Total Project MD:	131
Material Cost:	\$100,000	
Cost Savings:	\$45,850	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Placing 4" concrete slab.



Finished basketball court.

ASSEMBLY OF GOD BASKETBALL COURT ROR 05-46

Construction of this project increased the utility of the local church which provides important services to the local population and is a social center for the community.

Project Scope: Excavate and level slope area. Form and place 17 cu.yds.of 4" thick concrete pad using WWF. Prefab and mount backboards on two metal poles, and set poles on each end with concrete foundation.

Personnel:	3
Duration:	August 2005 – September 2005
Mandays Expended:	NMCB FIVE: 55 Cumulative: 55
Tasking:	WIP at turnover: 0% WIP at completion: 100% MD Tasked to NMCB FIVE: 75 Total Project MD: 75
Material Cost:	\$3,000
Cost Savings:	\$26,250
Significant Safety Issues:	None
Significant QC Issues:	None
Significant Design Issues:	None
Significant Material Issues:	None



Maintenance of stair railings.



Flag raising during 61st anniversary of the battle of Peleliu.

PELELIU WORLD WAR II MEMORIAL UPKEEP ROR 05-47

Peleliu is the site of one of the bloodiest battles of World War II against the Japanese Imperial Army in the Pacific region. Over 10,000 U.S. military forces died as a result of the battle that lasted for two months. Three prominent memorials still stand today, they are: 81st U.S. Army Infantry Orange Beach Memorial, 134th U.S. Army Infantry Bloody Nose Ridge Memorial, and the 1st MARDIV Memorial.

Project Scope: Grounds upkeep and vegetation clearing of U.S. World War II memorial sites on the island of Peleliu.

- Personnel:** 4 personnel
- Duration:** April 2005 – September 2005
- Mandays Expended:**

NMCB FIVE:	12
Cumulative:	12
- Tasking:**

WIP at turnover:	0%
WIP at completion:	100%
MD Tasked to NMCB FIVE:	9
Total Project MD:	9
- Material Cost:** \$1,500
- Cost Savings:** \$3,150
- Significant Safety Issues:** None
- Significant QC Issues:** None
- Significant Design Issues:** None
- Significant Material Issues:** None



Seabee fixing rain gutter.



Local apprentice cleans potable water tank.

Camp Maintenance ROR-300

Camp Maintenance Tasking

PMs	0
WRs	42
SJs	125
Projects	115

Total Mandays Expended 282



Grading V-ditch for proper camp drainage.

CAT PALAU – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Total	%Total
Direct Labor MDs	76	176	190	188	193	196	41	1060	87%
Indirect Labor MDs	27	41	3	4	14	7	3	99	8%
Readiness/Training	8	8	9	9	9	9	9	61	5%
Total MDs Exp	111	225	202	201	216	212	53	1220	100%
# Total Personnel	13	13	13	13	13	13	13	N/A	
# Direct Labor	8	8	8	8	8	8	8	N/A	
# Workdays	12	25	26	25	27	25	7	147	
% Direct Labor	62%	62%	62%	62%	62%	62%	62%	62%	
Ideal Capability	108	225	234	225	243	225	63	1323	
Availability Factor	78%	82%	85%	88%	83%	91%	79%	84%	

DFT Combined Afloat Readiness And Training (CARAT) Executive Summary

NMCB FIVE supported Pacific Command with an Engineering Civic Action Project (ENCAP) during DFT Combined Afloat Readiness And Training (CARAT) in the Philippines. First unit on the ground and last unit to leave the country, NMCB FIVE had the greatest impact to the local population and significant coverage from international media.

NMCB FIVE constructed a 2,000 square foot reinforced concrete school in a rural community. In spite of high threat conditions and unexpected weather delays, the facility was completed within budget and ahead of schedule. Seabees practiced their seamless interoperability capability in a peacetime operation with the Philippine Seabees, which can be readily translated to contingency missions. NMCB FIVE Seabees interacted with local school children during off hours and served as "Ambassadors of Goodwill" for the Navy and the United States of America.



Detail JTF Alaskan Roads Executive Summary

NMCB FIVE supported construction of a 14 mile road to serve a rural Native American reservation on Annette Island, Alaska, an ongoing project scheduled to be completed in 2007. The tasking provided intense in-rate training for four Equipment Operators and two Engineering Aids in a variety of advanced construction skills. Rain and high winds were an almost daily concern that required careful planning and attention to the task at hand.

The Seabees integrated into a joint Army, Army National Guard, Air Force, Marines, Marine Reserves, and Navy Reserves project team. During the deployment Seabees from NMCB FIVE drilled over 210,000 linear feet of granite and shale, detonated 160,000 pounds of explosives, displaced 180,000 cubic yards of rock, and placed over 1,200 reference point stakes and 900 slope stakes to extend control over 3 miles. NMCB FIVE personnel also trained over 45 rotational troops who deployed to JTF Alaskan Roads for two weeks of annual training.

In spite of adverse weather conditions, the road progressed according to schedule. Outstanding performances from all Seabees from NMCB FIVE contributed to the tremendous success of the project. The Seabees from NMCB FIVE demonstrated the true nature of the "Professionals" assisting to forge a lasting relationship between the U.S. Navy and the Alaskan people.

SAFETY

The NMCB FIVE Command Safety Policy promotes a safe and healthy environment for all Seabees. This strategy was continued in all contingency operations undertaken by members of the Battalion. With safety in the forefront, the Battalion enhanced operational capabilities by increasing individual knowledge required to save lives, prevent mishaps and preserve resources. Despite being assigned to countries where there were no standards in the form of safety and environmental practices, members of NMCB FIVE assigned to Details spread throughout Southwest Asia pursued an aggressive and comprehensive NAVOSH program utilizing ORM and conducted continuous training ensuring the safest possible work practices and conditions for the Battalion.

SOUTH WEST ASIA DETAIL SAFETY SUMMARY

	Apr 05	May 05	Jun 05	Jul 05	Aug 05	Sep 05	Oct 05	Total
Fatalities	0	0	0	0	0	0	0	0
# Lost Days	0	0	0	2	2	0	0	4
# Lost Day Cases	0	0	0	1	1	0	0	2
# Light Duty Days	5	0	17	14	14	0	0	51
# Light Duty Cases	1	0	2	0	0	0	0	3
# No Lost Time Mishaps	2	1	2	0	0	4	1	10
Total Number Mishaps	3	1	4	1	1	4	1	15

SOUTH WEST ASIA ON-DUTY MISHAPS

	Apr 05	May 05	Jun 05	Jul 05	Aug 05	Sep 05	Oct 05	Total
No Lost Time Mishaps	2	1	2	0	0	4	1	10
Cases Light Duty	1	0	2	0	0	0	0	3
Light Duty Days	5	0	17	14	14	0	0	51
Cases Lost Work Days	0	0	0	1	1	0	0	2
Lost Work Days	0	0	0	2	2	0	0	4
Fatalities	0	0	0	0	0	0	0	0

CONTINGENCY OPERATIONS SUMMARY MATRIX

Project Number	Total Project Mandays	Total Project Material Cost (\$)	Mandays Tasked	Tasked %	Final WIP	Mandays Expended by prior NMCBs	Mandays Expended this deployment
XA4-901	600	450,000	600	67-100%	100%	300	300
XA5-902	250	97,000	250	0-100%	100%	0	250
XA4-903	686	330,000	436	50-100%	100%	250	436
XA5-906	500	450,000	500	0-100%	100%	0	500
XB5-301	230	15,000	230	0-100%	100%	0	230
XB5-900	625	206,567	263	50-100%	100%	362	267
XB5-906	160	84,011	160	0-100%	100%	0	160
XB5-907	430	100,310	360	79-100%	100%	285	145
XB5-909	160	93,409	160	62-100%	100%	100	60
XC5-900	814	420,000	814	0-100%	100%	0	814
XC5-901	550	91,000	550	0-100%	100%	0	417
XC5-902	450	91,000	450	0-100%	100%	0	305
XC5-903	450	91,000	450	0-100%	100%	0	264
XC5-906	200	55,000	200	0-100%	100%	0	240
XC5-907	150	8,500	150	0-100%	100%	0	150
XC5-908	400	91,000	400	0-100%	100%	0	301
XC5-909	400	91,000	328	80%	82%	0	207
KU5-820	85	25,000	85	0-100%	100%	0	85
KU5-823	1125	405,112	1125	0-100%	100%	0	1125
XD5-900	744	120,315	744	0-100%	100%	0	744
XD5-901	390	86,100	390	0-100%	100%	0	390
XD5-902	332	76,230	332	0-100%	100%	0	332
XD5-903	13	890	13	0-100%	100%	0	13
XD5-904	67	5,560	67	0-100%	100%	0	67
XD5-905	134	13,325	134	0-100%	100%	0	134
XD5-906	185	15,100	185	0-100%	100%	0	185
XD5-908	21	1,200	21	0-100%	100%	0	21
XD5-909	541	96,000	541	0-100%	100%	0	541
XD5-911	120	17,250	120	0-100%	100%	0	120
XD5-912	420	65,300	23	10%	19%	0	23
XD5-913	88	9,230	88	45%	45%	0	40
TOTAL	11320	3,701,409	10169			1297	8866



Seabees shown erecting structural steel.



Completed hangar.

HANGAR #1 XA4-901

This was the second hangar constructed by the detail. This hangar had a standard design with a telescoping hangar door on one end and a clamshell door at the other end.

Project Scope: Construct a 90' x 130' Sprung tension fabric structure. Work includes placing a 1' thick concrete pad for the Sprung structure and a 2' thick foundation for the telescoping hangar doors.

Personnel:	8	
Duration:	May 2005 – June 2005	
Mandays Expended:	NMCB SEVEN:	300
	NMCB FIVE:	300
	Cumulative:	600
Tasking:	WIP at turnover:	50%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	300
	Total Project MD:	600
Material Cost:	\$450,000	
Cost Savings:	\$210,000	

Significant Safety Issues: Fall protection for work in the lifts or on top of the structure was a safety concern. Crane operation was performed by a contractor.

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



Seabees shown framing SWA hut.



Completed SWA hut.

CONSTRUCT SIX SWA HUTS XA5-902

Southwest Asia (SWA) huts provide expedient facilities for various purposes. The detail built SWA huts for use as a dog kennel, office space, and berthing.

Project Scope: Construct six (6) SWA huts tailored to client's requirements.

Personnel:	6	
Duration:	April 2005 – July 2005	
Mandays Expended:	NMCB FIVE:	250
	Cumulative:	250
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	250
	Total Project MD:	250
Material Cost:	\$97,000	
Cost Savings:	\$87,500	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Seabees shown installing the fabric shell.



Completed hangar and taxiway ramp.

HANGAR #2 XA4-903

This tower hangar contains a couple of unique construction features not normally found in a Sprung tension fabric structure. One end of the hangar is a flat panel wall instead of a domed clamshell door, and there is insulation between the inner and outer fabric.

Project Scope: Construct a 90' x 100' Sprung tension fabric structure, a 20' x 20' x 33' high tower to house antennas, and place a concrete taxiway ramp. Work includes placing a 1' thick concrete pad, and building out the interior of the tension fabric structure.

Personnel:	7	
Duration:	January 2005 – June 2005	
Mandays Expended:	NMCB SEVEN:	250
	NMCB FIVE:	436
	Cumulative:	686
Tasking:	WIP at turnover:	36%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	436
	Total Project MD:	686
Material Cost:	\$330,000	
Cost Savings:	\$240,100	

Significant Safety Issues: Fall protection for work in the lifts or on top of the structure was a safety concern. Crane operation was performed by a contractor.

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



A Seabee assembles structural members.



Seabees construct office space.

FORWARD OPERATING BASE SUPPORT XA5-905

Seabee forward operating base support provided the client with an efficient method of completing short-fused construction or maintenance projects at remote locations.

Project Scope: Provide general construction and maintenance support at various forward operating bases (FOB) throughout Iraq. The number of Seabees at the FOB sites depends on the client's mission requirements.

Personnel:	5-30	
Duration:	April 2005 – November 2005	
Mandays Expended:	NMCB FIVE:	3,001
	Cumulative:	3,001
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	4,304
	Total Project MD:	4,304
Material Cost:	N/A	
Cost Savings:	\$1,506,400	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Structural steel erection.



Completed hangar.

HANGAR #3 XA5-906

The Sprung structure is a quick means of providing hangar space. The crews gained efficiency with the erection of these structures and reduced execution time to approximately four weeks for completion of this hangar.

Project Scope: Construct a 90' x 130' Sprung tension fabric structure. Work includes pouring a 1' thick concrete pad, and a 2' thick foundation for the telescoping doors.

Personnel:	8	
Duration:	June 2005 – Aug 2005	
Mandays Expended:	NMCB FIVE:	500
	Cumulative:	500
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	500
	Total Project MD:	500
Material Cost:	\$450,000	
Cost Savings:	\$175,000	

Significant Safety Issues: Fall protection for work in the lifts or on top of the structure was a safety concern. Crane operation was performed by a contractor.

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



Seabees install a 1.2MW generator.



Completed transformer and panel box.

ELECTRICAL DISTRIBUTION XA5-908

This project provides the camp with its own source of power. This project was turned over to NMCB 133 due to a delay in delivery of the remaining generators.

Project Scope: Provide power to the camp through two 1.5 MW generators. Work includes trenching; pulling and burying high and low voltage power cables; installing transformers, transfer switches, and panel boxes; and terminating connections.

Personnel:	3	
Duration:	July 2005 – March 2006	
Mandays Expended:	NMCB FIVE:	322
	Cumulative:	322
Tasking:	WIP at turnover:	0%
	WIP at completion:	89%
	MD Tasked to NMCB FIVE:	360
	Total Project MD:	360
Material Cost:	\$525,342	
Cost Savings:	\$126,000	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	Delay in delivery of generators affected progress of work.	



Seabees laying CMU block.



OPSEC screening of ongoing project.

PEB EXTENSION XA5-909

This building provides the client with more operational space. Significant effort was expended to validate materials/inventory which were in Turkey. Project turned over to NMCB 133.

Project Scope: Construct a 60' x 100' pre-engineered building (PEB). Work includes placement of concrete footers, grade beam, concrete cap, and CMU block placement.

Personnel:	8	
Duration:	July 2005 – December 2005	
Mandays Expended:	NMCB FIVE:	743
	Cumulative:	743
Tasking:	WIP at turnover:	0%
	WIP at completion:	42%
	MD Tasked to NMCB FIVE:	426
	Total Project MD:	1014
Material Cost:	\$316,278	
Cost Savings:	\$354,900	

Significant Safety Issues: None

Significant QC Issues: The delivered PEB did not contain any detailed prints or inventory.

Significant Design Issues: None

Significant Material Issues: Supplier delivered incorrectly sized siding panels, and some items such as the rain gutters were not delivered. Delay in delivery of correct and omitted items impacted progress of work.



PVC conduit.



Seabees digging a trench for PVC conduit.

FIBER OPTICS XA5-910

This project supports the Communications Officer's plan to provide fiber optic connectivity to the camp.

Project Scope: Provide conduit for fiber optic connectivity throughout the camp. Work includes trenching, laying, and burying PVC pipe; and fabrication and installation of junction boxes.

Personnel:	3	
Duration:	July 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	233
	Cumulative:	233
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	300
	Total Project MD:	300
Material Cost:	\$10,000	
Cost Savings:	\$105,000	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Site work in progress.



Finished concrete pad.

SPRUNG CONCRETE XA5-911

This project provides additional area for parking and placement of equipment and trailers.

Project Scope: Place a concrete pad in the area of the Sprung hangars for vehicle traffic. Work includes grading, form work, backfilling, and placement of approximately 1,193 cubic meters of concrete.

Personnel:	3	
Duration:	August 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	264
	Cumulative:	264
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	300
	Total Project MD:	300
Material Cost:	\$173,000	
Cost Savings:	\$105,000	

Significant Safety Issues: None

Significant QC Issues: The quality of the concrete mix varied from truck to truck.

Significant Design Issues: None

Significant Material Issues: Concrete quality was a constant issue.



Site Work for Keyway and Footers.



Completed Keyway and Footers.

**HANGAR #4
XA5-912**

This project provides additional hangar space for the clients.

Project Scope: Construct a 90' x 130' Sprung tension fabric structure. Work includes saw cutting and placement of the hangar door keyway and footers.

Personnel:	4	
Duration:	October 2005 – December 2005	
Mandays Expended:	NMCB FIVE:	33
	Cumulative:	33
Tasking:	WIP at turnover:	0%
	WIP at completion:	7%
	MD Tasked to NMCB FIVE:	33
	Total Project MD:	500
Material Cost:	\$450,000	
Cost Savings:	\$175,000	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Screeding a fuel pad.



Installing a wooden walkway.

**Task Force Minor Projects
XA5-500**

Project Listing

Place gravel	70
Build wooden walkways	20
Place T-barriers	80
Demo Hesco barriers at abandoned building	12
Other	1,815
Total Mandays Expended	1,997



Stripping forms from a generator pad.



Bravo company servicing A/C units.



A steel worker builds a junction box.

Camp Maintenance XA5-300

Camp Maintenance Tasking

PMs	791
WRs	791
SJs	0
Projects	396

Total Mandays Expended 1978



A Seabee performs preventative maintenance on a generator.

DET IRAQ I – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Total	%Total
Direct Labor MDs	741	1167	1426	1348	2009	1762	1781	329	10563	81%
Indirect Labor MDs	89	254	243	254	260	336	388	45	1869	14%
Readiness/Training	0	117	82	81	80	80	136	68	644	5%
Total MDs Exp	830	1538	1751	1683	2349	2178	2305	442	13076	100%
# Total Personnel	78	82	83	80	97	97	105	105	N/A	
# Direct Labor	51	55	55	54	70	70	100	100	N/A	
# Workdays	12	25	26	25	27	25	26	5	171	
% Direct Labor	65%	67%	66%	68%	72%	72%	95%	95%	75%	
Ideal Capability	689	1547	1609	1519	2126	1969	2925	563	13346	
Availability Factor	108%	83%	94%	94%	98%	94%	66%	71%	88%	



A Seabee lays out a concrete pour.



Completed HLZ.

HELICOPTER LANDING ZONE XC5-900

Integrated Active Duty and Reserve Seabees worked through extreme weather conditions in a contingency environment to complete a Helicopter Landing Zone for the Iraqi Special Operations Forces Brigade. The project increased the capabilities of the Joint Task Force in direct support of Operation Iraqi Freedom III.

Project Scope: Construct 200' x 300' 10" thick reinforced concrete pad with 4" of compacted sub base to be used as a Helicopter Landing Zone. Construct 25' reinforced concrete apron around entire perimeter.

Personnel:	10	
Duration:	May 2005 – September 2005	
Mandays Expended:	NMCB FIVE:	814
	Cumulative:	814
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	814
	Total Project MD:	814
Material Cost:	\$420,000	
Cost Savings:	\$284,900	

Significant Safety Issues: None

Significant QC Issues: Rejecting poor quality concrete resulted in inconsistent finishes. Quality of the concrete provided by contractors varied from truck to truck.

Significant Design Issues: None

Significant Material Issues: Inconsistent quality and delivery delays caused the workability and finish of the concrete to vary significantly.



Seabees erecting steel.



Completed K-span.

K-SPAN 1 XC5-901

Despite being faced with tremendous odds regarding material delivery in a contingency environment, integrated Active Duty and Reserve Seabees constructed a much needed Motor pool and Storage Facility for the Iraqi Special Forces.

Project Scope: Construct a 48' x 100' K-span structure, to include all earthwork, 8" reinforced concrete slab on grade, mechanical/electrical services, and partition walls. To be used as partial office space and partial warehouse.

Personnel:	8 – 11	
Duration:	May 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	417
	Cumulative:	417
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	550
	Total Project MD:	550
Material Cost:	\$91,000	
Cost Savings:	\$192,500	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	

Significant Material Issues: Concrete vendor did not provide adequate means of delivery so all concrete was mixed on site, greatly increasing placement difficulty. Restrictions on deliveries in a contingency environment led to complications acquiring K-span steel and personnel doors.



Seabees pressing steel panels.



Completed K-span.

K-SPAN 2 XC5-902

Despite being faced with tremendous odds regarding material delivery in a contingency environment, integrated Active Duty and Reserve Seabees constructed a much needed Motor pool and Storage Facility for the Iraqi Special Forces.

Project Scope: Construct a 48' x 100' K-span structure, to include all earthwork, 8" reinforced concrete slab on grade, mechanical/electrical services, and partition walls. To be used as partial office space and partial warehouse.

Personnel:	8 – 11	
Duration:	May 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	305
	Cumulative:	305
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	450
	Total Project MD:	450
Material Cost:	\$91,000	
Cost Savings:	\$157,500	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	

Significant Material Issues: Concrete vendor did not provide adequate means of delivery so all concrete was mixed on site, greatly increasing placement difficulty. Restrictions on deliveries in a contingency environment led to complications acquiring K-span steel and personnel doors.



A Seabee prepares the footing.



Completed K-span.

K-SPAN 3 XC5-903

By the time the integrated Active Duty and Reserve Seabees were working on K-span 3 they truly were “the Professionals”, especially at constructing K-spans. The much needed Motor pool and Storage Facility for the Iraqi Special Forces was constructed with amazing efficiency.

Project Scope: Construct a 48’ x 100’ K-span structure, to include all earthwork, 8” reinforced concrete slab on grade, mechanical/electrical services, and partition walls. To be used as partial office space and partial warehouse.

Personnel:	8 – 11	
Duration:	May 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	264
	Cumulative:	264
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	450
	Total Project MD:	450
Material Cost:	\$91,000	
Cost Savings:	\$157,500	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	

Significant Material Issues: Concrete vendor did not provide adequate means of delivery so all concrete was mixed on site, greatly increasing placement difficulty. Restrictions on deliveries in a contingency environment led to complications acquiring K-span steel and personnel doors.



EA2 McClay observes local national contractors repairing a roof.



CM1 Wold tests electrical wiring.

CONTRACT QA/QC XC5-904

Two Seabees monitored over \$19 million in construction projects. Both personnel contributed significantly to improve the Iraqi Contractors construction standards and practices during stand-up of Area IV and the Iraqi Special Operations Forces Brigade.

Project Scope: Two personnel assigned full-time to monitor all construction efforts at Area IV. They act as a direct representative of the Area IV Engineer on the project site and provide status reports and recommendations as needed.

Personnel:	2	
Duration:	April 2005 – November 2005	
Mandays Expended:	NMCB FIVE:	354
	Cumulative:	354
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	354
	Total Project MD:	354
Material Cost:	N/A	
Cost Savings:	\$123,900	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Seabees construct a counter for the issuing facility.



A Seabee welds a door frame.

FOB SUPPORT XC5-905

Integrated Active Duty and Reserve Seabees provided direct support to a Naval Special Warfare Group in buildup of a forward operating base at a remote location.

Project Scope: Provide support to Naval Special Warfare Group stationed at a remote location in a contingency environment. The personnel performed carpentry, electrical work, steel construction, and camp maintenance as needed.

Personnel:	5	
Duration:	July 2005 – November 2005	
Mandays Expended:	NMCB FIVE:	458
	Cumulative:	458
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	458
	Total Project MD:	458
Material Cost:	N/A	
Cost Savings:	\$160,300	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



A Seabee welds the steel cage.



Completed steel cage for the CIF.

CIF BUILDOUT XC5-906

The Integrated Active Duty and Reserve Seabee team dedicated the most skilled welders and builders in the expeditious build-out of the Central Issue Facility (CIF) for the Iraqi Special Operations Forces Brigade. The project increased the capabilities of the Joint Task Force in direct support of Operation Iraqi Freedom III.

Project Scope: Renovate four (4) existing rooms into an arms room, central issuing facility, and a supply room to support Iraqi Special Forces. Work includes construction of a steel cage for three of the rooms; and shelving and counter-tops for the issuing facility.

Personnel:	7	
Duration:	April 2005 – May 2005	
Mandays Expended:	NMCB FIVE:	240
	Cumulative:	240
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	200
	Total Project MD:	200
Material Cost:	\$55,000	
Cost Savings:	\$70,000	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	Delivery of the expanded metal caging was delayed. No impact to overall construction schedule.	



Seabees finish framing interior walls.



Completed wall with sheathing.

BUILDING 1 RENOVATION XC5-907

This was the first project that the integrated Active Duty and Reserve executed at this Det site. The facility was renovated to provide the Iraqi Special Operations Forces Brigade with company team rooms. The project increased capabilities of the Joint Task Force in direct support of Operation Iraqi Freedom III.

Project Scope: Renovate an existing large office area into four (4) smaller offices. Work includes constructing walls, installing drop ceiling, changing power outlets, priming, and painting.

Personnel: 6

Duration: April 2005 – May 2005

Mandays Expended: NMCB FIVE: 150
Cumulative: 150

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 150
Total Project MD: 150

Material Cost: \$8,500

Cost Savings: \$52,500

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: Paint acquisition was difficult.



Footing layout.



Completed footing.

K-SPAN #4 XC5-908

Despite being faced with tremendous odds regarding material delivery in a contingency environment, Seabees from NMCB 5/27 constructed a much needed Motor pool and Storage Facility for the Iraqi Special Forces.

Project Scope: Construct a 48' x 100' K-span for use as office and warehouse spaces. Work includes earthwork, 6" thick reinforced concrete slab on grade, mechanical/electrical services, partition walls, and pavement improvements.

Personnel:	10	
Duration:	May 2005 – November 2005	
Mandays Expended:	NMCB FIVE:	301
	Cumulative:	301
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	400
	Total Project MD:	400

Material Cost: \$91,000

Cost Savings: \$210,000

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: One of the concrete vendors did not provide adequate means of delivery so all concrete had to be mixed on site. This brought about several challenging issues with placement. The Det also experienced several complications acquiring steel for the K-spans and steel man-doors due to restrictions on delivery in a contingency environment.



Seabees constructing footing rebar.



Nearly completed structure.

K-SPAN #5 XC5-909

Overcoming tremendous struggles with material and equipment, integrated Active Duty and Reserve Seabees placed the footings and the concrete pad, erected the structure, and completed the interior build-out for the structure effectively setting up the next Battalion for success.

Project Scope: Construct a 48' x 100' K-span for use as office and warehouse spaces. Work includes earthwork, 6" thick reinforced concrete slab on grade, mechanical/electrical services, partition walls, and pavement improvements.

Personnel:	5	
Duration:	May 2005 – July 2005	
Mandays Expended:	NMCB FIVE:	207
	Cumulative:	207
Tasking:	WIP at turnover:	0%
	WIP at completion:	92%
	MD Tasked to NMCB FIVE:	328
	Total Project MD:	400
Material Cost:	\$91,000	
Cost Savings:	\$140,000	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	

Significant Material Issues: Concrete vendor did not provide adequate means of delivery so all concrete had to be mixed on site. This brought about several challenging issues with placement.



Seabees build an outdoor shoothouse.



Seabees construct a guard shack.

Task Force Minor Projects XC5-500

Project Listing

Outdoor Shoot House	148
(3) Shade Structures	112
Construct Guard Shack	35
Construct Builder Shop	30
Installing infrastructure to Housing	100
Building Seabee Trailer Park and Office Space	105

Total Mandays Expended 530



Seabees construct a new builders shop.



Building stairs in the trailer park.



Rehabbing a shower trailer.

**Camp Maintenance
XC5-300**

Camp Maintenance Tasking

PMs	0
WRs	0
SJs	0
Projects	400

Total Mandays Expended 400



Trailer park maintenance.

DET IRAQ II – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Total	%Total
Direct Labor MDs	318	643	677	667	708	696	676	76	4461	94%
Indirect Labor MDs	5	10	15	12	9	5	6	3	65	1%
Readiness/Training	18	38	38	38	34	38	34	6	244	5%
Total MDs Exp	341	691	730	717	751	739	716	85	4770	100%
# Total Personnel	35	35	35	35	35	35	32	20	N/A	
# Direct Labor	26	26.5	26.5	26.5	26.5	26.5	25	15	N/A	
# Workdays	12	25	26	25	27	25	26	5	171	
% Direct Labor	74%	76%	76%	76%	76%	76%	78%	75%	76%	
Ideal Capability	351	745	775	745	805	745	731	84	4773	
Availability Factor	96%	91%	92%	95%	92%	98%	97%	97%	95%	



Seabees building a new ECP guard tower.



Assembling geo-textile.

FORCE PROTECTION PROJECTS XB5-301

NMCB FIVE built and improved perimeter defenses around a 50-building, 14-acre Special Forces Camp.

Project Scope: Clearing, grubbing, and grading land and placing new precast concrete barrier walls; assembling and filling soil barriers; constructing new entry control point and guard tower; upgrading four additional perimeter guard towers.

Personnel: 4

Duration: April 2005 – October 2005

Mandays Expended: NMCB FIVE: 230
Cumulative: 230

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 230
Total Project MD: 230

Material Cost: \$15,000

Cost Savings: \$80,500

Significant Safety Issues: Daytime summer heat.

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: Limited funding delayed purchase of Class IV materials.



CE2 Caetano places concrete.



Completed HLZ.

HELICOPTER LANDING ZONE XB4-900

Integrated Active Duty and Reserve Seabees placed thirty-one 1200 square foot concrete pads to complete a 200' x 300' Helicopter Landing Zone. The project increased the capabilities of the Joint Task Force in direct support of Operation Iraqi Freedom III.

Project Scope: Construct 200' x 300' 10" thick reinforced concrete pad with 4" of compacted sub base to be used as a Helicopter Landing Zone. A 25' reinforced concrete apron around entire perimeter was constructed by a contractor.

Personnel:	7
Duration:	August 2005 – October 2005
Mandays Expended:	NMCB SEVEN: 362 NMCB FIVE: 267 Cumulative: 629
Tasking:	WIP at turnover: 58% WIP at completion: 100% MD Tasked to NMCB FIVE: 263 Total Project MD: 625
Material Cost:	\$206,567
Cost Savings:	\$218,750

Significant Safety Issues: Daytime desert heat, alkali exposure.

Significant QC Issues: Poor quality concrete resulted in inconsistent finishes. Quality of the concrete provided by contractors varied from truck to truck.

Significant Design Issues: None

Significant Material Issues: Inconsistent quality and delivery delays caused the workability and finish of the concrete to vary significantly. Insurgent activity occasionally interrupted stone deliveries or shut off water supplies resulting in slight delays to project.



Seabees install high bay lighting.



Completed storage spaces.

BUILDING 1319: MOTOR POOL STORAGE FACILITY XB5-906

Integrated Active Duty and Reserve Seabees renovated an existing 12,000 square foot warehouse into a motor pool storage facility.

Project Scope: Constructing wood stud/ plywood storage room; drywall toilet rooms; installation of new high-bay lighting, wiring, and panels; installation of doors, frames, and trim; installation of new plumbing lines, fixtures, and split-system air conditioning units.

Personnel:	4	
Duration:	May 2005 – August 2005	
Mandays Expended:	NMCB FIVE:	160
	Cumulative:	160
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	160
	Total Project MD:	160
Material Cost:	\$84,011	
Cost Savings:	\$56,000	

Significant Safety Issues: Installation of overhead high-bay lighting.

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



UT2 Golladay installs an A/C unit.



Completed gym.

BUILDING 1308: GYMNASIUM XB5-907

Two battalions worked steadily to complete the renovation of an abandoned pre-war warehouse into a new gymnasium facility.

Project Scope: Constructing metal stud/ gypsum partitions, installation of new lighting, wiring, and panels; installation of doors, frames, and trim; installation of new plumbing lines, fixtures, and split-system air conditioning units.

Personnel:	4	
Duration:	February 2005 – May 2005	
Mandays Expended:	NMCB SEVEN:	285
	NMCB FIVE:	145
	Cumulative:	430
Tasking:	WIP at turnover:	79%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	145
	Total Project MD:	430
Material Cost:	\$100,310	
Cost Savings:	\$150,500	
Significant Safety Issues:	None	
Significant QC Issues:	Electrical wiring and coolant lines required rework to integrate into the project.	
Significant Design Issues:	None	
Significant Material Issues:	None	



BU1 Ciman inspects sanitary sewer excavations.



Contractor delivers fill for roadway improvement.

CONTRACT QUALITY ASSURANCE/ QUALITY CONTROL XB5-908

NMCB FIVE inspects quality of contractor executed work on Fire Base Bennett.

Project Scope: Inspection of all work performed by workers contracted for projects at Fire Base Bennett. Projects include debris removal, building envelope repair, construction of roadways, and installation of new sanitary and electrical systems.

Personnel:	2	
Duration:	April 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	167
	Cumulative:	167
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	167
	Total Project MD:	167
Material Cost:	\$0	
Cost Savings:	\$58,450	

Significant Safety Issues: Local contractors frequently not prepared to adhere to US safety standards.

Significant QC Issues: Electrical components frequently substandard.

Significant Design Issues: None

Significant Material Issues: None.



CE1 Jermyn installs emergency lighting.



Completed Shop Spaces.

BUILDING 1318: MOTOR POOL XB5-909

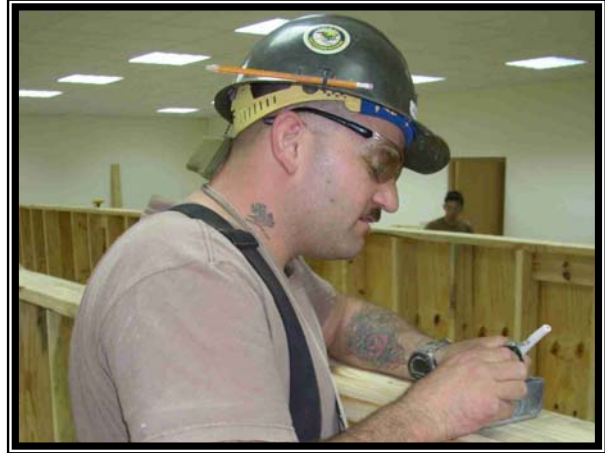
Integrated Active duty and Reserve Seabees worked to complete the renovation of an abandoned pre-war warehouse into a motor pool facility.

Project Scope: Convert an existing 12,000 SF warehouse into a motor pool facility. Work includes installing lighting, wiring, and panels; installing doors, frames, and trim; installing baseboard; installing plumbing fixtures; and testing existing electrical and plumbing work.

Personnel:	3	
Duration:	January 2005 – October 2005	
Mandays Expended:	NMCB SEVEN:	100
	NMCB FIVE:	60
	Cumulative:	160
Tasking:	WIP at turnover:	63%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	160
	Total Project MD:	160
Material Cost:	\$93,409	
Cost Savings:	\$56,000	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	Damage to existing roof delayed project completion.	
Significant Material Issues:	None	



Seabees fill HESCO barriers.



CE2 Jermyn wires power to JOC workstations.

Task Force Minor Projects XB5-500

Project Listing

JOC Platform	30
SIGCEN server room	25
Sidewalks	93
Tower A-13	25
Renovate CTR/MLO	110
Hesco barriers	10

Total Mandays Expended **293**



Construction of JOC platform.



Seabees make electrical repairs.



CE1 Jermyn arranges for delivery of repair parts for generators.

Camp Maintenance XB5-300

Camp Maintenance Tasking

PMs	0
WRs	298
SJs	0
Projects	0

Total Mandays Expended 298



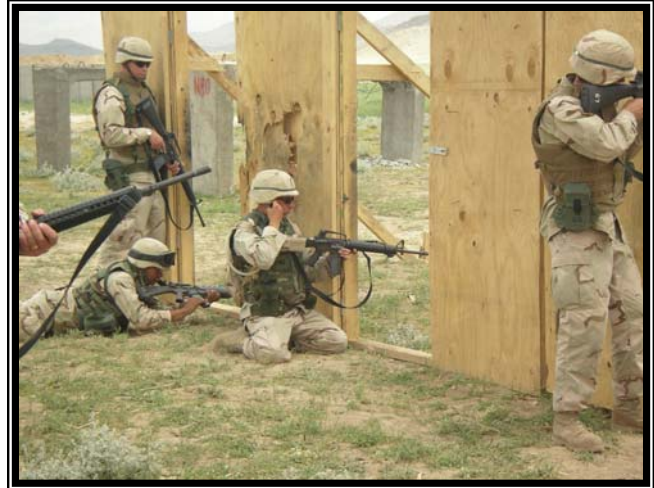
BU1 Davison replaces a faulty split A/C unit.

DET IRAQ III – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Total	%Total
Direct Labor MDs	92.1	259.7	265.5	304.2	318.8	262	159.3	20.1	1681.7	58%
Indirect Labor MDs	72.6	202	175.2	169.3	164.9	171.1	108.9	20.1	1084.1	38%
Readiness/Training	6	13	13	13.6	15.3	14.6	42.8	2.5	120.8	4%
Total MDs Exp	170.7	474.7	453.7	487.1	499	447.7	311	42.7	2886.6	100%
# Total Personnel	17	17	17	17	16	15	12	8	N/A	
# Direct Labor	11	11	11	11	10	9	8	5	N/A	
# Workdays	12	25	26	25	27	25	26	5	171	
% Direct Labor	65%	65%	65%	65%	63%	60%	67%	63%	64%	
Ideal Capability	149	309	322	309	304	253	234	28	1828	
Availability Factor	66%	88%	87%	103%	110%	109%	86%	80%	91%	



Seabees conducting convoy training.



Seabees conducting Close Quarters Training.

RSO&I TRAINING KU5-601

The Battalion was tasked with providing RSO&I Training for all Naval Construction Force entering the CENTCOM theater.

Project Scope: RSO&I Training support included gear issue of OTV's , ammo, and Personal Protective Equipment. BZO of TOA weapon, Close quarters marksmanship training and theater specific Intel and situation awareness lectures for over 2,500 Seabees.

Personnel: 5

Duration: April 2005 – November 2005

Mandays Expended: NMCB FIVE: 120
Cumulative: 120

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 120
Total Project MD: 120

Material Cost: \$0

Cost Savings: \$42,000

Significant Safety Issues: None

Significant QC Issues: N/A

Significant Design Issues: N/A

Significant Material Issues: N/A



Seabee operating CESE.



Seabees loading a C130 for embark.

EMBARK SUPPORT KU5-801

The battalion was tasked with providing embark support for all Naval Construction Force personnel deployed in the CENTCOM theater.

Project Scope: Embark support included the movement of personnel for deployment, redeployment emergency leave, demobilization, and VIP visits. Also, embark of CESE, ARP, and Class IV material, as required. Total of over 4,500 personnel and 168 pieces of CESE, and 400,000 lbs of cargo via airlift was embarked from Kuwait.

Personnel:	3	
Duration:	April 2005 – November 2005	
Mandays Expended:	NMCB FIVE:	462
	Cumulative:	462
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	462
	Total Project MD:	462
Material Cost:	\$0	
Cost Savings:	\$161,700	
Significant Safety Issues:	None	
Significant QC Issues:	N/A	
Significant Design Issues:	N/A	
Significant Material Issues:	N/A	



A seabee installs plywood subfloor.



Completed vinyl tile floor.

GALLEY BUILDING RENOVATION KU5-820

Renovated existing galley buildings to be used as RSO&I classrooms and battalion training spaces.

Project Scope: Resheath subfloor with plywood. Install vinyl composite tiles. Construct new interior partition walls. Insulate walls and ceiling. Paint interior walls. Install new air conditioning units and repair existing A/C units.

Personnel:	4	
Duration:	July 2005 – July 2005	
Mandays Expended:	NMCB FIVE:	85
	Cumulative:	85
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	85
	Total Project MD:	85
Material Cost:	\$25,000	
Cost Savings:	\$29,750	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Seabees construct a SWA Hut.



Completed SWA huts.

CONSTRUCT 25 SWA HUTS KU5-823

The battalion was tasked with constructing SWA huts to house transient personnel staying at Camp Moreell. The work crew overcame initial construction material quality issues in order to provide comfortable, well-built berthing spaces for Seabees staying at Camp Moreell.

Project Scope: Remove existing GP medium tents and grade surface to establish the building footprint. Build floor joists, exterior walls, insulate walls and ceiling, install interior wall sheathing, install interior shelving units, install entrance/exit doors and complete finish carpentry. Construct metal roofing system. Install rough and finish electrical systems and install air conditioning units.

Personnel:	10	
Duration:	April 2005 – September 2005	
Mandays Expended:	NMCB FIVE:	1125
	Cumulative:	1125
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	1125
	Total Project MD:	1125
Material Cost:	\$405,112	
Cost Savings:	\$393,750	
Significant Safety Issues:	None	
Significant QC Issues:	Quality of lumber at onset of project was substandard.	
Significant Design Issues:	None	
Significant Material Issues:	None	



Seabees construct a SWA Hut.



Completed SWA huts.

CONSTRUCT 19 SWA HUTS KU5-828

The Battalion was tasked with constructing SWA huts to house transient personnel staying at Camp Moreell. The work crew overcame initial construction material quality issues in order to provide comfortable, well-built berthing spaces for Seabees staying at Camp Moreell.

Project Scope: Remove existing GP medium tents and grade surface to establish the building footprint. Build floor joists, exterior walls, insulate walls and ceiling, install interior wall sheathing, install interior shelving units, install entrance/exit doors and complete finish carpentry. Construct metal roofing system. Install rough and finish electrical systems and install air conditioning units.

Personnel:	10	
Duration:	September 2005 – November 2005	
Mandays Expended:	NMCB FIVE:	170
	Cumulative:	170
Tasking:	WIP at turnover:	0%
	WIP at completion:	20%
	MD Tasked to NMCB FIVE:	170
	Total Project MD:	855
Material Cost:	\$307,885	
Cost Savings:	\$59,500	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Partially backfilled trench for power lines.



Completed electrical panel.

SWA HUT PRIME POWER KU5-829

Upgrade three existing electrical panels and wire runs supplying power to SWA Huts.

Project Scope: Replaced three main electrical panels with upgraded capabilities. Replace power runs from panels to SWA Huts with larger gauge wire. Excavated trench and buried wire.

Personnel:	6
Duration:	September 2005 – December 2005
Mandays Expended:	NMCB FIVE: 52 Cumulative: 52
Tasking:	WIP at turnover: 0% WIP at completion: 34% MD Tasked to NMCB FIVE: 53 Total Project MD: 150
Material Cost:	\$43,000
Cost Savings:	\$52,500

Significant Safety Issues: Existing wire was undersized for required electrical load.

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



Installation of personnel gate.



Completed security fence.

ARMORY FENCE KU5-830

Install eight foot perimeter security fence with barbed wire for armory and ammunition supply point, including two gates for vehicles and one personnel gate with magnetic lock.

Project Scope: Remove earth berms and HESCO barriers. Grade existing soil. Drill fence post holes. Install fence posts, fence fabric and barbed wire. Install gates, fence hardware and magnetic lock.

Personnel: 4

Duration: September 2005 – October 2005

Mandays Expended: NMCB FIVE: 180
Cumulative: 180

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 180
Total Project MD: 180

Material Cost: \$11,962

Cost Savings: \$63,000

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: Added corner braces for stability.

Significant Material Issues: None



Completed asphalt milling project.



A Seabee finishes the concrete slab.

**OIC DISCRETIONARY
KU5-500**

PROJECT LISTING

Asphalt Millings, Camp Moreell	450
Install Concrete Slab, U.S. Army LSA	40
Power Distribution, Camp Moreell	20
Sewage Lagoon, Ali Al Salem Air Force Base	75
SWA Hut Maintenance, Camp Moreell	100
Trailer Renovations, Camp Moreell	100

TOTAL MANDAYS EXPENDED: 785



Seabee trenching the sewage lagoon.



A Seabee performs building maintenance.



Seabees performing plumbing repairs.

Camp Maintenance KU5-300

Camp Maintenance Tasking

PMs	0
WRs	1298
SJs	60
Projects	0

Total Mandays Expended 797



Seabee performing welding task.

DET KUWAIT – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Total	%Total
Direct Labor MDs	450	952	973	948	804	837	440	5404	85%
Indirect Labor MDs	80	125	125	125	15	125	80	675	11%
Readiness/Training	31	48	48	48	48	48	31	302	5%
Total MDs Exp	561	1125	1146	1121	867	1010	551	6381	100%
# Total Personnel	73	72	67	67	60	64	63	N/A	
# Direct Labor	40	40	39	39	33	35	36	N/A	
# Workdays	12	25	26	25	27	25	13	153	
% Direct Labor	55%	56%	58%	58%	55%	55%	57%	49%	
Ideal Capability	540	1125	1141	1097	1002	984	527	5637	
Availability Factor	89%	89%	90%	91%	85%	90%	89%	78%	



Initial rough framing.



Completed building.

Wood Structure 1 XD5-900

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment to complete the project. This project directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Construct a 32' x 135' wood structure on concrete with 16' high walls, and tie it to existing wood structures. Work includes installing plywood sheeting; constructing two interior stairwells, interior partition walls, truss roof; installing plywood sheeting, tar paper, and tin on the roof; and installing electrical system.

Personnel:	13	
Duration:	April 2005 – July 2005	
Mandays Expended:	NMCB FIVE:	744
	Cumulative:	744
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	744
	Total Project MD:	744
Material Cost:	\$120,315	
Cost Savings:	\$260,400	

Significant Safety Issues: Construction of a two story structure required the use of fall protection.

Significant QC Issues: None

Significant Design Issues: Customer scope of work and design requirements continually changed throughout the duration of the project.

Significant Material Issues: None



These completed roof trusses were fabricated on site.



Completed conference room.

Wood Structure 2 XD5-901

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment to complete the project. This project directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Construct a two-story 43' x 69' wood structure with 9' high walls adjacent to Wood Structure 3, and tie it in with the existing Wood Structure 1. Work includes concrete placement; fabricating and installing roof-mounted antenna and HVAC platforms; installation of interior and exterior plywood sheathing, partition walls, roof trusses, built up roofing (plywood, tar paper, and tin sheeting), and electrical.

Personnel:	5	
Duration:	July 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	390
	Cumulative:	390
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	390
	Total Project MD:	390
Material Cost:	\$86,100	
Cost Savings:	\$136,500	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Initial framing of exterior walls.



Completed building.

Wood Structure 3 XD5-902

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment to complete the project. This project directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Construct a 43' x 90' wood structure with 10' high walls, and tie it in with the existing Wood Structure 1. Work includes concrete placement; fabricating and installing roof-mounted antenna and HVAC platforms; installation of interior and exterior plywood sheathing, partition walls, roof trusses, built up roofing (plywood, tar paper, and tin sheeting), and electrical.

Personnel:	5	
Duration:	July 2005 – September 2005	
Mandays Expended:	NMCB FIVE:	332
	Cumulative:	332
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	332
	Total Project MD:	332
Material Cost:	\$76,230	
Cost Savings:	\$116,200	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Excavation for formwork.



Completed concrete pad.

Motor Pool Concrete #1 XD5-903

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment to complete the project. This project directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Construct an 18' x 25' concrete pad adjacent to an existing pad.

Personnel: 3

Duration: April 2005 – May 2005

Mandays Expended: NMCB FIVE: 13
Cumulative: 13

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 13
Total Project MD: 13

Material Cost: \$890

Cost Savings: \$4,550

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



Removal of existing concrete.



Completed concrete pad.

North Motor Concrete #2 XD5-904

Project required pad to be perfectly level and identical to existing K-Span elevation. Project was an excellent opportunity for a junior Seabee to lead a crew on a small project with exacting standards.

Project Scope: Construct a 30' x 50' concrete pad. Work includes demolition of existing concrete pad, formwork, and placement of concrete.

Personnel: 5

Duration: April 2005 – May 2005

Mandays Expended: NMCB FIVE: 67
Cumulative: 67

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 67
Total Project MD: 67

Material Cost: \$5,560

Cost Savings: \$23,450

Significant Safety Issues: None

Significant QC Issues: Accuracy of concrete form work and finish elevation.

Significant Design Issues: None

Significant Material Issues: None



Initial sitework.



Completed wash rack.

Wash Rack XD5-905

Project required steel ramps to hold extreme weight loads. Project also required proper drainage for water run-off.

Project Scope: Construct a 30' x 55' four vehicle concrete wash rack with a 300' concrete drainage ditch.

Personnel: 7

Duration: May 2005 – June 2005

Mandays Expended: NMCB FIVE: 134
Cumulative: 134

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 134
Total Project MD: 134

Material Cost: \$13,325

Cost Savings: \$46,900

Significant Safety Issues: None

Significant QC Issues: Accuracy of concrete form work and finish elevation for proper drainage.

Significant Design Issues: Base master plan for drainage and infrastructure continually modified.

Significant Material Issues: None



Initial concrete placement.



Completed pole barn.

Pole Barn XD5-906

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment to complete the project. This project directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Construct a 20' x 100' pole barn on concrete. Work includes installing a plywood and tin sheeting roof.

Personnel: 4

Duration: April 2005 – May 2005

Mandays Expended: NMCB FIVE: 185
Cumulative: 185

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 185
Total Project MD: 185

Material Cost: \$15,100

Cost Savings: \$64,750

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



Sitework for concrete placement.



Completed concrete pad.

Concrete Storage Pad XD5-908

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment to complete the project. This project directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Construct a 28' x 88' 1' thick concrete pad adjacent to the runway. Work includes site preparation and formwork.

Personnel:	5	
Duration:	June 2005 – June 2005	
Mandays Expended:	NMCB FIVE:	21
	Cumulative:	21
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	21
	Total Project MD:	21
Material Cost:	\$1,200	
Cost Savings:	\$7,350	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Formwork for the footer.



Completed K-span.

K-Span 1 XD5-909

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment to complete the project. This project directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Construct a 52' x 100' K-span structure. Work includes demolishing an existing wood structure (23' x 121' x 20' heavy timber construction), removing an existing 20' x 60' Alaskan shelter, installing electrical, compressed air utilities, and a containerized paint booth.

Personnel:	5	
Duration:	June 2005 – September 2005	
Mandays Expended:	NMCB FIVE:	541
	Cumulative:	541
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	541
	Total Project MD:	541
Material Cost:	\$96,000	
Cost Savings:	\$189,350	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Demolition of office and berthing area.



Renovated space.

FOB Support XD5-910

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment support numerous FOBs throughout the AO. This support directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Provide general engineering and construction support for eleven various locations throughout Central Commands area of responsibility. Tasking to include various new camp build-ups, wood frame construction, roofing, ground water drainage, office and berthing space new construction and remodeling, electrical power grid redistribution, interior electrical, interior plumbing, surveying, and Quality Assurance of contracted local national labor.

Personnel: 4

Duration: April 2005 – October 2005

Mandays Expended: NMCB FIVE: 536
Cumulative: 536

Tasking: WIP at turnover: 0%
WIP at completion: 100%
MD Tasked to NMCB FIVE: 536
Total Project MD: 536

Material Cost: N/A

Cost Savings: \$187,600

Significant Safety Issues: None

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



Initial installation of roll roofing.



Completed Roof.

Replace Roof XD5-911

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment to complete the project. This project directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Construct a roof for a two-story 40' x 80' pre-existing building. Work includes fabrication and installation of roof trusses, plywood sheathing, and tin sheathing.

Personnel:	5	
Duration:	June 2005 – June 2005	
Mandays Expended:	NMCB FIVE:	120
	Cumulative:	120
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	120
	Total Project MD:	120
Material Cost:	\$17,250	
Cost Savings:	\$42,000	

Significant Safety Issues: Replacing the roof of a two story structure required the use of fall protection.

Significant QC Issues: None

Significant Design Issues: None

Significant Material Issues: None



Exterior wall framing.



Exterior sheathing being installed.

Wood Structure 4 XD5-912

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment to complete the project. This project directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Construct a one-story 32' x 68' wood structure with 10' high walls on concrete slab and tie it in with the existing Wood Structure 1 and 5. Work includes concrete placement, installation of interior and exterior plywood sheathing, partition walls, roof trusses, built up roofing (plywood, tar paper, and tin sheeting), and electrical.

Personnel:	5	
Duration:	October 2005 – December 2005	
Mandays Expended:	NMCB FIVE:	23
	Cumulative:	23
Tasking:	WIP at turnover:	0%
	WIP at completion:	19%
	MD Tasked to NMCB FIVE:	23
	Total Project MD:	420
Material Cost:	\$65,300	
Cost Savings:	\$84,350	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Initial concrete formwork.



Nearly completed building.

Wood Structure 5 XD5-913

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment to complete the project. This project directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Reconfigure and construct extensions of three pre-existing wood structures to tie buildings and roof lines in with Wood Structure 1. Work includes fabricating and installing roof-mounted antenna and HVAC platforms; installation of interior and exterior plywood sheathing, partition walls, roof trusses, built up roofing (plywood, tar paper, and tin sheeting), and electrical.

Personnel:	3	
Duration:	July 2005 – November 2005	
Mandays Expended:	NMCB FIVE:	40
	Cumulative:	40
Tasking:	WIP at turnover:	0%
	WIP at completion:	45%
	MD Tasked to NMCB FIVE:	88
	Total Project MD:	88
Material Cost:	\$9,230	
Cost Savings:	\$30,800	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Seabees place concrete piers.



Seabees installing rafters for a building tie in.

Wood Structure 8 XD5-914

Integrated Active Duty and Reserve Seabees worked under arduous conditions in a contingency environment to complete the project. This project directly increased the capabilities of the Joint Task Force in direct support of the Global War on Terrorism.

Project Scope: Construct a 35' x 40' L-shaped extension to connect two existing buildings. Work includes installation of a shower stall, two toilets, and two 1,000 liter external sewage and water tanks with pump and 20-gal water heater; installation of interior and exterior plywood sheathing, partition walls, rafters, built up roofing (plywood, tar paper, and tin sheeting), and electrical.

Personnel:	5	
Duration:	June 2005 – October 2005	
Mandays Expended:	NMCB FIVE:	232
	Cumulative:	232
Tasking:	WIP at turnover:	0%
	WIP at completion:	100%
	MD Tasked to NMCB FIVE:	232
	Total Project MD:	232
Material Cost:	\$17,200	
Cost Savings:	\$81,200	
Significant Safety Issues:	None	
Significant QC Issues:	None	
Significant Design Issues:	None	
Significant Material Issues:	None	



Fabrication and installation of new desks.



Installation of new door in concrete wall.

Task Force Minor Projects XD5-500

Project Listing

Excavate drainage ditch along side of motor pool	39
Fabricate and install desks, shelving, and plasma screen stands	47
Rehab office spaces	35
Demo hesco barriers, fabricate and place reinforcing steel	63
Fabricate shelving, desks and map tables	52

Total Mandays Expended **236**



Fabrication and installation of desks and map tables.



Install exterior security lighting



Install interior lighting for warehouse

Camp Maintenance XD5-300

Camp Maintenance Tasking

PMs	0
WRs	797
SJs	0
Projects	0

Total Mandays Expended **797**



Fabrication and installation of secure storage area.

DET NORTH CENTCOM – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Total	%Total
Direct Labor MDs	358	811	749	604	680	659	612	4473	92%
Indirect Labor MDs	0	16	28	41	25	24	0	134	3%
Readiness/Training	24	53	42	39	42	39	33	272	6%
Total MDs Exp	382	880	819	684	747	722	645	4879	100%
# Total Personnel	33	34	34	33	33	32	45	N/A	
# Direct Labor	29	29	28	27	27	26	35	N/A	
# Workdays	12	25	26	25	27	25	22	162	
% Direct Labor	88%	85%	82%	82%	82%	81%	78%	83%	
Ideal Capability	392	816	819	759	820	731	866	5233	
Availability Factor	98%	106%	97%	85%	88%	95%	74%	92%	

Detail Fallujah Executive Summary

NMCB FIVE responded to a last minute Request For Forces (RFF) and sent 58 personnel OPCON to NMCB ONE. NMCB ONE in turn dispersed the NMCB FIVE personnel to multiple locations throughout Iraq to include Fallujah and Kalsu. The primary location was Forward Operating Base (FOB) Kalsu where 40 personnel supported NMCB ONE with camp maintenance and minor project work. From there NMCB FIVE personnel were regularly displaced to outposts in support of various customers. In Fallujah, the detail was tasked to provide a 15-Seabee camp maintenance group to assist the Camp Mayor in maintaining the critical facilities. In addition, the senior E-6 remaining at Camp Fallujah was immediately farmed out to the 30th NCR Material Liaison Office.

While en route to FOB Kalsu, the convoy carrying NMCB FIVE personnel was attacked by an IED, resulting in two Seabees WIA. No corpsman was present in the vehicle with the wounded Seabees, but a trained combat lifesaver was present who quickly assessed the injuries, treated them in priority order, and mitigated what could have been life-threatening injuries. Both wounded Seabees were recently awarded the Purple Heart and the Seabee who provided the Combat Lifesaver support was awarded a Navy and Marine Corps Achievement Medal with Combat "V".

DET FALLUJAH – LABOR DISTRIBUTION SUMMARY

	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Total	%Total
Direct Labor MDs	599	1201	1276	1204	1050	987	267	6584	94%
Indirect Labor MDs	12	11	15	9	16	17	23	103	1%
Readiness/Training	23	52	79	25	56	52	22	309	4%
Total MDs Exp	634	1264	1370	1238	1122	1056	312	6996	100%
# Total Personnel	57	55	55	55	45	45	45	N/A	
# Direct Labor	52	50	50	50	40	40	40	N/A	
# Workdays	12	25	26	25	27	25	7	147	
% Direct Labor	91%	91%	91%	91%	89%	89%	89%	90%	
Ideal Capability	702	1406	1463	1406	1215	1125	315	7607	
Availability Factor	89%	89%	93%	87%	91%	92%	92%	90%	

Individual Augment Executive Summary

Operation Iraqi Freedom, and other world situations, led to 15 requests for Individual Augments (IA) from NMCB FIVE. These IAs were deployed throughout South West Asia and Djibouti, Africa, serving three different customers: CENTCOM, JTF-HOA, and MSTCI. The Seabees were requested because of their construction skills and backgrounds in Seabee Combat Warfare and the Seabees from NMCB FIVE performed flawlessly.

In South West Asia, there were 14 personnel performing a variety of duties from Quality Control/Quality Assurance, Contract Writing, Pay Agent, Convoy Movement Control, Base Force Protection, and general maintenance and construction. These personnel were located at eight different locations throughout the AOR and ranged in pay grade from E-4 to E-6.

Based in Djibouti, and traveling throughout the Horn of Africa, BUC(SCW) Boyanton developed scopes of work for future Seabee tasking, developed and wrote contracts, and provided oversight of the Quality Assurance program for on going work in the AOR

The NMCB FIVE Supply Department made great strides during the recent 2005 Guam deployment. With the motto "Seabee Supply - Can Do, For You!", Team Supply hit the deck running upon arrival and scored big with astonishing results from the Logistics Management Assist Visit (LMAV) and the Navy Food Management Team (NFMT) Food Service Inspection. Both reviews recorded maximum scores, deeming the overall Supply Department as a Blue "E" Naval Construction Force Operation. Additionally, independent SK's were assigned to various Details around the world including Southwest Asia (Camp Moreell, Kuwait and Logistic Support Area Anaconda, Iraq), Hawaii and San Diego.

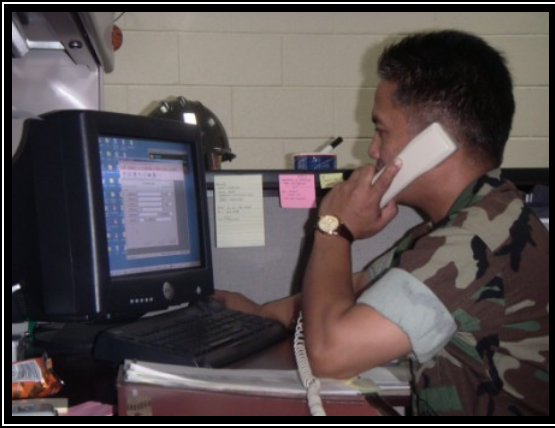
Throughout the deployment, the NMCB FIVE Supply Department encountered and addressed funding, repair parts, prime vendor and other logistical and contractual tasking with overwhelming positive results. Displaying tenacious initiative and desire, the Stores Financial & Expediting Branch budgeted and programmed \$2.5M over two fiscal years while the Food Service Financial Branch transacted obligations of \$900K towards provisions. The Post Office delivered a flawless performance by ensuring the expeditious movement of packages and parcels in record times, and recorded revenues of over \$21K. The Disbursing Office released record pay amounts in excess of \$15M for deployment pay, per diem and various allowances without a single discrepancy. Travel (ATOS) contributed to the success of the department by obligating \$1.5M in travel funds for Cost-of-War airfare and transatlantic flights to mission essential battalion locations. Finally, MLO rounded out the highly recognized departmental accomplishments by superbly managing over \$6.8M in tool, material and project funds.

The Automotive Repair Parts (ARP) Division performed admirably during the deployment by revamping an outdated and dysfunctional COSAL and reestablishing the reorder review / global reorder process. ARP program maintained above NAVSUP standards by reordering current specified repair parts valued at over \$1.4M. Concurrently, they also conducted a major MTIS offload of obsolete repair parts valued at \$100K, which was a substantial credit to the TYCOM. The Contract Management section of Supply committed and monitored seven purchase order contracts and worked closely with FISC COMNAVMAR to obligate \$300K on contracts for CESE repairs and preservation. A comprehensive team of SK's successfully loaded out DFT Carat in record time and provided all required supplies, material and tools, greatly contributing to a successful major exercise.

The battalion's CESE management program on Camp Covington, Guam maintained an average availability of 87%. In June, Alfa Company received 52 pieces of CESE from DFT Balikpapan, all of which were in substandard condition. This additional equipment increased the number of deadlined CESE from 16 to 25 pieces. The hard work and perseverance of the construction mechanics reduced the deadline pieces to 15 prior to the end of deployment. Even with very junior personnel, Alfa Company overcame numerous obstacles and their "CAN DO" spirit made the deployment highly productive. The "Alfa Dawgs" continued to master the 3M system and provided the operational support required to exceed all tasking.

FINANCIAL OUTLET

Supply's Financial Management team was instrumental to all facets of supply support for the entire Battalion, enabling them to complete their tasks efficiently and on time. Meticulous management of the government credit card program consisting of 6 Camp Covington accounts and 1 Homeport account was utilized for 750 discrete purchases valued in excess of \$175,000. SKs took the lead on financials, maintaining an OPTAR of over a \$2M, transmitting 7 Budget OPTAR Reports and 97 Monthly Filled Order Expenditure Difference Listing transmittals, 587 line item requisitions and 259 receipts. In addition, the SKs completed and closed all prior fiscal years continuing services and meticulously maintained nine Continuing Service contracts for Camp Covington. They were instrumental in processing 23 Not Operationally Ready Supply (NORS) and four Anticipated NORS requisitions valued in excess of \$50K. ATOS Managers were responsible for generating in excess of 2,000 travel orders for the battalion and augment reserve personnel resulting in \$1,172,000 of travel related expenses.

**AUTOMOTIVE REPAIR PARTS**

The Automotive Repair Parts (ARP) Storekeepers created a highly functional outlet, processing 1,430 issues, 2,185 reorders for stock and 1,635 direct turnover requirements to support Alfa Company. Furthermore, they conducted a 10,500 line item wall-to-wall inventory identifying 271 line items valued at \$36,358 for MTIS and 70 line items valued at \$33,339 for DRMO. The meticulous management of the ARP warehouse resulted in an inventory accuracy of 98% and an excellent score during the 2005 Logistics and Financial Management Assessment.



782 INFANTRY GEAR / CBR WAREHOUSE

NMCB FIVE expertly maintained the 782 Gear and CBR Warehouses which provided the full compliment of mission essential infantry gear to support NMCB FIVE Seabees. Each piece of gear was accurately documented on the stock record card and a 782-gear issue form was maintained in for each individual. This meticulous documentation and attention to detail was validated during a wall-to-wall inventory which resulted in a 98% inventory and earned many praises from the Logistics Management Assessment (LMA) team as being one of the best warehouses they have seen.

**MATERIAL LIAISON OFFICE**

The MLO team maintained accountability of over 3,000 project material line items valued at \$2 million for 9 battalion projects. MLO utilized SAIC prime vendor for seven additional projects keeping them supplied with necessary materials. Significant improvements were made to the warehouse, storage yard and HAZMAT storage building greatly increasing the efficiency of the MLO facilities while contributing to the team's success. Their hard work directly resulted in the MLO Department receiving an outstanding review from the 30th NCR during the Logistics Management Assessment conducted in August 2005.

CENTRAL TOOL ROOM

The Central Tool Room (CTR) staff provided tool and equipment support to projects in Guam and the Philippines. Thorough attention to detail was instrumental to the teams success resulting in rave reviews by the 30th NCR during the August 2005 Logistics Management Assessment. The augment tools increased productivity by providing projects with specific mission essential items while the 142 tool kits supported all project sites. Tool kit condition was greatly enhanced by replacing all unserviceable tools.

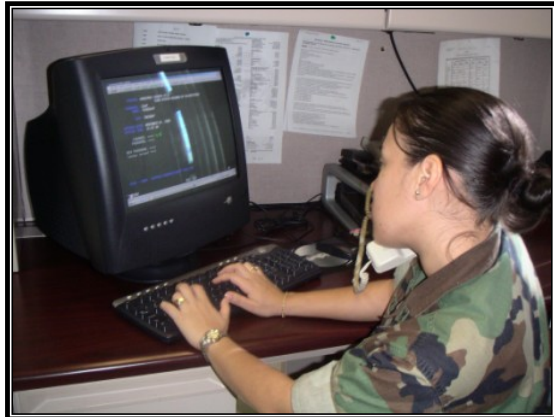
FOOD SERVICE

The Food Service Division made significant improvements to the Galley, Chief's Mess and Wardroom operations, preparing and providing over 135,000 high quality meals at an average food cost of \$4,151. Over the course of the deployment, they expertly maintained a \$120,000 inventory and implemented strict accountability of all food stores with a 100% inventory validity. Working side by side with the companies and Camp Czar, numerous existing facility discrepancies were resolved, increasing the material condition of the galley. In addition to physical improvements, the NMCB FIVE Food Service Team distinguished itself by providing special meals and/or ceremonial cakes on numerous occasions such as the NMCB FIVE, COMNAVMAR and COMNAVFAC MARIANAS Change of Command ceremonies; official visits by former CNO ADM Vern Clark and COMNAVFAC PACIFIC RADM Engle and over 1,500 birthday meals and re-enlistments. The Food Service Division also distinguished itself during the Logistics Management Assessment (LMA) inspection with an overall score of "Outstanding", the highest score possible. Several members of the Food Service Team received accolades for a job well done by the Navy Food Management Team.



DISBURSING OFFICE

The Disbursing Office provided exemplary service to all troops at both the Mainbody site and the various Detail sites that spanned the globe. The Disbursing operation managed a monthly payroll of \$1.5 million and processed over 2,500 travel claims, advances and per diem payments valued in excess of \$500,000. In addition, the Disbursing team verified, processed and audited over 14,500 military pay and allowance documents to ensure all transactions were posted accurately and on time before paydays. Disbursing received an overall grade of "Excellent" on the LMA inspection with no major or minor discrepancies noted.



BARBERSHOP

Supply Department's Barbershop provided over 1,300 quality haircuts throughout the deployment saving personnel \$8,000 in disposable income. Service hours were adjusted to support Battalion operations standards. In addition, the barbershop received an overall grade of "Excellent" on the LMA inspection with no major or minor discrepancies noted.

POST OFFICE

The Postal operation performed exceptionally well during the 2005 deployment to Camp Covington, Guam. The operation received a grade of "Excellent" on the LMA and flawlessly maintained 100% accountability of stamp and cash stock. The Postal Clerk accurately received and dispatched over 17,500 pounds of mail for mainbody personnel and ensured accurate routing of mail to the various detachments. The additional \$9,000 of stamp and money order business positively impacted Battalion morale.

EQUIPMENT

NMCB FIVE arrived at Camp Covington in April 2005 and the BEEP between NMCB FIVE and NMCB SEVEN immediately commenced. Inspection of 333 pieces of CESE was completed during this time. 121 pieces of CESE were in the motor pool, 188 pieces of CESE were in live storage, 52 pieces of CESE were in Balikpapan, PI and 24 pieces were awaiting disposition. At the conclusion of the BEEP, 16 pieces were on deadline and the "Professionals" took charge with 89% of equipment availability. Of the CESE on board, 261 pieces were in A4 condition, 91 in A5, 29 in F7, and 4 pieces in F9.



The CESE that was returned from Balikpapan was in worse shape than anticipated, which resulted in more pieces being placed on deadline status and the request for replacement CESE was submitted to the 30th NCR. Throughout the deployment, Alfa Company shipped 17 pieces off the island, 11 pieces are pending disposition and 11 are pending shipment. Guam personnel logged 25,938 miles and obtained 1,599 hours on the construction equipment.



The paint and preservation shop completed important corrosion control measures and improved the equipment that has been subject to the harsh environment on Guam. They painted five pieces of CESE, which bolstered their appearance and extended the life of the CESE. In addition, they contracted the painting and preservation of 3 pieces of CESE to a local vendor.

The crane crew performed a crane audit with the Navy Crane Center (NCC) early in deployment and it was a valuable lesson learned for the new and inexperienced crane crew. The crane crew performed certifications on two 40T hydraulic cranes and a walk-through certification of the 50T crawler crane.

During the 30NCR Management Assist Visit (MAV), minor discrepancies were found and many were corrected by the completion of the visit. Alfa Company worked extremely hard to correct all findings while continuing their day to day effort of reducing the deadline and raising equipment availability. Throughout the deployment Alfa Company filled manning requirements for all the detail sites to include support for Operation Iraqi Freedom III and Operation Enduring Freedom.



MAINBODY GUAM

Equipment Population

Vehicles	BEEP	APR	MAY	JUN	JUL	AUG	SEP	OCT	BEEP
In Service	197	200	173	175	185	186	158	173	203
In Preservation	188	184	195	195	188	189	208	195	184
Total	385	384	368	374	373	375	366	368	387

PM & Interim Repair ERO Summary

Month	Repairs	Type A	Type B	Type C	Total Checks	RAR
APR 05	3M	3M	3M	3M	352	99
MAY 05	3M	3M	3M	3M	821	99
JUN 05	3M	3M	3M	3M	489	98
JUL 05	3M	3M	3M	3M	809	98
AUG 05	3M	3M	3M	3M	1131	97
SEP 05	3M	3M	3M	3M	1043	98
OCT 05	3M	3M	3M	3M	809	98
Total					5454	98



SUPPLY / LOGISTICS / EQUIPMENT

Equipment Availability Status

Vehicles	BEEP	APR	MAY	JUN	JUL	AUG	SEP	OCT	BEEP
On Deadline	16	19	19	25	15	9	16	15	7
Auto	4	7	2	4	8	0	0	0	0
Construction	11	12	14	19	7	9	16	15	7
MHE	1	0	4	2	0	0	0	0	0
Total	385	384	368	374	373	375	366	373	373
Total in service	368	365	349	349	358	366	350	358	366
% Availability	89	82	85	87	89	98	96	97	98

DETAIL WHIDBEY ISLAND

Equipment Population

Vehicles	BEEP	APR	MAY	JUN	JUL	AUG	SEP	OCT	BEEP
In Service	23	23	23	23	23	23	23	23	23
In Preservation	0	0	0	0	0	0	0	0	0
Total	23	23	23	23	23	23	23	23	23

PM & Interim Repair ERO Summary

Month	Repair	Type A	Type B	Type C	Total	PM: INT
April	1	2	1	0	4	3:1
May	5	9	4	0	18	2:1
June	4	6	4	1	5	3:1
July	2	8	0	2	12	5:1
August	0	9	1	0	10	9:1
September	2	10	3	1	16	7:1
October	0	9	1	0	10	9:1
Total	14	53	14	4	75	5:1

Equipment Availability Status

Vehicles	BEEP	APR	MAY	JUN	JUL	AUG	SEP	OCT	BEEP
On Deadline	1	1	1	1	1	0	1	1	0
Auto	0	0	0	0	0	0	0	0	0
Construction	1	1	1	1	1	0	1	1	0
MHE	0	0	0	0	0	0	0	0	0
Total	23	23	23	23	23	23	23	23	23
Total in service	22	22	22	22	22	23	22	22	23
% Availability	96	96	96	96	96	96	96	96	96



DETAIL BAHRAIN

Equipment Population

Vehicles	BEEP	APR	MAY	JUN	JUL	AUG	SEP	OCT	BEEP
In Service	67	67	67	67	67	67	67	67	67
In Preservation	0	0	0	0	0	0	0	0	0
Total	67	67	67	67	67	67	67	67	67

PM & Interim Repair ERO Summary

Month	Repair	Type A	Type B	Type C	Total	RAR
April	3M	3M	3M	3M	9	100
May	3M	3M	3M	3M	4	100
June	3M	3M	3M	3M	4	100
July	3M	3M	3M	3M	0	100
August	3M	3M	3M	3M	13	100
September	3M	3M	3M	3M	15	100
October	3M	3M	3M	3M	11	100
Total					56	100

Equipment Availability Status

Vehicles	BEEP	APR	MAY	JUN	JUL	AUG	SEP	OCT	BEEP
On Deadline	1	1	1	0	0	0	0	0	0
Auto	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
MHE	0	0	0	0	0	0	0	0	0
Total	67	67	67	67	67	67	67	67	23
Total in service	66	66	66	67	67	67	67	67	23
% Availability	99	99	99	100	100	100	100	100	96

MAINBODY

1. **KEYWORD: SUPPLY**
 - a. ITEM: MATERIAL PROCUREMENT
 - b. DISCUSSION: Material delivery to Guam can take up to three months. Short-fused requirements not locally available would impact construction timelines.
 - c. RECOMMENDATION: Project planning must be very thorough in order to account for all materials.

2. **KEYWORD: SUPPLY**
 - a. ITEM: CTR MECHANIC SHOP HISTORY JACKETS.
 - b. DISCUSSION: CTR history jackets were not being maintained by previous Battalions and were re-established from scratch.
 - c. RECOMMENDATION: Maintain master history jacket for each tool in CTR and secondary jacket with kit custodian. Ensure all contain master inventory, inventory sheets, 1250's, DD139's and DD200's.

3. **KEYWORD: MEDICAL**
 - a. ITEM: DEPLOYMENT MEDICAL RECORDS
 - b. DISCUSSION: Medical department prepared "shadow" deployment medical records for members deploying to CENTCOM contingency areas and maintained the permanent record with the mainbody to ensure accountability. Some records were prepared very quickly due to operational shifts in Detail manning. Permanent record was required for MEDIVAC's.
 - c. RECOMMENDATION: Create deployment medical records for personnel assigned to contingency Details. Ensure records are created as early as possible and ensure means is available to FEDEX permanent record if required.

4. **KEYWORD: MEDICAL**
 - a. ITEM: CORPSMAN MANNING
 - b. DISCUSSION: Battalion medical staffing was at M+1 manning this deployment, but it was not enough due to the number of Detail sites supported. Certain sites in Iraq lacked an organic corpsman and received support from local MTFs. The main body site had difficulty supporting the medical requirements for the Battalion.
 - c. RECOMMENDATION: Increase Battalion manning by 1 IDC and 3 general duty corpsman to support current operational requirements.

5. **KEYWORD: MEDICAL**
 - a. ITEM: CAT PALAU PEDIATRICS
 - b. DISCUSSION: Ten percent of 1,000 patients seen by the CAT Palau IDC were children less than a year old. Most had respiratory infections or minor dermatological complaints. IDC's are not trained in pediatrics and the application of adult medical concepts and approaches to children can be dangerously incorrect. Air Force and Army CAT's routinely bring mid-level medical practitioners (Nurse Practitioners or Physicians' Assistants) that have pediatrics training.
 - c. RECOMMENDATION: Provide additional training to the assigned IDC prior to deployment to ensure proper child care is rendered.

DETAILS

1. **KEYWORD: LOGISTICS**
 - a. ITEM: TOOL KITS
 - b. DISCUSSION: Some Detail sites were co-located with a CBMU Detachment and were required to utilize CBMU toolkits and equipment. Delays in construction were caused due to shortfall in equipment or tool kits.
 - c. RECOMMENDATION: Augment CBMU Detachments with additional tools and equipment at Battalion Detail locations.

2. **KEYWORD: OPERATIONS**
 - a. ITEM: COMMUNICATION DIFFICULTIES
 - b. DISCUSSION: Internet and DSN phones were primary means of communication between many Details, adjacent units, and higher headquarters. Internet outages were regular occurrences and involved software, hardware, and infrastructure problems. DSN lines were limited at most units and had regular outages.
 - c. RECOMMENDATION: Improve the number of DSN lines and amount of connectivity at main Detail sites.

3. **KEYWORD: OPERATIONS**
 - a. ITEM: MATERIAL QUALITY
 - b. DISCUSSION: Locally procured materials were difficult to work with and increased construction timelines. Specifically, concrete varied in quality and was difficult to finish. Lumber was warped and inferior quality. CMU block was not square/plumb, and required the center to be punched.
 - c. RECOMMENDATION: Account for material challenges and set realistic timelines for project completions. Procure critical materials in CONUS and ship to Detail sites.

3. **KEYWORD: OPERATIONS**
 - a. ITEM: MATERIAL PROCUREMENT
 - b. DISCUSSION: Certain tasking required materials from outside the area or was procured through a local contractor from other countries. Significant material delays impacted projects schedules. Materials received from third countries were often not in English resulting in inaccurate inventories. K-span structures utilized heavy equipment which had limited availability and poor operational reliability.
 - c. RECOMMENDATION: Encourage use of facility types readily available. "Sprung" fabric structures were easily constructed, contained all tools required to construct and included specific installation instructions.

4. **KEYWORD: SUPPLY**
 - a. ITEM: NAVY UNIFORM ITEMS
 - b. DISCUSSION: Navy presence in Southwest Asia is minimal relative to the other Armed Services. AAFES did not carry U.S. Navy uniform items at most bases. It was very difficult for Seabees to purchase Navy patches, nametapes, or PT uniforms.
 - c. RECOMMENDATION: Every unit deployed to SWA should bring an augment of Navy uniform items to ensure personnel are able to maintain uniforms in accordance with the Uniform Regulations.

5. **KEYWORD: ALFA COMPANY**
 - a. ITEM: CESE SUPPORT
 - b. DISCUSSION: CESE was limited at some Detail sites requiring heavy equipment needs to be contracted. \$500,000 was spent on equipment rentals at one location.
 - c. RECOMMENDATION: Determining future tasking well in advance would facilitate moving CESE to required locations.

INDIVIDUAL AUGMENTS

1. **KEYWORD: ADMINISTRATION**
 - a. ITEM: SKILLED LABOR LOSS
 - b. DISCUSSION: The Battalion was tasked to provide twenty-one Seabees to other units as Individual Augments. Loss reduced operational capabilities of Battalion and resulted in organizational shifts immediately prior to deployment.
 - c. RECOMMENDATION: Be prepared to provide individual augments as needed per guidance from higher headquarters.

2. **KEYWORD: OPERATIONS**
 - a. ITEM: COMMAND AND CONTROL DIFFICULTIES
 - b. DISCUSSION: Individual augments were assigned to units worldwide and resulted in lack of command and control of NMCB FIVE Seabees. The specific location and assigned duties of the individual augments were often not known.
 - c. RECOMMENDATION: Implement monthly Situation Report from either the attached unit or individual augment to maintain situational awareness by the Battalion.

3. **KEYWORD: ADMINISTRATION**
 - a. ITEM: COMMUNICATIONS
 - b. DISCUSSION: Difficult command and control of individual augments directly resulted in delays to receipt of evaluations and personal awards.
 - c. RECOMMENDATION: Maintain communication with host unit for each individual augment.

RESERVE INTEGRATION

1. **KEYWORD: OPERATIONS**
 - a. ITEM: RESERVE MOBILIZATION AND HOMEPORT INTEGRATION
 - b. DISCUSSION: Reserve Battalion mobilized a month prior to deployment in Port Hueneme, CA. Active and Reserve Battalions were able to completely integrate in to one unit prior to deployment in hostile areas. This integration allowed Battalion leadership to make key Detail manning decisions prior to arriving in Southwest Asia.
 - c. RECOMMENDATION: Mobilize Reserve Battalions at Active Battalion’s homeport location at least 45 days prior to deployment to ensure adequate integration prior to deployment for contingency operations.

2. **KEYWORD: OPERATIONS**
 - a. ITEM: DETAIL MANNING BY ACTIVE AND RESERVE PERSONNEL
 - b. DISCUSSION: Detail Sites with even distribution of Active and Reserve Seabees performed much better than locations with uneven distribution. Skills from both units were able to be utilized most effectively and “One Team, One Fight” concept permeated throughout all personnel.
 - c. RECOMMENDATION: Maintain even distribution of Active and Reserve personnel at each Detail Site.

3. **KEYWORD: ADMINISTRATION**
 - a. ITEM: RESERVE ADMINISTRATIVE REQUIREMENTS
 - b. DISCUSSION: Reserve personnel are anxious to demobilize as quickly as possible following deployment. Delays in demobilization and potential for Service Record errors were caused if all administrative items were not completed prior to redeployment.
 - c. RECOMMENDATION: All administrative actions need to be completed as early as possible to ensure accurate Service Records and limited delays in demobilization.

4. **KEYWORD: ADMINISTRATION**
 - a. ITEM: CIVILIAN SKILL UTILIZATION
 - b. DISCUSSION: The Battalion received Reserve Battalion’s civilian skill breakdown close to deployment. Specific job assignments could have been selected with greater knowledge of the specific individual skills.
 - c. RECOMMENDATION: Reserve units should maintain civilian skills on all personnel and provide to Active Battalion as early as possible.



UNITED STATES MARINE CORPS
MARINE CORPS BASE
BOX 555010
CAMP PENDLETON, CALIFORNIA 92055-5010

IN REPLY REFER TO:
11000
FACPWD/RG
OCT 19 2005

From: Commanding General
To: Commanding Officer, Naval Mobile Construction Battalion FIVE,
Unit 25294, FPO, AP 96601-4961

Subj: LETTER OF APPRECIATION

1. On behalf of Marine Corps Base, Camp Pendleton, please accept my appreciation for the superb performance in construction support your San Diego detachment provided on the School of Infantry's Combat Town. With extensive technical knowledge, project management skills, and quality control, your Seabees exceeded their tasking and completed construction on four Military Operations in Urban Terrain (MOUT) Facilities, plus additional building pad preparation, roads, and sitework. The leadership that you provided at every level was instrumental in safely completing the task at hand and increasing the training capacity for the School of Infantry.

2. I would also like to express my appreciation for the outstanding construction support that you provided on the Grenade House Facility. Determined and dedicated, your Seabees took ownership of an idle project and completed this crucial training facility for Camp Pendleton Marines. Seabees from NMCB FIVE, Detachment San Diego, not only completed facilities for two major training areas, but also completed discretionary construction for Camp Pendleton, including a contingency style entry control point, range tower, sentry post, and sidewalk for a child development center.

3. It is always a pleasure to recognize exceptional performance, and we appreciate your teamwork and dedication to duty. The professionalism of Seabees who have worked on Camp Pendleton and their positive representation of your command have made a lasting impression. Bravo Zulu Seabees!


MICHAEL R. LEHNERT

Copy to:

Commanding Officer, FIRST Naval Construction Division and Naval
Construction Forces Command, 1310 8th St., Suite 100, Norfolk, VA
23521-2435

Commanding Officer, THIRTIETH Naval Construction Regiment, 258 Makalapa
Dr., Suite 200, Pearl Harbor, HI 96860-3121