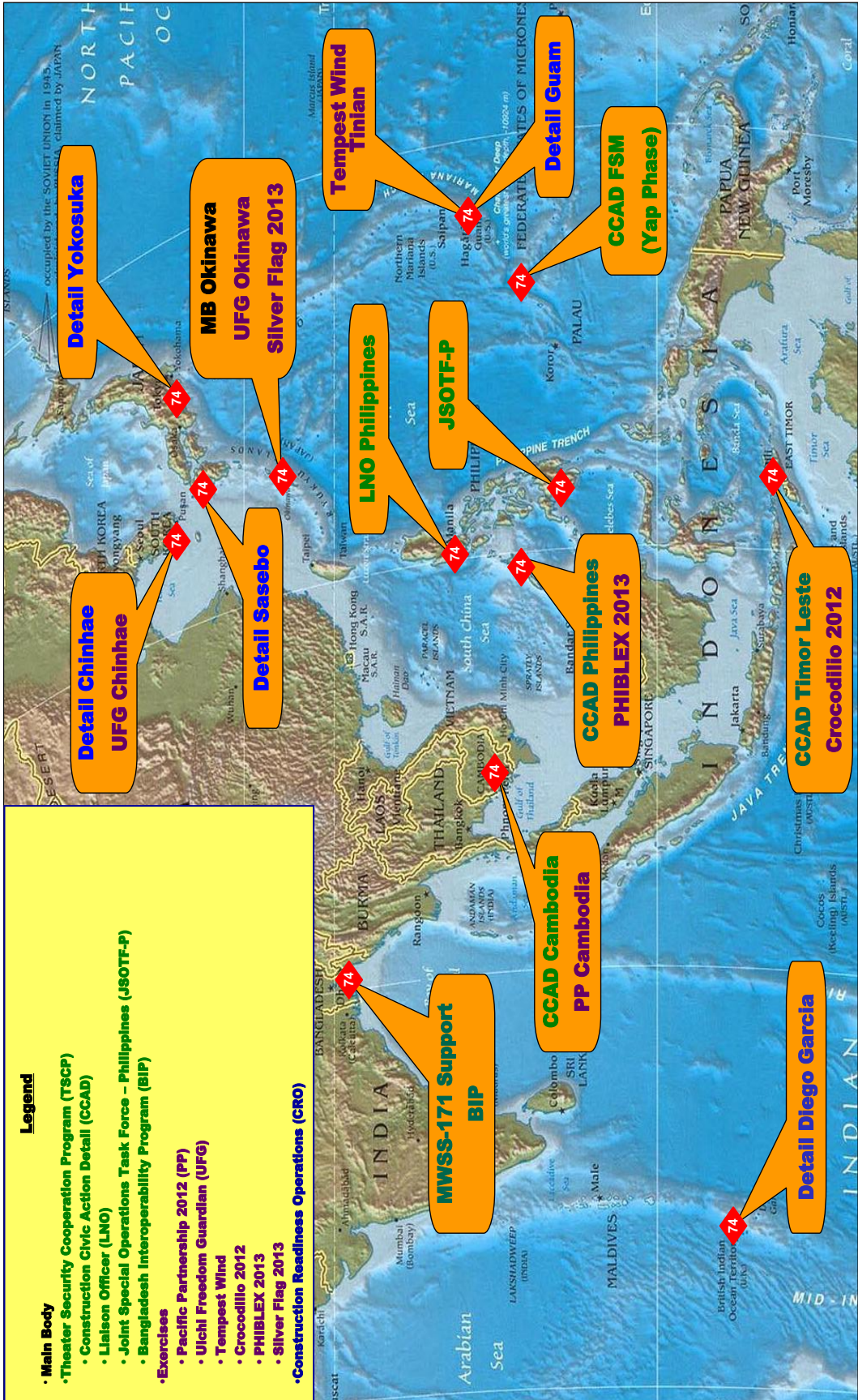




DEPLOYMENT COMPLETION REPORT

JUNE 2012 – JANUARY 2013

CHAPTER	CONTENTS	PAGE
I	EXECUTIVE SUMMARY	4
II	ADMINISTRATION	6
III	COMMUNICATIONS / TRAINING / ARMORY	12
IV	OPERATIONS / SAFETY	16
	EXERCISES & EXERCISE SUPPORT	
	Pacific Partnership 2012, Cambodia	21
	Ulchi Freedom Guardian 2012, Okinawa / South Korea	25
	Bangladesh Interoperability Program, Bangladesh	28
	Exercise Tempest Wind 2012, Tinian	29
	PHIBLEX 2012, Palawan, Philippines	31
	Exercise Crocodilo 2012, Dili, Timor Leste	34
	THEATER SECURITY COOPERATION PROGRAM	
	CCAD Cambodia	36
	Labor Distribution Summary	
	Project Summary Reports	
	CCAD Federated States of Micronesia, Yap	51
	Labor Distribution Summary	
	Project Summary Reports	
	CCAD Philippines	67
	Labor Distribution Summary	
	Project Summary Reports	
	CCAD Timor Leste	75
	Labor Distribution Summary	
	Project Summary Reports	
	JSOTF-Philippines	84
	Labor Distribution Summary	
	Project Summary Reports	
	CONSTRUCTION READINESS OPERATIONS	
	Mainbody, Okinawa, Japan	91
	Labor Distribution Summary	
	Project Summary Reports	
	Detail Chinhae, South Korea	102
	Labor Distribution Summary	
	Project Summary Reports	
	Detail Diego Garcia, British Indian Ocean Territory	110
	Labor Distribution Summary	
	Project Summary Reports	
	Detail Guam, U.S. Territory	120
	Labor Distribution Summary	
	Project Summary Reports	
	Detail Sasebo, Japan	136
	Labor Distribution Summary	
	Project Summary Reports	
	Detail Yokosuka, Japan	144
	Labor Distribution Summary	
	Project Summary Reports	
V	SUPPLY / LOGISTICS / EQUIPMENT	153
APPENDIX I	LESSONS LEARNED	159
APPENDIX II	DEPLOYMENT JOURNAL	178





CHAPTER I

EXECUTIVE SUMMARY



INTRODUCTION

U.S. Naval Mobile Construction Battalion SEVENTY FOUR (FEARLESS 74) completed its last deployment to the Pacific, successfully overcoming numerous command and control difficulties, material quality and delivery challenges, and fiscal restraints, while seamlessly operating in a joint environment. FEARLESS 74 dispersed around the world with fifteen operating locations spanning the Pacific Command (PACOM) Area of Responsibility and seven time zones. Immediate impact was made with Construction Civic Action Detail (CCAD) Cambodia's support of Pacific Partnership 2012, Cambodia, a humanitarian mission focused on improving medical, educational, and public works facilities in impoverished Cambodian villages. CCAD Cambodia was joined in its support of PACOM's Theater Security Cooperation Program (TSCP), the forefront of the DoD's "Pivot to the Pacific" by school renovations in Palawan, Philippines, Timor Leste, and Yap. Construction Readiness Operation Details proved their responsiveness for combatant commander's presence with support to several exercises and short-fused task requests. FEARLESS 74's deliberate approach to fully understanding the strategic objectives for the Department of Defense, Department of State, PACOM, and most importantly the host nations, ensured aligned operations, focused efforts, and maximum responsiveness in key PACOM regions during the 2012 – 2013 deployment, securing the Seabees vital stake in Pacific engineering operations.

ADMINISTRATION

FEARLESS 74 Seabees were supported with a wide variety of personnel, career information, intelligence, ministerial, dental, medical, legal, force protection, drug and alcohol abuse prevention, public affairs, Morale, Welfare and Recreation (MWR), and family support information. The Administrative and Personnel (S1) Department executed all operational requirements, provided full customer support, and maintained peak personnel readiness. Throughout deployment the S1 Department executed 130 Permanent Change of Station (PCS) transfers and separations, 82 gains, 56 re-enlistments, 255 awards, 550 security clearance packages and 1,600 pay and personnel related documents.

COMMUNICATIONS / TRAINING / ARMORY

With an ongoing goal of maintaining current mission readiness levels, preparing for the next deployment, and training better Seabees, FEARLESS 74 completed 5,627 mandays of military, technical, and physical training spread loaded over monthly training days at all detail locations and Military Skills Training Blocks at Camp Shields and Camp Covington. Military training included individual weapon qualifications, combat lifesaver refresher courses, and embarkation planning & procedures.

OPERATIONS / SAFETY

FEARLESS 74 executed construction projects around the Pacific safely and responsively. Through tireless efforts by the entire Battalion, 74 projects were tasked and 57 projects were completed. The command Safety team maintained an aggressive and comprehensive Navy Occupational Safety and Health (NAVOSH) program and focused on Operational Risk Management (ORM). Camp Maintenance teams ensured all facilities were ready for an extremely active 2012 Pacific Typhoon Season at Camp Shields and at Detail sites Pacific wide, Seabees expeditiously responded to critical service needs as required.

SUPPLY / LOGISTICS / EQUIPMENT

FEARLESS 74's Supply, Logistics, Embarkation and Equipment team provided outstanding logistic and supply support to mainbody and Detail sites across the PACOM AOR. Managing nearly \$100M of tools and equipment spread across two full Table of Allowances (TOAs), the department held 100% accountability of 351 TRICONS, 354 tool kits and 33 Automotive Repair Parts (ARP) containers. The department's efforts resulted in an increased ARP demand effectiveness from 50% to 90%. At Camp Covington, the Battalion completed disposal of the legacy TOA through the Defense Reutilization Material Office (DRMO) prior to turn over with the 84th Army Engineering Battalion.



CHAPTER II

ADMINISTRATION



ADMINISTRATIVE AND PERSONNEL DEPARTMENT (S1)

FEARLESS 74's Administrative and Personnel Department, consisting of two Yeoman, two Personnel Specialists, and one Intelligence Specialist at Camp Shields, and one Yeoman at Camp Covington, efficiently maintained all administrative support and personnel related requirements for the entire Battalion. The Mainbody remained in close contact with all Details, providing around the clock customer service and continuous communication with support elements in Gulfport, MS. The Department generated and processed over 1,500 pieces of correspondence and reports and ensured proper handling of emergency and contingency travel requirements. The Department also routed and completed 198 combined Enlisted Evaluations and Officer Fitness Reports and completed 209 award citations.

The Personnel section provided guidance and support to 130 PCS transfers and separations, 82 gains, 575 Transactions Online Processing System (TOPS), and 79 enlisted and 5 officer promotions, while also conducting monthly pay and entitlement audits for the entire Battalion. The Department also provided advancement support to the Battalion by coordinating and administering 333 examinations during the September Navy-Wide Advancement and January Chief's Advancement cycles.

AWARDS & DOCUMENTS PROCESSED

Navy and Marine Corps Commendation Medals ...	1
Navy and Marine Corps Achievement Medals ..	110
Timor Leste Solidarity Medal	24
Meritorious Honor Award (Cambodia)	22
Flag Letters of Commendation	0
Letters of Commendation	41
Letters of Appreciation	3
Good Conduct Awards	54
Seabee Combat Warfare Qualifications	94
Seabee Combat Warfare Re-qualifications	25
Expeditionary Warfare Qualifications	25
No-Cost TAD Orders	90
Official Passport Applications	0
Pay Transactions	1,600
Re-enlistments	56

BATTALION ADVANCEMENT SUMMARY

CPO ADVANCEMENTS JANUARY 2012

Time in Rate Eligible	68
Board Eligible	47
Selected	5
% Selected	10.6%
Navy Wide % Selected	14.8%

ADVANCEMENTS SEPTEMBER 2012

	E4	E5	E6	Total
Time in Rate Eligible	141	83	48	272
Participated	141	83	48	272
Selected	56	17	1	74
% Selected	39.7%	20.4%	2.1%	27.2%
Navy Wide % Selected	46.4%	31.3%	19.4%	32.7%



BATTALION DEPLOYMENT RETENTION STATISTICS

	Eligible	Not Eligible	Re-Enlisted	Re-Enlisted w/ Reserve Affiliation	Re-Enlist Rate	Navy Goals
Zone A (FY12)	68	18	26	10	52.0%	59%
Zone A (FY13)	12	1	6	0	54.5%	59%
Zone B (FY12)	12	1	7	0	63.6%	66%
Zone B (FY13)	4	0	4	0	100.0%	66%
Zone C (FY12)	28	0	12	6	42.9%	72%
Zone C (FY13)	12	1	1	0	9.1%	72%
Total	136	21	56	16	48.7%	-

Note: FY13 Re-enlistment rate is as of 31DEC2012

INTELLIGENCE DEPARTMENT (S2)

FEARLESS 74's Intelligence Department ensured that valuable information concerning the latest potential threats, violent political crises, and weather conditions that could affect operations for the fifteen operating locations was always up to date and available. S2 also provided geospatial intelligence assistance to CCAD Cambodia to accurately locate and map previous and current NMCB projects within the PACOM AOR. Additionally, the Department provided on demand intelligence and updated map products throughout the deployment in support of Battalion tasking. Department's key role was evident in 550 personal security clearances and Isolated Personnel Reports which were expertly tracked, managed and coordinated with investigating agencies.

RELIGIOUS PROGRAMS DEPARTMENT (X1)

FEARLESS 74's Command Religious Ministry Team (RMT) provided for the spiritual and emotional well being of the Battalion's Seabees in the PACOM AOR. On Okinawa, the RMT provided worship services, pastoral counseling, and organized worship. The RMT managed over 11,000 books in the library and oversaw the Battalion's "United through Reading" program, connecting interested deployed Seabees to their children by providing them the means to record themselves reading a book. The RMT provided books to each of the remote Detail sites in order to facilitate their participation in this program.



Supplementing the RMT's efforts were care packages addressed to the Command through a registry at Anysoldier.com which the RMT managed. The Command Religious Program received 56 care Packages and shipped many of these care packages to the remote detail sites that were in need of the personal demand items. The RMT conducted two Detail Swings, providing services and personalized support to the Details in Sasebo, Atsugi, Chinhae, Cambodia and Guam.

RELIGIOUS PROGRAMS DEPARTMENT STATISTICS

Counseling Sessions	132
Care Packages Sent	56
Religious Services Held	51

FEARLESS 74 conducted 31 Community Relations (COMRELS) events while deployed. In Okinawa, the Battalion hung new white boards for Kadena Elementary School prior to the start of fall classes. In October, the Battalion conducted community outreach to the families in the community through the annual Kadena Halloween Trunk or Treat and participated in the 12th annual Kadena Special Olympics, the largest Special Olympics event outside of the United States. The Battalion raised a total of \$1,631 for Special Olympics during the 24-hr Jog-O-Thon, provided setup support prior to the games and 56 "Huggers" for game day.

ADMINISTRATION



In the Philippines, the local detail organized a sports day with the Bacungan National High School to promote an active lifestyle during their fitness/healthy eating month. Additionally, they organized a luncheon with Bahay Ni Nanay Orphanage, benefitting a group of 11 children who were abandoned or abused.

CCAD Timor Leste assessed the electrical systems in a local orphanage and provided repairs to various switches, junction boxes, wiring, receptacles, fans, and lights, improving the safety and quality of life for the orphans. Additionally, CCAD Timor Leste demolished degraded soccer goals and erected two basketball courts and provided two mobile soccer goals for the patients of the Assert Rehabilitation Clinic.



In Cambodia, the water well team and Royal Cambodian Armed Forces (RCAF) Engineer personnel installed four HydrAID BioSand Water Filters, providing practical experience to the RCAF Engineer personnel who participated in the water filtration Subject Matter Expert Exchange (SMEE) during Pacific Partnership 2012. The RCAF Engineers then demonstrated and taught local school officials how to use and care for the filter. Additionally, while supporting Pacific Partnership 2012, CCAD Cambodia constructed six new steel framed beds and delivered them to Prey Sleik Health Center and Kampung Kreng Health Center, providing much needed bedding for the newly constructed health clinics. The Detail also supported a local orphanage and elementary school by sanding, priming, painting and stabilizing school desks, sanding, priming, and painting the playground and evaluating the school's water well.

In Yap, CCAD Federated States of Micronesia provided much needed improvements to the local high school grounds, spreading fill and digging drainage ditches to control run off. Additionally, they conducted a road repair event with help from the local population, improving the only road into the village of Tomil, enhancing the accessibility to and from the village. The Detail continued its community outreach, participating in a sports day with local children and the annual Yap Canoe festival, celebrating the Yapese culture.

Detail Chinhae provided support to the local community through three planned COMRELS. They provided a static display for a career day event held on base, introducing local school children to the construction equipment and worked at the local Ai Kwang Won orphanage, providing much needed repairs to the facility. Additionally, they provided support to the MWR Holiday Cirques show, helping with the erection and tear down of the set as well as providing a limited security detail.

In Diego Garcia, the detail supported a British research team and the base environmental team with a sea turtle study and rescue mission, providing personnel to help measure, tag and count the endangered sea turtles. The commitment to the island inhabitants continued with the Detail's support of the MWR Sand Castle Competition. FEARLESS provided three judges and a nine person team to compete in the relay race event.



Detail Guam supported Naval Base Guam and the local community by participating in five different COMRELS. Detail personnel helped with church cleanup and holiday celebrations at two distinct events, ensuring local citizens enjoyed the time spent with their families. The First Class Petty Officer's Association coordinated an event in support of the Red Ribbon Campaign Drug Prevention Week and the Detail provided both support and participants to the Naval Base Guam Triathlon, ensuring a smooth, well run event took place. Two FEARLESS Seabees also volunteered to plan and estimate a quarterdeck trophy case for the local ROTC.



Both Detail Sasebo and Detail Yokosuka focused on community relations at their respective sites in Japan. Detail Sasebo hosted Boy Scout Troop 76 from the Far East Council on their project site, introducing the young boys to the planning and estimating, construction activities and project management, enabling the troops to earn the Engineering merit badge. Detail Yokosuka supported the Coalition of Sailors against Destructive Decisions by providing personnel to feed the homeless on five different occasions, demonstrating FEARLESS 74's commitment to the community and nation of Japan.

DENTAL DEPARTMENT (X2)

FEARLESS 74's Dental Department coordinated care for the Battalion theater-wide. During the deployment, 380 patients were seen including 364 annual exams, 144 cleanings, 138 operative procedures, and 9 emergency cases. In Okinawa, the Battalion provided a variety of oral surgery, endodontic, restorative and periodontal care with support from the 3rd Dental Battalion on Camp Foster and Naval Hospital Okinawa. The detail sites with access to clinics received dental exams, operative care and emergency care. In Guam, X2 was supported by the Navy dental clinic and auxiliary services from civilians at Naval Hospital Guam. Construction Readiness Operation details in Chinhae, Diego Garcia, Sasebo, and Yokosuka received dental care via local Navy clinics. TSCP Detail site dental care was front-loaded before deployment to compensate for the lack of any Department of Defense provided dental support.

MEDICAL DEPARTMENT (X4)

FEARLESS 74's Medical Department met the challenge of supporting Battalion operations at Camp Shields and the various detail sites around the PACOM AOR. The Medical Department successfully maintained Medical Readiness providing immunizations for all Battalion personnel except for three Detail sites, oversight of the Direct Observation Therapy program, Physical Health Assessments (PHA) in the clinic and access to audiograms and required HIV testing at Naval Hospital Okinawa, Kadena Medical Clinic and various DOD branch clinics. Individual medical readiness was tracked monthly at Camp Shields and Camp Covington, with delinquencies communicated to company/detail leadership. The medical department was astonishingly able to sustain medical readiness in the high 97th percentile every month of deployment. These high readiness numbers have primed the Battalion for success during homeport.

At Camp Shields, the Medical Officer provided care, with the support of five Hospital Corpsman (two HNs, one HM3 and two HM2s), at the Battalion Aid Station (BAS). Sick call was conducted daily for injuries and illnesses requiring routine care, appointments were held in the afternoons. Emergent medical issues were screened at the BAS then, as required, transported to United States Naval Hospital Okinawa (USNH). Laboratory and radiology exams were performed at the Air Force 18th Medical Group on Kadena Air Base and USNH Okinawa on Camp Lester. Two mental health providers from USNH Okinawa augmented the Battalion's medical staff every other Friday, providing invaluable mental health care to Battalion personnel.



At Camp Covington, our Senior Chief Corpsman (HMCS), an Independent Duty Corpsman (IDC), delivered routine and emergent care with the support of three Hospital Corpsman (one HM3, one HM2, and one HM1) at the BAS. While the HMCS (IDC) was forward deployed from August to November, the HM1 coordinated care through Memorandums of Understanding (MOUs) with the local Navy Hospital and Clinic. The Camp Covington Clinic was stocked with over-the-counter medications and was equipped to handle minor surgical procedures and immunizations.

Given the availability of local medical clinics, and the limited number of FEARLESS 74 Hospital Corpsman, CRO details in Chinhae, Diego Garcia, Sasebo, and Yokosuka were provided medical care via local Navy clinics. The Battalion supported TSCP details with one HM1 (IDC) at CCAD

ADMINISTRATION



Cambodia, one HM1 (IDC) at CCAD Timor Leste and one HM2 at CCAD Philippines. Each corpsman provided medical care to detail members and coordinated primarily with Echelon 2 and 3 care through the International SOS (ISOS), with the exception of Timor Leste which had access to an Australian clinic capable of providing these levels of care. Our HMCS (IDC) pushed forward from Guam to CCAD Federated States of Micronesia (FSM) from August to November 2012 and in addition to providing detail members medical care, he headed a Medical Civic Action Project (MEDCAP) in FSM, providing immunization and preventive medicine clinics to local residents.

FEARLESS 74 also provided one HN assigned ISO Exercise Ulchi Freedom Guardian 2012 (UFG 12) for water sanitation and testing; along with full medical department support and involvement in the Camp Shields' embarkation exercise in September 2012 and the Camp Shields and Camp Covington military training blocks in October 2012.

NMCB 74 IN-HOUSE MEDICAL PROVIDER METRICS

	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	Total
Total Seen at BAS	1	78	72	67	64	78	88	12	460
SIQ	0	10	6	12	20	10	61	0	119
Immunization	0	6	207	15	1	6	8	5	248
MEDEVAC's	0	0	0	0	0	0	1	0	1

PUBLIC AFFAIRS

The FEARLESS 74 Public Affairs Department told the story of FEARLESS 74 as a Global Force for Good in the PACOM AOR through high quality photography, professionally written news articles and feature stories, and the effective use of social media. Their efforts highlighted NMCB 74's ability to Operate Forward throughout USPACOM and remain ready and capable of supporting Navy and Joint Forces any place, any time.



A total of 14 feature articles and 52 photos were distributed to national DoD and civilian media outlets. 872 photos were added to FEARLESS 74's very popular command Facebook page providing invaluable support for Battalion and family morale. The greatly anticipated deployment cruisebook looks outstanding with original designs throughout, developed by Public Affairs and special assistants.

The dedicated work of Public Affairs created a lasting record of FEARLESS 74 Seabees as they enhanced the Seabee legacy and supported national security strategy by building lasting relationships with host nations, paving the way for future partnerships.



CHAPTER III

COMMUNICATIONS / TRAINING / ARMORY

**COMMUNICATIONS DEPARTMENT (S6)**

FEARLESS 74's communications department deployed four Seabees to Camp Covington and five to Camp Shields. The department's efforts included the replacement of various TOA assets, software upgrades to Controlled Cryptographic Items (CCI) firmware, established MOA with Naval Computer Telecommunications Station (NCTS) for real time receipt of Electronic Key Management System (EKMS), and coordination with Space and Naval Warfare (SPAWAR) for the installation of video telecommunications conference (VTC) technologies in the Camp Shields command conference room. The department also conducted reoccurring training to maintain technical skills and readiness.



Between the Camp Shields and Camp Covington based TOAs, the S6 department was responsible for over 2,900 pieces of communications equipment valued at \$11M. The department updated \$95K of test equipment, 52 AN/PRC-152s, 200 XTS-5000s, 104 AN/PRC-119, 30 AN/VRC-90s, 14 AN/PRC-150s and 12 AN/PRC-117s. They performed upgrades on 24 data transfer devices and returned the RDSAT terminals at both locations to fully operational status, utilizing only \$7K in repair parts, vice the \$30K of previously ordered parts. FEARLESS 74 provided qualified technicians, RDSAT and tactical communication

equipment in support of UFG 12, enabling 1NCD to complete the annual exercise.

The MOA with NCTS EKMS managers resulted in 12 PYQs receiving required fireware upgrades that will allow for receipt of NCTS EKMS keys from the 31st SRG and/or NCTS Okinawa. EKMS keys were critical in establishing a HF voice/data circuit between Camp Shields and Camp Covington and enabled FEARLESS 74 to test operator's capability and the functionality and operability of communications equipment.

Working with SPAWAR systems command contractors, S6 technical expertise and manpower was critical in the installation of VTC technologies in Camp Shields' command conference room. Upon installation of VTC technologies, S6 coordinated and successfully operationally tested VTCs with Guam and Camp David, supporting day to day operations, interviews and ranking boards. At Camp Covington, the department coordinated the smooth Overseas Navy Enterprise Network (ONE-NET) and NCTS transition between the existing command building and the previous Detail Civic Action Team (Det CAT) spaces.

Prior to deployment, the department initiated the creation of 125 accounts for key leadership in the ONE-NET, facilitating an efficient Battalion turnover. In total, the Department created 345 ONE-NET accounts and resolved 115 trouble calls. Additionally, the S6 team ensured ONE-NET Blackberry™ cell-phones for the CO, CMDCM, and S3 were properly configured to support command and control during their detail swings.

TRAINING DEPARTMENT (S7)

FEARLESS 74 conducted over 5,627 mandays of dedicated training during the course of the 2012 – 2013 PACOM deployment. A well balanced approach to technical, specialty organization and military training proved to be successful as the battalion maintained a composite attainment above 80% for its 3502.2 requirements. In addition to the overall sustainment of mission readiness, the training was also a valuable component of the overall team effort, ensuring the FEARLESS Seabees enhanced their professional toolboxes for future assignments.

**TECHNICAL TRAINING**

The S7 department actively tracked the attainment degradation caused by shelf-life expiration and transfer of key personnel from the command. The wide scope of projects of the PACOM deployment enabled greater opportunity for skill achievement through the Training Skills Assessment Program.



After a thorough P&E effort, the battalion set a goal to obtain 225 technical skills across 21 projects at 15 specific sites. The goal was not only achieved, but surpassed by 148 skills as the Battalion reached an achievement total of 373 technical skills through TSAP. These skills not only contributed to the completion of our critical construction projects, but also increased the rate-specific attainment by more than 28%. Additionally, FEARLESS 74 increased Maintenance and Material Management (3M) 301 qualifications from 56% in July 2012 to 79% in December 2012.

EMBARKATION AND COMMUNICATION ORGANIZATION TRAINING

With the Battalion strength spread across fifteen separate locations supporting 21 distinct missions, the training department organized a training curriculum to ensure each site had mission critical support for each specialty organization. Not only was this training a tremendous factor in the successful completion of the UFG 12 exercise, the Embark exercise and the Communications exercises, it was also essential to ensure that the site specific organizations could successfully complete their daily mission requirements.

GENERAL MILITARY TRAINING (GMT)

The Battalion optimized training days to conduct a balanced effort between Military and Technical Skills training as well as GMT. GMT was conducted in accordance with the FY13 GMT topic list to include curriculum such as Drug and Alcohol Awareness, Equal Opportunity & Grievance Procedures, Suicide Awareness and Operational Stress Control. A major emphasis was also placed on the Sexual Assault and Sexual Harassment topics through the completion of both the SAPR-L and SAPR-F training topics as mobile training teams were sent to all of the deployed sites. As a result of this focused effort, the Battalion returned to homeport with 100% completion of all FY13 GMT's and required SAPR training for its deployed personnel.

SEABEE COMBAT WARFARE (SCW) TRAINING

Despite being gapped in the Military Advisor role, the training department created an aggressive plan to maximize the Military Training Block that took place in October. Through this military training, the Battalion trained on 12 different SCW skills and gained more than 130 weapon qualifications between the Okinawa and Guam. Each detail site also contributed to the military training by developing site-specific military and SCW programs. As a result of this combined effort, the Battalion increased the individual weapon attainment by 15% and the SCW qualification by 33%.



SCW QUALIFICATION REPORT

	Personnel Assigned	Previously Qualified	Qualified on Deployment	Total Qualified
O1 – O5	38	9	10	19
E7 – E9	43	18	10	28
E1 – E6	503	250	74	324
Total	584	277	94	371

COMMAND FITNESS PROGRAM

FEARLESS 74 executed a comprehensive fitness program in order to maximize the physical mission of the Battalion. The command fitness leaders (CFLs) developed training plans specific to their Detail or Company in order to ensure Battalion personnel were prepared for the Cycle 2 2012 Personal Fitness Assessment (PFA) and fit for duty. Detail Cambodia, Detail Philippines and Detail Timor Leste personnel were waived from the Physical Readiness Test due to site limitations but all Battalion personnel completed the Body Composition Assessment. The hard work and dedication of the command CFLs resulted in only 6 PFA failures across the Battalion, a decrease of 27 personnel from



Cycle 1. The Battalion executed the Fitness Enhancement Program (FEP) three times a week, reducing the number of personnel from 33 to 6.

CYCLE 2, 2012 PFA RESULTS

Outstanding	53
Excellent	171
Good	191
Satisfactory	27
BCA Failure	4
Failure	2

MILITARY AND WEAPONS SKILLS TRAINING

Guam and Okinawa were able to conduct weapons ranges that resulted in more than 130 weapons qualifications being attained. Additionally, both sites were trained on Crew Serve weapons familiarization, fighting position construction, and camp security during the Mil-Block Training week.

ARMORY

FEARLESS 74 maintained two full Armory TOA's between the Okinawa and Guam sites. The keen attention to detail by the sites GM's was directly responsible for preparing 840 M-16's and 80 M500's for refreshment and identifying 83 deficiencies within RCRP. The armory also refreshed 24 AMPBS-C's, 12 AMPBS-1E's, and 12 Palm-IR's. The armories at both locations were lauded by 30NCR as exceptionally maintained and ready for immediate deployment. This was evident as the armories supported local sustainment ranges and weapons support to the JSOTF-P detachment site.



FEARLESS 74 Armory at Camp Covington was responsible for maintaining over 2,920 pieces of equipment valued at \$3.4M. In addition, they conducted more than 400 maintenance checks and ordered repair parts for 42 down weapons, returning them to operational status. The NMCB 74 Armory was instrumental in executing successful M16 and M9 live fire ranges conducted at KD Range, Naval Base Guam. Additionally, Armory personnel were responsible for the training of more than 20 Detail Guam personnel in the use and function of the TOA weapons and in the 3M maintenance program.

NMCB 74 TRAINING AMMUNITION UTILIZATION

NALC	TYPE	AMOUNT
AA68	5.56mm SR	7780
A363	9mm M882 Ball	950



CHAPTER IV

OPERATIONS / SAFETY

SAFETY

FEARLESS 74 Safety has established itself as being the front runner in the Occupational Safety and Health Field amidst other NMCB Units. The remarkable success achieved to this date has been generated through an innovative approach of utilizing individual programs to their full potential. After a process is completed, the results or findings of monitoring, inspections, and reporting are systematically dissected and worked in reverse order through Trend Analysis to further unveil additional root causes specific to an incident/mishap. This method assisted FEARLESS 74's Safety Office in not only identifying hazards but providing the critical forward thinking advantage of recognizing the event before it occurs.



Engineering and Administrative Controls, the use of Operational Risk Management (ORM), Mishap Investigation, Hazard Communication, and Hazardous Materials Management are all components of the aggressive Safety Program aimed at identifying and eliminating preventable mishaps triggered by unsafe work environments, practice or procedures. Training was the final and most significant component of the FEARLESS 74 Safety Program, ensuring that each member is acclimated to the concept of "Safety is Everyone's Responsibility". Motivating our troops to take a proactive stand on safety in our shops, on the projects and in any given situation was the backbone to the overall success of the Safety Program.

NMCB 74 PACOM MISHAP DATA

ON DUTY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	TOTALS
Lost Time Mishaps	0	0	1	3	0	1	0	0	5
No Lost Time Mishaps	0	0	7	4	2	2	2	0	17
Near Misses	0	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0	0
TOTAL MISHAPS ON DUTY	0	0	8	7	2	3	2	0	22
Number of Lost Work Days (Total)	0	0	14	5	0	14	0	0	33
OFF DUTY									
Lost Time Mishaps	0	0	1	1	0	0	0	0	2
No Lost Time Mishaps	2	4	6	2	3	2	3	2	24
Near Misses	0	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0	0
TOTAL MISHAPS ON DUTY	2	0	7	3	3	2	3	2	26
Number of Lost Work Days (Total)	0	0	2	2	0	0	0	0	4
MISHAP SEVERITY									
Class "A" Mishap	0	0	0	0	0	0	0	0	0
Class "B" Mishap	0	0	0	0	0	0	0	0	0
Class "C" Mishap	0	0	1	0	0	1	0	0	2
Class "D" Mishap	2	4	14	10	5	4	4	2	45
TOTAL MISHAPS	2	4	15	10	5	5	4	2	47

ENVIRONMENTAL / HAZMAT

FEARLESS 74 maintained OPNAVINST 5090.1C, 2010 Japanese Environmental Governing Standards and Commander, Fleet Activities Okinawa (CFAO) Environmental policy in the current Environmental/HAZMAT program and streamlined the ordering process to ensure all HAZMAT is ordered through sources that will provide required documentation annotated in the guidance. Unit SOPs, Site Specific Spill Plans, and five Part Folders (HAZMAT inventory, Material Safety Data Sheets (MSDS), inspection records, etc.) have been continuously maintained. Weekly self-assessments and monthly inspections were conducted along with a systematic HAZMAT management program. Over the course of

deployment, 50 training hours were dedicated to HAZWAP classes along with 100% completion of the Environmental Compliance Assessment, Training, and Tracking System (ECATTS) Environmental Awareness training.

HAZWASTE DISPOSED

Lead Acid Batteries	8,324 LBS
Used Petroleum Products	3,375 LBS
Empty Containers	859 LBS
Waste Paint	313 LBS
Used Oil Filters	501 LBS

QUALITY CONTROL

FEARLESS 74 Quality Control (QC) Department was engaged and proactive in establishing a strong presence at fifteen operating locations. A consistent focus on definable features of work, specified tolerances, and project planning greatly improved project management over the course of the deployment. The QC Department established the proper three phases of QC for each project, identified limitations and pursued methods to ensure their correction. Additionally, QC staff conducted several courses of instruction aimed at elevating the commands project management skill and leadership skills. Finally, FEARLESS 74's Operations Department oversaw the most robust and accurate quality control program in the NCF, promoting a culture of crisp project execution and focus on quality workmanship across the Battalion.

OPERATIONS

FEARLESS 74 planned, executed, and exercised Command and Control of the Battalion's fifteen operating locations across the PACOM AOR, completing 17,261 mandays of TSCP and CRO efforts across 73 projects totaling \$10.1M of materials. These achievements supported Installation, Fleet, and Task Force Commanders across PACOM, facilitating regional stability, strengthening ally partnerships and achieving supported commander's strategic objectives. FEARLESS 74 advanced Maritime Strategy imperatives through skills transfer programs with host nation military and civilians across multiple sites including Bangladesh, Cambodia, Chinhae, Federated States of Micronesia, Philippines, and Timor-Leste. Camp Shields Seabees also participated in a joint training opportunity, Exercise Silver Flag, with the Air Force's 554th Red Horse Squadron.



Readiness and response for Pacific Seabees was markedly improved through efficient and superior response protocols that were refined and implemented during four direct-hit typhoons on the island of Okinawa. FEARLESS 74 Seabees were able to provide critical recovery cleanup capabilities to CFAO without compromising cleanup efforts on Camp Shields. The battalion supported UFG 12 with camp setup and maintenance personnel, along with more than 50 watchstanders, to include construction and tear-down of the exercise area in response to two separate typhoons.



FEARLESS 74's LABOR DISTRIBUTION SUMMARY

	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total
Direct Labor MDs	125	1427	3693	3602	3148	3670	2883	18548	48%
Indirect Labor MDs	41	739	1993	3020	2140	2724	2059	12716	39%
Readiness/Training	0	323	712	677	1285	1193	721	4911	12%
Total MDs Exp	166	2489	6398	7299	6573	7587	5663	36175	100%
# of DL / IDL / OH	22	465	519	490	497	531	556	524	Avg/ WD
# Direct Labor	19	221	245	221	226	227	214	232	Avg/ WD
% Direct Labor	86%	48%	47%	45%	45%	43%	38%	44%	
# of Workdays	6	12	24	22	24	23	22	125	
Ideal Capability	128	2949	6531	5526	6121	5874	5297	32580	
Availability Factor	97%	59%	67%	77%	72%	83%	68%	72%	

Note: '# of Workdays' is based on a weighted average across all locations

LEVEL OF EFFORT TASKING SUMMARY

Project Number	Estimated Dur (Days)	Total Project Material Cost (\$)	Tasked (%)	Final Work in Place (%)	Mandays Expended
TE12-943	37	108,000	0 – 100	100	258
TE12-944	37	108,000	0 – 100	100	439
TE12-945	22	108,000	0 – 100	100	251
UFG12-001	24	37,000	0 – 100	100	594
UFG12-002	9	-	0 – 100	100	69
TW12-001	10	6,750	0 – 100	100	54
PHIBLEX 13-01	8	75,250	0 – 100	100	102
PHIBLEX 13-02	8	59,580	0 – 100	100	41
CA12-001	4	35,580	76 – 100	100	14
CA12-011	28	36,700	0 – 100	100	288
CA12-023	16	10,000	0 – 100	100	110
CA12-024	10	22,500	0 – 100	100	128
CA12-025	21	10,000	0 – 100	100	176
CA12-038	32	10,000	0 – 100	100	125
CA13-001	6	10,000	0 – 100	100	29
CA13-002	4	1,000	0 – 100	100	21
OIC-D1	23	22,500	0 – 100	100	159
FSM12-001	27	22,000	0 – 100	100	152
FSM12-002	31	50,000	0 – 100	100	101
FSM12-003	32	25,000	0 – 100	100	72
FSM12-004	32	60,000	0 – 100	100	130
FSM12-005	32	105,000	0 – 100	100	350
FSM12-006	32	70,000	0 – 100	100	340
FSM12-007	32	25,000	0 – 100	100	150
OIC-D1	1	-	0 – 100	100	2
OIC-D2	1	-	0 – 100	100	7
ASVAB	12	-	0 – 100	100	20
PHL12-001	56	69,580	0 – 100	100	790
PHL12-002	75	37,362	0 – 100	100	865
PHL12-003	21	12,000	0 – 100	100	316
Site Surveys	10	-	0 – 100	100	26
Project Number	Estimated	Total Project	Tasked	Final Work	Mandays



	Dur (Days)	Material Cost (\$)	(%)	in Place (%)	Expended
TL12-001	131	91,000	27 – 100	100	299
TL12-003	16	8,815	0 – 100	100	45
TL12-004	27	64,879	0 – 35	35	174
DCP Trng	98	75,000	0 – 100	100	654
OIC-D1	16	8,500	0 – 100	100	81
OIC-D2	8	8,500	0 – 100	100	30
JSP12-001	25	3,556	0 – 100	100	83
JSP12-002	16	4,949	0 – 100	100	49
JSP12-003	53	2,217	0 – 100	100	110
JSP12-004	51	1,532	0 – 100	100	155
JSP12-005	71	100,000	0 – 100	100	242
Total	-	1,505,750	-	-	8,101

PROJECT TASKING SUMMARY

Project Number	Total Project MDs	Total Project Material Cost (\$)	MDs Tasked	Tasked (%)	Final Work in Place (%)	Mandays Expended
JK06-838	2,522	550,000	66	0 – 2	2	62
JK07-843	2,312	595,000	492	46 – 73	65	532
JK09-819	1,258	620,074	122	57 – 67	62	132
JK10-820	248	143,964	84	0 – 34	4	11
JK12-319	1,000	-	1,000	0 – 100	100	865
KO09-847	5,500	672,172	165	97 – 100	100	127
KO10-860	367	97,539	367	0 – 100	100	385
OIC-D1	225	26,512	225	0 – 100	40	89
DG10-805	1,804	619,550	1,027	42 – 100	100	974
DG10-809	704	640,000	200	0 – 35	28	221
OIC-D1	10	-	10	0 – 100	100	10
OIC-D2	20	-	20	0 – 100	100	20
OIC-D3	20	-	20	0 – 100	100	20
OIC-D4	20	-	20	0 – 100	100	20
GM09-868	3,302	687,669	513	84 – 100	100	601
GM10-871	1,365	278,100	225	84 – 100	100	209
GM10-874	536	176,843	536	0 – 100	88	624
GM11-808	1,543	474,575	694	0 – 43	35	571
GM12-319	1,450	-	1,450	0 – 100	100	806
GM12-418	900	-	900	0 – 100	100	459
GM12-419	700	-	700	0 – 100	100	287
OIC-D1	133	-	133	0 – 100	100	133
SA05-831	254	41,279	150	0 – 59	13	59
SA06-843	148	32,951	148	0 – 100	100	242
SA10-871	681	500,000	239	0 – 61	47	396
SA12-897	607	140,269	299	52 – 100	100	399
AG10-817	953	557,278	228	0 – 24	6	238
AG10-818	476	183,661	234	0 – 49	12	152
YO05-894	1,771	678,010	263	83 – 92	92	165
YO07-801	1,769	663,956	179	80 – 87	86	109
YO12-808	783	253,766	452	18 – 84	50	242
Total	33,381	8,633,168	11,161	-	-	9,160



EXERCISES AND EXERCISE SUPPORT

PACIFIC PARTNERSHIP 2012, CAMBODIA (25JUN – 10AUG 2012)

In June 2012, FEARLESS 74 deployed to Cambodia in support of Commander, U.S. SEVENTH Fleet's (C7F) Exercise Pacific Partnership 2012. Pacific Partnership is a combined Partner Nations, U.S. Interagency, and International Humanitarian Community (IHC) volunteers, combined and joint HCA activities and coordinated training exercise. C7F executes Pacific Partnership in the PACOM AOR in order to strengthen alliances, promote multilateral security cooperation during peace, stability and consequence management operations, and improve U.S. military and partner capacity in HA/DR. FEARLESS 74 deployed engineers to the Kampot, Takeo, and Sihanouk Provinces of Cambodia to execute three Engineering Civic Action Projects (ENCAPs). The ENCAPs were a partnership with Amphibious Construction Battalion



(ACB) 1 Seabees, Royal Australian Engineers (RAE), Royal Cambodian Armed Forces (RCAF), and Host Nation (HN) civilian workers. The joint team constructed three new maternity wards for local communities.



This exercise was an overwhelming success due to the hard work and dedication of the ENCAPs partnership teams. With an aggressive schedule before them, all three groups partnered together, sharing knowledge, experience and cultural customs in the timely completion of three projects. All personnel involved gained invaluable knowledge and experience through effective communication and sharing construction methods. In addition to strengthening the professional relationship between participating countries, these new maternity wards greatly benefited all three local communities by contributing to their economic and social wellbeing.

LEVEL OF EFFORT TASKING SUMMARY

Project Number	Estimated Dur (Days)	Total Project Material Cost (\$)	Tasked (%)	Final Work in Place (%)	Mandays Expended
TE12-943	37	108,000	0 – 100	100	258
TE12-944	37	108,000	0 – 100	100	439
TE12-945	22	108,000	0 – 100	100	251
Total	-	324,000	-	-	948



Initial Site Conditions



Completed Building

**KAMPUNG KRENG HEALTH CENTER NEW MATERNITY BUILDING
TE12-943**

Project Data

Project Scope: Construct a new concrete and hollow block 7m by 8m two-room building behind existing health center. Building to include prefabricated steel truss roof and local roofing materials, interior lighting, sinks, electrical outlets, gutters and rain water catchment storage tank. Prime and paint all interior and exterior surfaces of existing buildings and new building.

Location:	48P VS 0969276250	
Personnel:	18 Personnel Assigned	7 NMCB 74 Seabees 11 Host Nation/Other
Duration:	24JUN2012 - 09AUG2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74/Host Nation:	258/418
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	676
	Total Project MD:	676
Material Cost:	\$108,000	
Cost Savings:	\$236,600	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	



Initial Site Conditions



Completed Building

**PREY SLEK HEALTH CENTER NEW MATERNITY BUILDING
TE12-944**

Project Data

Project Scope: Construct a new concrete and hollow block 7m by 16m four-room building adjacent to existing health center building. Requires demo of existing concrete pad and foundation. New building is to include prefabricated steel truss roof and local roofing materials, interior lighting, sinks, electrical outlets, gutters and rain water catchment storage tank. Prime and paint all interior and exterior surfaces of existing buildings and new building. Local authorities will demo and scrap existing abandoned building prior to start of construction.

Location: 48P VT 7630605802

Personnel: 18 Personnel Assigned 12 NMCB 74 Seabees
6 Host Nation/Other

Duration: 24JUN2012 - 09AUG2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74/Host Nation: 439/237

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: 676
Total Project MD: 676

Material Cost: \$108,000

Cost Savings: \$236,600

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Initial Site Conditions



Completed Building

**O CHROV HEALTH CENTER NEW MATERNITY BUILDING
TE12-945**

Project Data

Project Scope: Construct a new concrete and hollow block 7m by 8m two-room building behind existing health center. Building to include prefabricated steel truss roof and local roofing materials, interior lighting, sinks, electrical outlets, gutters and rain water catchment storage tank. Renovate existing toilet facilities to include new doors, framing and paint. Prime and paint all interior and exterior surfaces of existing buildings and new building.

Location:	48P US 6663667841	
Personnel:	32 Personnel Assigned	11 NMCB 74 Seabees 21 Host Nation/Other
Duration:	14JUL2012 - 10AUG2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74/Host Nation:	251/469
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	720
	Total Project MD:	720
Material Cost:	\$108,000	
Cost Savings:	\$252,000	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	

ULCHI FREEDOM GUARDIAN, OKINAWA/SOUTH KOREA (01 – 30AUG 2012)

In August 2012, FEARLESS 74 provided logistical support, staff augmentation and contingency construction in support of the combined joint exercise UFG 12. UFG is an annual bi-lateral joint military exercise between the Republic of Korea and the United States. The Command and Control Exercise focuses mainly on the US defense of South Korea and provides a valuable opportunity to enhance the interoperability of US and Republic of Korea naval forces.



Contingency construction took place from 20 to 29AUG2012 at both the Chinhae Naval Base and Republic of Korea Naval Base as a joint effort between FEARLESS 74 and Republic of Korea Navy (ROKN) Seabees. Tasking at the ROKN Base included the construction of a tent camp where seven FEARLESS Seabees supported the ROKN Seabees in the erection of the camp. Tasking at the Chinhae Naval Base included the construction of one hardened bunker. All materials for the construction project were provided by the ROKN Seabees. Detail Chinhae personnel worked side by side with 10 ROKN Seabees, enhancing the interoperability of the Naval Construction Force (NCF) and the Republic of Korea counterparts. Overall participation included 25 mandays of construction during the nine day exercise.



Detail Chinhae personnel worked side by side with 10 ROKN Seabees, enhancing the interoperability of the Naval Construction Force (NCF) and the Republic of Korea counterparts. Overall participation included 25 mandays of construction during the nine day exercise.

In Okinawa, Japan, Seabees were tasked with constructing a Primary Base-X Command Operations Center on Camp Courtney. This small base camp served as the Headquarters for the FIRST Naval Construction Division (1NCD) and provided 1NCD the opportunity to exercise its role as Commander, Naval Expeditionary Force (NEF) by executing command and control over multiple subordinate expeditionary units.

The execution of UFG 12 went flawlessly despite extreme weather at both locations. Detail Chinhae personnel were able to exchange valuable skills and construction knowledge with their ROKN counterparts, and 1NCD successfully executed its command and control role, achieving the overall end state of the exercise through the MIL to MIL engagements.

LEVEL OF EFFORT TASKING SUMMARY

Project Number	Estimated Dur (Days)	Total Project Material Cost (\$)	Tasked (%)	Final Work in Place (%)	Mandays Expended
UFG12-001	24	37,000	0 – 100	100	594
UFG12-002	9	-	0 – 100	100	69
Total	-	37,000	-	-	663



UFG Camp Setup in Okinawa



Completed Primary Base X Camp

**UFG CAMP SETUP AT CAMP COURTNEY, OKINAWA
UFG12-001**

Project Data

Project Scope: Erect Primary BASE-X Command Operations Center on Camp Courtney, Okinawa to serve as Headquarters for FIRST Naval Construction Division. Provide Camp Maintenance personnel to ensure camp sustainability through the duration of the exercise. Disassemble facility upon completion of exercise. Personnel assigned peaked at 59.

Personnel: 30 Personnel Assigned 30 NMCB 74 Seabees

Duration: 01AUG2012 – 30AUG2012

Mandays Expended: Previous Battalion: NEW START

NMCB 74: 594

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: 594
Total Project MD: 594

Material Cost: \$37,000

Cost Savings: \$207,900

Significant Safety Issues: The most significant safety issue was working in bad weather. With lots of moving parts (CESE, pinch points on tents, and personnel) rapidly disassembling the tents in preparation for a typhoon posed a significant safety issue.

Significant QC Issues: None

Significant Design Issues: None.

Significant Material Issues: None



Initial project site



Completed Hardened Bunker

CONSTRUCT HARDENED BUNKER AT CHINHAE NAVAL BASE AND CAMP SETUP UFG12-002

Project Data

Project Scope: Construct one hardened bunker at Chinhae Naval Base in support of combined joint US/ROK UFG exercise.

Personnel: 8 Personnel Assigned
 6 NMCB 74 Seabees
 2 Host Nation/Other

Duration: 20AUG2012 – 29AUG2012

Mandays Expended: Previous Battalion: NEW START
 NMCB 74/Host Nation 46/23

Tasking: WIP at turnover: 0%
 WIP at deployment completion: 100%
 MD Tasked to NMCB 74: 69
 Total Project MD: 69

Material Cost: All materials for the construction project were provided by the ROKN Seabees.

Cost Savings: \$24,150

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.

BANGLADESH INTEROPERABILITY PROGRAM, BANGLADESH (01SEP2012 – 30SEP 2012)

In September of 2012, two Seabees from FEARLESS 74 deployed with Marine Wing Support Squadron 171 (MWSS-171) to Dhaka, Bangladesh to participate in the Bangladesh Interoperability Program (BIP). The exercise focused on the cooperation of the United States and Bangladesh armed forces and provided each engineering force the ability to practice concrete formwork design, brick laying technique, electrical wiring and plumbing. The Seabees provided technical expertise and quality control oversight for the Marine Corps Detachment. During the month long exercise, the Marine and Bangladesh engineers completed the second story of an existing school house under the watchful eye of the Seabees. FEARLESS 74 provided valuable experience and knowledge, teaching the more inexperienced forces construction techniques and directly resulting in the successful and safe completion of the exercise.



EXERCISE TEMPEST WIND, TINIAN ISLAND (09 – 19SEP 2012)

In accordance with 30th Naval Construction Regiment (30NCR) PACOM Deployment FRAGO 12-016, FEARLESS 74 deployed 2 Steelworkers, 1 Construction Electrician, 1 Builder, and 1 Equipment Operator to the United States Common Wealth State of the Northern Marianas, Island of Tinian to assist five contractors construct projects in support of exercise Special Operations Command, Pacific (SOCPAC) TEMPEST WIND 2012. The Seabees quality of work and motivated spirit impressed the SOCPAC personnel so much that they requested Seabee support during SOCPAC TEMPEST WIND 2013.



Seabee support was initiated by SOCPAC due to delays in the contract award process, and the contractor project supervisor, a marine metal fabricator by trade, relied heavily on the technical knowledge of the Seabees throughout this nine day exercise. The scope of the project included the construction of 400 linear feet of plywood walls,

3,500 square feet of plywood flooring, and 12 doorways. Numerous man holes and rebar coverings were also built to ensure the safety of those participating in the exercise.

LEVEL OF EFFORT TASKING SUMMARY

Project Number	Estimated Dur (Days)	Total Project Material Cost (\$)	Tasked (%)	Final Work in Place (%)	Mandays Expended
TW12-001	10	6,750	0 – 100	100	54
Total	-	6,750	-	-	54



Empty Second Floor of Building



Free standing walls and doorways

**SOC PAC EXERCISE TEMPEST WIND 2012
TW12-001**

Project Data

Project Scope: Modification to existing building to maximize training values of the facilities by constructing free standing doors, walls and windows. By doing this, it did not compromise the historic elements of the already war-torn buildings.

Personnel: 5 Personnel Assigned 5 NMCB 74 Seabees

Duration: 09SEP2012 – 18SEP2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 54

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: 54
Total Project MD: 54

Material Cost: \$6,750

Cost Savings: \$18,900

Significant Safety Issues: The existing structure was constructed before WWII and was in dire need of repairs. Holes in the floor and exposed rebar posed significant safety hazards for personnel conducting the exercise. Detail personnel covered holes and covered exposed rebar to mitigate the risk.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



PHIBLEX 2013, PHILIPPINES (08– 16OCT 2012)

In October 2012, FEARLESS 74 Seabees participated in Amphibious Landing Exercise (PHIBLEX) 2013. PHIBLEX is an annual bilateral interagency training exercise between Marines and Sailors from the United States with service members from the Armed Forces of the Philippines. The exercise gives both militaries a chance to train together on a wide range of capabilities, including humanitarian assistance and disaster relief.

CCAD Philippines provided general engineering support to the Third Marine Expeditionary Force (III MEF) lead exercise command, 31st Marine Expeditionary Unit (31st MEU). FEARLESS 74 supported construction of an 8’x8’ concrete septic tank and leach field at Barangay Tagbouros Elementary School and a 20’x40’ outdoor pavilion at Barangay Macarascas Elementary School in just eight days. This joint, multi-national exercise provided an excellent opportunity for Seabees from FEARLESS 74, the Philippine Armed Forces and Marines from the 31st MEU to work side by side to complete the projects and all parties benefitted greatly from working with their counterparts from different services.

LEVEL OF EFFORT TASKING SUMMARY

Project Number	Estimated Dur (Days)	Total Project Material Cost (\$)	Tasked (%)	Final Work in Place (%)	Mandays Expended
PHIBLEX 13-01	8	75,250	0 – 100	100	102
PHIBLEX 13-02	8	59,580	0 – 100	100	41
Total	-	134,830	-	-	143



Initial Site Conditions



Completed Project

**MACARASCAS ELEMENTARY SCHOOL OUTDOOR PAVILION
PHIBLEX 13-01**

Project Data

Project Scope: Construct a new 8m x 15m concrete pad and outdoor steel pavilion adjacent to existing outdoor bandstand. Project to include steel columns, trusses and built up steel roof system with corrugated steel roofing.

Location: 50P PS 9673309788

Personnel: 26 Personnel Assigned
12 NMCB 74 Seabees
14 Host Nation/CLB (USMC)

Duration: 08OCT2012 – 16OCT2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74/Host Nation: 102/113

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: 215
Total Project MD: 215

Material Cost: \$20,000

Cost Savings: \$75,250

Significant Safety Issues: Fall hazards present while constructing roof and erecting steel.

Significant QC Issues: The most significant quality control issue was ensuring welds on the pavilion structure would meet acceptable strength standards.

Significant Design Issues: Detailed plans or methods of construction were not available at the onset. This was overcome through collaborative efforts onsite to utilize available materials in order to complete the projects.

Significant Material Issues: Steel angle iron ordered to construct the project was delivered to the site with significant bows/curves in the steel, making it very difficult to complete the project.



Septic tank after initial placement



Tagbueros Septic Tank prior to fitting top

**TAGBUROS ELEMENTARY SCHOOL SEPTIC TANK AND LEACH FIELD
PHIBLEX 13-02**

Project Data

Project Scope:	Construct a new 3m x 3m concrete septic tank and associated leach field to service the school and replace an existing, collapsed tank.		
Location:	50P PR 9122486038		
Personnel:	22	Personnel Assigned	6 NMCB 74 Seabees 16 Host Nation/CLB (USMC)
Duration:	08OCT2012 – 16OCT2012		
Mandays Expended:	Previous Battalion:	NEW START	
	NMCB 74:	41/130	
Tasking:	WIP at turnover:	0%	
	WIP at deployment completion:	100%	
	MD Tasked to NMCB 74:	171	
	Total Project MD:	171	
Material Cost:	\$11,000		
Cost Savings:	\$59,580		
Significant Safety Issues:	Proper benching of earth was required to prevent collapse while constructing septic tank.		
Significant QC Issues:	None.		
Significant Design Issues:	Detailed plans or methods of construction were not available at the onset. This was overcome through collaborative efforts onsite to utilize available materials in order to complete the projects.		
Significant Material Issues:	None.		



EXERCISE CROCODILIO 2012, TIMOR LESTE (10 – 15OCT 2012)

Exercise Crocodilio is a joint, multi-national exercise aimed at building the partnership between the United States and Timor Leste. The five day exercise was primarily between the 15th Marine Expeditionary Unit (MEU) and the Timor Leste Defense Forces. FEARLESS 74 was tasked with identifying projects and developing Bill of Materials (BOMs) for the MEU before arrival. Once the MEU arrived in Timor Leste, two Seabees also conducted community relation events with MEU personnel at previous Seabee project sites, handing out water and school supplies.



**THEATER SECURITY COOPERATION
PROGRAM**

CIVIC CONSTRUCTION ACTION DETAIL (CCAD) CAMBODIA

FEARLESS 74's CCAD Cambodia (CCAD KHM) deployed on 13JUN2012 in support of Exercise Pacific Partnership 2012, leading a multinational team of engineers from the Royal Cambodian Armed Forces (RCAF), the Royal Australian Engineers and Amphibious Construction Battalion ONE, in construction of three new health clinics across three provinces of this developing country.



Immediately upon completion of Pacific Partnership 2012 in mid-August, CCAD KHM divided into two elements in order to simultaneously conduct water well and vertical construction operations. In less than 45 days, the water well team completed three new water wells and one well refurbishment, resulting in freshwater for over 3,600 school age children. The vertical team completely renovated two school buildings to create a significantly improved learning environment for the students and completed a renovation of a one-room photovoltaic solar powered community center for the remote village of Tralach District of the Kampong Chnang Province.



CCAD KHM was able to strengthen alliances and promote multilateral security cooperation during peacetime and increase the stability and consequence management operations of Cambodia. FEARLESS 74's concentrated efforts to engage RCAF engineers - seen in the nearly one-to-one ratio of Seabee to RCAF on job sites - along with maturing the Naval Construction Force's (NCF) relationship with the Office of Defense Coordination (ODC), was paramount to the joint request from Cambodia and the Department of State (DOS) to the Commander, U.S. Pacific Fleet (PACFLT) for a long-term durational Seabee Detail in Cambodia.

CCAD KHM LABOR DISTRIBUTION SUMMARY

	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total
Direct Labor MDs	125	321	356	255	294	391	256	1998	75%
Indirect Labor MDs	41	68	83	23	21	77	96	409	15%
Readiness/Training	0	0	47	29	23	134	33	266	10%
Total MDs Exp	166	389	486	307	338	602	385	2673	100%
# of DL / IDL / OH	22	22	22	22	22	22	22	22	Avg/ WD
# Direct Labor	19	19	19	19	19	19	19	19	Avg/ WD
% Direct Labor	86%	86%	86%	86%	86%	86%	86%	86%	
# of Workdays	6	21	25	22	24	23	22	136	
Ideal Capability	128	449	534	470	513	492	470	2907	
Availability Factor	97%	71%	75%	60%	62%	107%	61%	77%	

Note: Labor Distribution accounts for Exercise Related Construction



LEVEL OF EFFORT TASKING SUMMARY

Project Number	Estimated Dur (Days)	Total Project Material Cost (\$)	Tasked (%)	Final Work in Place (%)	Mandays Expended
CA12-001	4	35,580	76 – 100	100	14
CA12-011	28	36,700	0 – 100	100	288
CA12-023	16	10,000	0 – 100	100	110
CA12-024	10	22,500	0 – 100	100	128
CA12-025	21	10,000	0 – 100	100	176
CA12-038	32	10,000	0 – 100	100	125
CA13-001	6	10,000	0 – 100	100	29
CA13-002	4	1,000	0 – 100	100	21
OIC-D1	23	22,500	0 – 100	100	159
Total	-	158,280	-	-	1,050

CCAD CAMBODIA EQUIPMENT AND 3M SUMMARY

EQUIPMENT POPULATION

	BEEP	JUL	AUG	SEP	OCT	NOV	DEC	BEEP
In Inactive Equipment Management	9	9	0	0	0	0	0	0
In Active Service	8	8	16	16	22	22	22	22
Active CESE On Deadline	2	2	0	0	0	0	0	0
Automotive Equipment	0	0	0	0	0	0	0	0
Construction Equipment	2	2	0	0	0	0	0	0
Material Handling Equipment	0	0	0	0	0	0	0	0
Total Active CESE Available	15	15	16	16	22	22	22	22
% Active CESE Availability	88%	88%	100%	100%	100%	100%	100%	100%
CESE Processed through DRMO	0	0	0	0	0	0	0	0
Total CESE Managed	17	17	16	16	22	22	22	22

3M SUMMARY

Month	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	Total
SKED	83	50	90	97	111	84	84	0	599
Checks	79	50	90	97	111	84	80	0	591
RAR	95%	100%	100%	100%	100%	100%	95%	-	99%
Spot Checks	6	3	4	3	5	4	3	0	28
UNSAT Checks	0	0	0	0	0	0	0	0	0
Partial Checks	0	0	0	0	0	0	0	0	0
ACF	100%	100%	100%	100%	100%	100%	100%	-	100%
PPR	95%	100%	100%	100%	100%	100%	95%	-	98.6%

Note: Based on all 3M Work Centers



Initial Site Conditions



Completed Project

**REAM NAVAL BASE WATER WELL (JIATF-W)
CA12-001**

Project Data

Project Scope: Drill new 45m/150ft deep well and install casing, screens, and a hand water pump.

Location: 48P US 4801962023

Personnel: 5 Personnel Assigned 5 NMCB 74 Seabees

Duration: 15AUG2012 - 18AUG2012

Mandays Expended: Previous Battalion: 44
NMCB 74: 14

Tasking: WIP at turnover: 76%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: 14
Total Project MD: 58

Material Cost: \$35,580

Cost Savings: \$20,300

Significant Safety Issues: None.

Significant QC Issues: The water quality was not suitable for intended use because of high salt content. NAVFAC ROICC determined to cap the well and not pursue further operations. No impact to supporting JIATF-W building, the new building has city water plumbed into it.

Significant Design Issues: None.

Significant Material Issues: No issues getting materials. There were some issues in terms of quality of materials depending on where the materials were bought from.



Initial Site Conditions



Completed Building

**KAMPONG TRALACH COMMUNITY CENTER
CA12-011**

Project Data

Project Scope: Construct a new concrete and hollow block 7m by 8m building adjacent to existing Mosque. New building is to include prefabricated steel truss roof and local roofing materials, self sustaining electrical system, interior lighting, electrical outlets, gutters, and rain water catchment storage tank. Prime and paint exiting head facilities and new building.

Location: 48P VU 6021732456

Personnel: 16 Personnel Assigned 10 NMCB 74 Seabees
6 Host Nation/Other

Duration: 15OCT2012 – 19NOV2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74/Host Nation: 288/165

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 453

Material Cost: \$36,700

Cost Savings: \$158,550

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Initial Site Conditions



Completed Project

**SANG KRAT PRIMARY SCHOOL RENOVATION
CA12-023**

Project Data

Project Scope: Renovate existing building consisting of 5 classrooms with caravan colored walls and grey windows and doors with floor repair, wall finishes, and fascia boards. Replace existing lighting with (2) 2 lamp fluorescent fixtures in each classroom. Exterior repairs and painting of existing 2 stall detached bathroom building.

Location: 48P US 4042276047

Personnel: 7 Personnel Assigned 7 NMCB 74 Seabees

Duration: 20AUG2012 – 7SEP2012

Mandays Expended: Previous Battalion: NEW START

NMCB 74: 110

Tasking: WIP at turnover: 0%

WIP at deployment completion: 100%

MD Tasked to NMCB 74: LOE

Total Project MD: 110

Material Cost: \$10,000

Cost Savings: \$38,500

Significant Safety Issues: None.

Significant QC Issues: Work pace could have influenced crew to cut corners, but they maintained high quality standards. The most significant quality issue was using the proper steel to comply with design, ASTM and AISI standards.

Significant Design Issues: None.

Significant Material Issues: No issues getting materials. Some issues in terms of quality of materials depending on where the materials were bought from.



Adding another piece of drill steel



Completed Project

**SANG KRAT PRIMARY SCHOOL WATER WELL
CA12-024**

Project Data

Project Scope: Drill new 45m/150ft deep well and install casing, screens, and a hand water pump.

Location: 48P US 4042276047

Personnel: 10 Personnel Assigned 10 NMCB 74 Seabees

Duration: 27AUG2012 – 7SEP2012

Mandays Expended: Previous Battalion: NEW START

NMCB 74: 128

Tasking: WIP at turnover: 0%

WIP at deployment completion: 100%

MD Tasked to NMCB 74: LOE

Total Project MD: 128

Material Cost: \$22,500

Cost Savings: \$44,800

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: No issues getting materials. Some issues in terms of quality of materials depending on where the materials were bought from.



Initial Site Conditions



Completed Project

**REAM NAVY BOOTCAMP WATER WELL SIHANOUKVILLE CAMBODIA
CA12-025**

Project Data

Project Scope: Drill new 45m/150ft deep well and install casing, screens, and a hand water pump.

Location: 48P US 5176763343

Personnel: 8 Personnel Assigned 8 NMCB 74 Seabees

Duration: 24SEP2012 – 19OCT2012

Mandays Expended: Previous Battalion: NEW START

NMCB 74: 176

Tasking: WIP at turnover: 0%

WIP at deployment completion: 100%

MD Tasked to NMCB 74: LOE

Total Project MD: 176

Material Cost: \$10,000

Cost Savings: \$61,600

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Initial Site Conditions



Completed Project

**HUN SEN KRONG PRIMARY SCHOOL RENOVATION
CA12-038**

Project Data

Project Scope:	Refurbish two sets of concrete stairs, prime and paint exterior of building, install two lights in each room with one light switch in each room.		
Location:	48P US 3560175227		
Personnel:	4	Personnel Assigned	4 NMCB 74 Seabees
Duration:	27AUG2012 – 5OCT2012		
Mandays Expended:	Previous Battalion:	NEW START	
	NMCB 74:	125	
Tasking:	WIP at turnover:	0%	
	WIP at deployment completion:	100%	
	MD Tasked to NMCB 74:	LOE	
	Total Project MD:	125	
Material Cost:	\$10,000		
Cost Savings:	\$43,750		
Significant Safety Issues:	None.		
Significant QC Issues:	Work pace could have influenced crew to cut corners, but they maintained high quality standards. The most significant quality issue was using the proper steel to comply with design, ASTM and AISI standards.		
Significant Design Issues:	None.		
Significant Material Issues:	No issues getting materials. Some issues in terms of quality of materials depending on where the materials were bought from.		



Water well team installs new PVC pipe



Completed Project

HUN SEN KRONG WATER WELL REFURBISHMENT CA13-001

Project Data

Project Scope:	Replace and develop existing pump and install new casing, screens, and a hand water pump.		
Location:	48P US 3560175227		
Personnel:	5	Personnel Assigned	5 NMCB 74 Seabees
Duration:	15OCT2012 – 22 OCT 2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74:		29
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		LOE
	Total Project MD:		29
Material Cost:	\$10,000		
Cost Savings:	\$10,150		
Significant Safety Issues:	None.		
Significant QC Issues:	Water quality was still poor and brownish following refurbishment; well was capped. School director preferred to have well capped to ensure children would not use well.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



EO1 (SCW) Hill sets the ITWD rig.



Completed Project

**O CHROV PRIMARY SCHOOL WELL REPAIR
CA13-002**

Project Data

Project Scope:	Replace and develop existing pump and install new casing, screens, and a hand water pump.		
Location:	48P US 6686767012		
Personnel:	5	Personnel Assigned	5 NMCB 74 Seabees
Duration:	7NOV2012 – 10NOV2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74:		21
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		LOE
	Total Project MD:		21
Material Cost:	\$1,000		
Cost Savings:	\$7,350		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



Spreading base course



Completed Project

**REAM WAREHOUSE + YARD IMPROVENTS SIHANOUKVILLE
OIC-D1**

Project Data

Project Scope: Expand existing laydown yard, remove top soil, spread and compact rock base and gravel. Interior warehouse improvements fabricate and install large cages to lock up tools and materials.

Location: 48P US 4788661370

Personnel: 7 Personnel Assigned 7 NMCB 74 Seabees

Duration: 10SEP2012 – 8OCT2012

Mandays Expended: Previous Battalion: NEW START

NMCB 74: 159

Tasking: WIP at turnover: 0%

WIP at deployment completion: 100%

MD Tasked to NMCB 74: LOE

Total Project MD: 159

Material Cost: \$22,500

Cost Savings: \$55,650

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: UT3 Pringle supervises as a child paints a desk.

Photo 2: Seabees and children play basketball.

**ORPHANAGE OF SIHANOUK PROVINCE
COMREL 1**

Project Data

Project Scope:	Sand, prime, and paint existing children's desks at the Orphanage of Sihanouk Province.		
Personnel:	21	Personnel Assigned	21 NMCB 74 Seabees
Duration:	18AUG2012		
Mandays Expended:	Previous Battalion:	NEW START	
	NMCB 74:	21	
Tasking:	WIP at turnover:	0%	
	WIP at deployment completion:	100%	
	MD Tasked to NMCB 74:	N/A	
	Total Project MD:	21	
Material Cost:	\$0		
Cost Savings:	N/A		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



Photo 1



Photo 2

Photo 1: BU3 (SCW) Redfearn and school teacher repair desk.

Photo 2: SW2 (SCW) Golden paints a playground.

O CHROV PRIMARY AND SECONDARY SCHOOL COMREL 2

Project Data

Project Scope:	Stabilized existing school desks with lateral plywood bracing. Clean, prime and paint existing metal playground. Evaluated school's existing water well.		
Personnel:	13	Personnel Assigned	11 NMCB 74 Seabees 2 Host Nation/Other
Duration:	29SEP2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74:		11/2
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		N/A
	Total Project MD:		13
Material Cost:	\$0		
Cost Savings:	N/A		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



Photo 1



Photo 2

Photo 1: FEARLESS 74 Seabees and RCAF Engineers, with Major General Pen Ra, Deputy Commander of the RCAF Engineer Command.

Photo 2: FEARLESS 74 Seabees and RCAF Engineers, along with administrators, teachers and students.

**PHNUM SRUOCH DISTRICT, PRIMARY AND SECONDARY SCHOOLS
COMREL 3**

Project Data

Project Scope: Install 4 HydrAID BioSand Water Filters to provide practical experience to the RCAF Engineer personnel who participated in the water filtration SMEE during Pacific Partnership 2012. The project involved assembly, placement and setting up the sand based water filter. CCAD Cambodia personnel along with RCAF Engineers jointly read through the directions for assembly, usage and operations of the water filter. RCAF Engineers demonstrated and though local school officials how to use and care for the filter.

Personnel:	8	Personnel Assigned	4	NMCB 74 Seabees
			4	Host Nation/Other
Duration:	27OCT2012			
Mandays Expended:	Previous Battalion:		NEW START	
	NMCB 74:		4	
Tasking:	WIP at turnover:		0%	
	WIP at deployment completion:		100%	
	MD Tasked to NMCB 74:		N/A	
	Total Project MD:		8	
Material Cost:	\$0			
Cost Savings:	N/A			
Significant Safety Issues:	None.			
Significant QC Issues:	None.			
Significant Design Issues:	None.			
Significant Material Issues:	None.			



Photo 1



Photo 2

Photo 1: CM2 (SCW) Poplin, CM3 (SCW) Carter and UT3 (SCW) Pringle unload donated bed frames from the MTRV Cargo.

Photo 2: Nurse Dau Li Chun inspects the new bed at the Prey Sleik Health Center.

PREY SLEK HEALTH CENTER AND KAMPUNG KRENG HEALTH CENTER COMREL 4

Project Data

Project Scope: Construct 6 new steel framed beds, paint, fix plywood support to frame and deliver to Prey Sleik Health Center and Kampung Kreng Health Center. New Maternity Buildings constructed as part of Pacific Partnership 2012 – Cambodia.

Personnel: 11 Personnel Assigned 11 NMCB 74 Seabees

Duration: 17NOV2012

Mandays Expended: Previous Battalion: NEW START

NMCB 74: 11

Tasking: WIP at turnover: 0%

WIP at deployment completion: 100%

MD Tasked to NMCB 74: N/A

Total Project MD: 11

Material Cost: \$0

Cost Savings: N/A

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.

CCAD FEDERATED STATES OF MICRONESIA (FSM), YAP PHASE (11AUG – 12DEC 2012)

FEARLESS 74's CCAD FSM, Yap Phase deployed on 11AUG2012 in direct support of the U.S. Compact of Free Association with the FSM. The CCAD instituted a construction apprenticeship training program that taught basic electrical, carpentry and utility construction methods, maintaining a nearly one-to-one ratio of Seabees to Yapese and conducted weekly Armed Services Vocational Aptitude Battery (ASVAB) tutoring sessions at the Yap High School in support of Armed Forces Recruiting District Guam.



In three months of execution, CCAD FSM completed seven renovation projects worth over \$230,000 in support of local schools and education centers, including a 96' x 62' concrete multipurpose sports pad with stadium lighting and fencing, truss and roof restorations, and electrical repairs for seven education buildings.



FEARLESS Seabees coordinated bi-monthly community relation events, ranging from road repairs to community basketball games. The success of these events was demonstrated in the consistent increase in local participation. Working in conjunction with the 30NCR Medical Department and U.S. Embassy (USEMB) in Pohnpei, the CCAD initiated a comprehensive Medical Capabilities (MEDCAP) program and improved the preventative medicine knowledge and health services infrastructure by working closely with the Yapese medical

providers.

The mission succeeded in re-establishing the United States' "grassroots" relationships with the Yapese and demonstrated the continued U.S. commitment to nation building throughout the Pacific.

CCAD FSM LABOR DISTRIBUTION SUMMARY

	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	Total	% Total
Direct Labor MDs	-	-	80	389	430	424	-	-	1,324	77%
Indirect Labor MDs	-	-	10	69	138	115	-	-	322	19%
Readiness/Training	-	-	0	36	21	9	-	-	66	4%
Total MDs Exp	-	-	91	432	478	548	-	-	1,722	100%
# of DL / IDL / OH	-	-	21	21	21	21	3	-	21	Avg/ WD
# Direct Labor	-	-	16	16	17	16	0	-	16.4	Avg/ WD
% Direct Labor	-	-	76%	76%	81%	76%	0%	-	76%	
# of Workdays	-	-	5	24	25	25	-	-	77	
Ideal Capability	-	-	90	432	478	414	-	-	1,386	
Availability Factor	-	-	90%	98%	94%	105%	-	-	100%	



LEVEL OF EFFORT TASKING SUMMARY

Project Number	Estimated Dur (Days)	Total Project Material Cost (\$)	Tasked (%)	Final Work in Place (%)	Mandays Expended
FSM12-001	27	22,000	0 – 100	100	152
FSM12-002	31	50,000	0 – 100	100	101
FSM12-003	32	25,000	0 – 100	100	72
FSM12-004	32	60,000	0 – 100	100	130
FSM12-005	32	105,000	0 – 100	100	350
FSM12-006	32	70,000	0 – 100	100	340
FSM12-007	32	25,000	0 – 100	100	150
OIC-D1	1	-	0 – 100	100	2
OIC-D2	1	-	0 – 100	100	7
ASVAB	12	-	0 – 100	100	20
Total	-	357,000	-	-	1,324

CCAD FSM EQUIPMENT AND 3M SUMMARY

EQUIPMENT POPULATION

	BEEP	JUL	AUG	SEP	OCT	NOV	DEC	BEEP
In Inactive Equipment Management	-	-	0	0	0	0	0	0
In Active Service	-	-	6	6	6	6	6	6
Active CESE On Deadline	-	-	0	0	0	0	0	0
Automotive Equipment	-	-	0	0	0	0	0	0
Construction Equipment	-	-	0	0	0	0	0	0
Material Handling Equipment	-	-	0	0	0	0	0	0
Total Active CESE Available	-	-	6	6	6	6	6	6
% Active CESE Availability	-	-	100%	100%	100%	100%	100%	100%
CESE Processed through DRMO	-	-	0	0	0	0	0	0
Total CESE Managed	-	-	6	6	6	6	6	6

3M SUMMARY

Month	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	Total
SKED	-	-	9	12	8	10	6	-	45
Checks	-	-	9	10	8	10	0	-	37
RAR	-	-	100%	83%	100%	100%	0%	-	82%
Spot Checks	-	-	0	2	2	1	0	-	5
UNSAT Checks	-	-	0	0	0	0	0	-	0
Partial Checks	-	-	0	0	0	0	0	-	0
ACF	-	-	100%	100%	100%	100%	100%	-	100%
PPR	-	-	100%	83%	100%	100%	0%	-	82%

Note: Based on all 3M Work Centers



Initial Site Conditions



Completed Project

**BALEAU EARLY EDUCATION CENTER RENOVATION PROJECT
FSM12-001**

Project Data

Project Scope: Replace 2 toilets, 12 interior fluorescent light fixtures, 6 exterior light fixtures, an entrance gate and 250' of 6' high chain link fencing located around the school grounds. Install P-trap on sink. Pressure wash, prime and paint interior and exterior of school. Install 40' of rain gutters.

Location: 54P SR 8405851988

Personnel: 9 Personnel Assigned 6 NMCB 74 Seabees
3 Host Nation/Other

Duration: 07SEP2012 – 11OCT2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74/Host Nation: 152/80

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 232

Material Cost: \$22,000

Cost Savings: \$81,200

Significant Safety Issues: Lead CE gave in depth electrical Safety training to the crew to include all the HN workers prior to fixture installations. Proper PPE for paint and paint methods was addressed prior to painting.

Significant QC Issues: Care of demolition so existing fixtures, surfaces and hardware sets remained undamaged during removal and reinstallation. Electrical fixtures were plumb and latterly spaced throughout the building. Measurements and spacing were verified by QC prior to fixture installations.

Significant Design Issues: None.

Significant Material Issues: None.



Initial Site Conditions



Completed Project

**DALIPEBINAW ELEMENTARY RESTROOM RENOVATIONS
FSM12-003**

Project Data

Project Scope: Remove existing roof, repair/replace trusses and install new roof sheeting and fascia of a 36' x 20' building. Install gutters and downspouts. Rebuild 4 toilets. Replace 4 faucets, and 4 exterior doors and hardware. Install 4 fluorescent lights. Replace broken window glass and screens. Repair broken stall doors, Prime and paint interior and exterior of the restroom and building.

Location: 54P SR 8035653734

Personnel: 3 Personnel Assigned
2 NMCB 74 Seabees
1 Host Nation/Other

Duration: 17SEP2012 – 26OCT2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74/Host Nation: 72/30

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 102

Material Cost: \$25,000

Cost Savings: \$35,700

Significant Safety Issues: Proper eye protection was enforced at all times during primer and paint applications. Latex gloves were worn while using cleaning solvents in the restroom areas.

Significant QC Issues: Proper prepping of the plumbing fixtures and tile floor were inspected by QC prior to primer and paint application. Electrical fixtures were plumb and latterly spaced throughout the building. Measurements and spacing was verified by QC prior to fixture installations.

Significant Design Issues: None.

Significant Material Issues: None.



Initial Site Conditions



Completed Project

**TOMIL EARLY EDUCATION CENTER RENOVATION CENTER
FSM12-004**

Project Data

Project Scope: Remove existing roof, replace trusses and install new roof sheeting. Rebuild restroom walls with treated timber and T1-11 siding. Replace interior ceilings, 4 exterior doors and hardware, 1 toilet, 1 restroom sink. Install 18 fluorescent light fixtures, 3 ceiling fans, Paint and prime interior and exterior of school.

Location: 54P SR 9027556130

Personnel: 7 Personnel Assigned 4 NMCB 74 Seabees
3 Host Nation/Other

Duration: 17SEP2012 – 26OCT2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74/Host Nation: 130/100

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 230

Material Cost: \$60,000

Cost Savings: \$80,500

Significant Safety Issues: Ladder safety observed at all times during prime and paint activities. Paint trays and tools were not left unattended on ladder tops (falling object hazards).

Significant QC Issues: All paint color combinations approved by QC. Upon finish of second coat of exterior paint QC was notified. QC reinspected walls and trim applications prior to the start of the finish coat.

Significant Design Issues: None.

Significant Material Issues: No issues procuring materials. Quality of materials depended on where materials were purchased.



Initial Site Conditions



Completed Project

**YAP HIGH SCHOOL MULTI PURPOSE COURT
FSM12-005**

Project Data

Project Scope: Form and pour a 55' X 100' X 4" multi-purpose concrete court. Form and pour a 42' X 84' X 4" tennis and volleyball concrete court. Install 8 stadium pole mounted light fixtures. Install backboards and basketball rims. Install tennis net. Install 650 linear feet of 6 ft high chain link fencing with a personnel gate. Paint lines on basketball and tennis courts. Complete finish grading to improve drainage.

Location: 54P SR 8154751718

Personnel: 17 Personnel Assigned 11 NMCB 74 Seabees
6 Host Nation/Other

Duration: 18OCT2012 – 26NOV2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74/Host Nation: 350/195

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 545

Material Cost: \$105,000

Cost Savings: \$190,750

Significant Safety Issues: Proper PPE was worn during all concrete activities. Ground guides utilized for any equipment movements on site.

Significant QC Issues: Concrete slump test verified by QC on every truck delivered to the site.

Significant Design Issues: None.

Significant Material Issues: No issues procuring materials. Quality of materials depended on where materials were purchased.



Initial Site Conditions



Completed Project

**YAP HIGH SCHOOL PE BUILDING SECOND FLOOR RENOVATION
FSM12-006**

Project Data

Project Scope: Replace the second floor exterior siding with treated T1-11 siding. Rebuild second floor access timber stairway and construct an additional timber stairway on concrete footings to provide 2 access/egress points. Replace second floor windows. Replace second floor doors including hardware. Prime and paint Interior and exterior of building.

Location: 54P SR 8154751718
Personnel: 16 Personnel Assigned 10 NMCB 74 Seabees
 6 Host Nation/Other

Duration: 18OCT2012 – 26NOV2012

Mandays Expended: Previous Battalion: NEW START
 NMCB 74: 340/170

Tasking: WIP at turnover: 0%
 WIP at deployment completion: 100%
 MD Tasked to NMCB 74: LOE
 Total Project MD: 510

Material Cost: \$70,000

Cost Savings: \$178,500

Significant Safety Issues: All crew members had familiarization training on the approved scaffolding plan, ladder and fall awareness prior to the project start. Proper eye protection was worn during all overhead construction.

Significant QC Issues: All T1-11 was primed and painted prior to installation so that only touch up paint was needed for the finished product. Stair designs and plans were approved by NMCB 74 QC department prior to construction.

Significant Design Issues: None.

Significant Material Issues: No issues procuring materials. Quality of materials depended on where materials were purchased.



Initial Site Conditions



Completed Project

**DALIPEBINAW ELEMENTARY SCHOOL LIBRARY RENOVATION PROJECT
FSM12-007**

Project Data

Project Scope:	Remove existing roof on the library and computer lab building. Repair/replace trusses and install new roof sheeting and fascia of 75' x 32' building. Install gutters and downspouts. Rebuild the flooring in the kitchen area. Replace 4 exterior doors and hardware. Repair electrical wiring in the office area. Paint and prime interior and exterior.		
Location:	54P SR 8035653734		
Personnel:	7	Personnel Assigned	5 NMCB 74 Seabees 2 Host Nation/Other
Duration:	27AUG2012 – 5OCT2012		
Mandays Expended:	Previous Battalion:	NEW START	
	NMCB 74/Host Nation:	150/80	
Tasking:	WIP at turnover:	0%	
	WIP at deployment completion:	100%	
	MD Tasked to NMCB 74:	LOE	
	Total Project MD:	230	
Material Cost:	\$25,000		
Cost Savings:	\$80,500		
Significant Safety Issues:	All crew members had familiarization training on the approved scaffolding plan, ladder and fall awareness prior to the project start. Proper eye protection was worn during all overhead construction. Proper ventilation was maintained and monitored during all paint activities.		
Significant QC Issues:	Proper preparations for paintable surfaces were inspected by QC prior to paint applications.		
Significant Design Issues:	None.		
Significant Material Issues:	No issues procuring materials. Quality of materials depended on where materials were purchased.		



Photo 1



Photo 2

Photo 1: The unimproved road to Tomil before the repairs began.

Photo 2: EO3 Gates spreading fill as the Yap PWD compacts it.

TOMIL ROAD IMPROVEMENTS OIC-D1

Project Data

Project Scope: Moved and spread coral for main access road, dug ditches to control run off, and removed top layer of destroyed road. This is the same road from COMREL 2. Monsoon rains had made the dirt road virtually unusable. Public transportation and village school buses were halted because the road had become so muddy. Yap PWD and Seabees spent 8 hours to improve the road and ensure it was usable.

Personnel: 2 Personnel Assigned 2 NMCB 74 Seabees
2 Host Nation/Other

Duration: 12OCT2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 2

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 2

Material Cost: \$0

Cost Savings: \$700

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: EO3 Gates moving fill for the road repairs.

Photo 2: Members of the detail spread the fill in the road.

GAGIL ROAD IMPROVMENTS OIC-D2

Project Data

Project Scope:	Seabees fixed approximately 3 miles of access road in and out of the village of Gagil. This included filling random pot holes to completely regrading (as much as possible using a backhoe).		
Personnel:	7	Personnel Assigned	7 NMCB 74 Seabees 0 Host Nation/Other
Duration:	20OCT2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74:		7
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		LOE
	Total Project MD:		7
Material Cost:	\$0		
Cost Savings:	\$2,450		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



Photo 1



Photo 2

Photo 1: BU3 Baldwin and BU2 Katzenberger work with the students shoving coral for the walking paths.

Photo 2: The students presented the Seabees with hand woven baskets.

YAP CATHOLIC HIGH SCHOOL COMREL 01

Project Data

Project Scope: Moved and spread coral for walkways, dig ditches to control run off, and landscaping. Seabees spent three hours working with the children to improve the walkways and surrounding areas.

Personnel: 70 Personnel Assigned 10 NMCB 74 Seabees
60 Host Nation/Other

Duration: 07SEP2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74/Host Nation: 10/60

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: N/A
Total Project MD: 70

Material Cost: \$0

Cost Savings: N/A

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: UT3 Trump and UT3 Lampinen working on the road repairs with the villagers.

Photo 2: The Seabees and villagers in front of the traditional village community center.

TOMIL ROAD IMPROVEMENTS COMREL 02

Project Data

Project Scope: Moved and spread coral for main access road, dug ditches to control run off. The road is the only access to the remote village and one of the project sites. Most Yapese vehicles get stuck when the road becomes to muddy to travel. Improvements to the road will help make access easier for both the Seabees and Yapese nationals.

Personnel: 49 Personnel Assigned 9 NMCB 74 Seabees
40 Host Nation/Other

Duration: 22SEP2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74/Host Nation: 9/40

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: N/A
Total Project MD: 49

Material Cost: \$0

Cost Savings: N/A

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: ASDA student drives against the FEARLESS defense of CCAD FSM.

Photo 2: BU2 Katzenberger attempts to steal the ball from one of the students.

**SEVENTH DAY ADVENTIST SCHOOL SPORTS DAY
COMREL 03**

Project Data

Project Scope: Played basketball, tug-of-war, and interacted with the school students of Seventh Day Adventist. 6 seniors from this school regularly attend the ASVAB tutoring and invited the Seabees to participate in sports against the schools kids.

Personnel: 180 Personnel Assigned 10 NMCB 74 Seabees
170 Host Nation/Other

Duration: 12OCT2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 10

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: N/A
Total Project MD: 180

Material Cost: \$0

Cost Savings: N/A

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: CECA Brooker keeping order at the Toilet Paper Toss.

Photo 2: The canoe team paddles back to the pier after a hard fought race.

YAP CANOE FESTIVAL COMREL 04

Project Data

Project Scope: Set up a booth with two games, nail drive contest and the toilet paper toss and participated in the 500m canoe race. Yap Canoe Festival is a 3-day annual festival held in the fall celebrating the Yapese culture in sailing and canoeing. The booth also handed out Navy stickers and posters provided by Navy Recruiting Station Guam.

Personnel: 22 Personnel Assigned 22 NMCB 74 Seabees
0 Host Nation/Other

Duration: 09NOV2012 – 10NOV2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 60

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: N/A
Total Project MD: 60

Material Cost: \$0

Cost Savings: N/A

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: HMCS Corrao inspecting an open wound of a Yapese citizen.

Photo 2: HMCS Corrao checks on one of the Yapese patients.

**MEDICAL CAPABILITIES PROGRAM
CCAD FSM MEDCAP**

Project Data

Project Scope: Work weekly with Yap medical service to improve the preventative medicine knowledge and health service infrastructure.

Personnel: 1 Personnel Assigned 1 NMCB 74 Seabees
0 Host Nation/Other

Duration: 12OCT2012 – 23NOV2012

Mandays Expended: Previous Battalion: NEW START

NMCB 74: N/A

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: N/A
Total Project MD: N/A

Material Cost: N/A

Cost Savings: N/A

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.

CIVIC CONSTRUCTION ACTION DETAIL PHILIPPINES

FEARLESS 74's CCAD Philippines (CCAD PHL) deployed to the island of Palawan in direct support of PACOM regional objectives. FEARLESS 74 was the first battalion, since the closures of U.S. military bases in 1992, to send a detail for continued U.S. military presence outside of annual exercises support. CCAD PHL worked closely with Armed Forces Philippines (AFP) Western Command (WESCOM) and other DOD/DOJ organizations (to include Joint Inter-Agency Task Force-West (JIATF-W), International Criminal Investigative Training Assistance Program (ICITAP) and Regional Affairs) on the ground to program and maintain the mission.



CCAD PHL completed three major projects worth \$158,942 in support of local schools and education centers. The first project, at Barangay Bacungan National High School, consisted of renovating five classrooms with new concrete floors, two concrete columns, and roofing, complete with steel trusses, insulation and sheeting, windows, doors, CMU infill, drop ceilings and paint. FEARLESS 74 also built a ground up, 30'x30' 16 stall comfort room, 37 LF of new sidewalk, concrete stairs, and installed over 500 gallons worth of rainwater collection tanks. At about 75% complete, the crew split to begin construction at Barangay Mangingisda Elementary School for a ground up one classroom facility.



In early October, CCAD PHL supported PHIBLEX 13 and the associated planning efforts. Upon completion of PHIBLEX, work at Barangay Mangingisda was completed and work initiated in Barangay Macarascas.

The detail built both a prototype 45 cubic meter (approx. 11,000 gallon capacity) ferro-cement water storage tank and a step-by-step manual for future NCF/AFP construction efforts. Utilizing locally sourced materials, these tanks cost roughly 1/16th of the local price for ready-made polyethylene tanks utilized on previous projects, drastically reducing the cost of providing potable water storage. The use of locally procured materials was paramount to truly increasing Philippine workers capacity and capabilities.

The detail remained in the Barangay Macarascas area, after completing the water tank, providing local contract assistance and planning and estimating efforts for U.S. Regional Affairs on a Maritime Security project IVO Ulugan Bay. The project, to construct a coastal watch station (CWS) that will house an antenna farm and classified radar system on the Carlito Cunanan Naval Base, will be turned over to NMCB 5. Construction support will consist of a 60'x100' concrete pad and removal of 3,500 cubic yards of earth.

FEARLESS 74 Seabees coordinated two community relation events, four joint surveys in support of U.S. Marine Forces, Pacific (MARFORPAC), ICITAP, and Regional Affairs. Additional support was indirectly provided to the Maritime Philippine National Police (PNP), an ICITAP/JIATF-W funded program, through construction contract review and future work planning assistance.

The mission succeeded in enhancing the United States' relationship with local Filipinos and demonstrated the continued U.S. commitment to partnership building throughout the Pacific. Their work was paramount to the joint request from the Philippines and the Department of State (DOS) to the Commander, U.S. Pacific Fleet (PACFLT) for a more robust durational Seabee Detail, outside of exercises, in the Philippines.



CCAD PHL LABOR DISTRIBUTION SUMMARY

	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total
Direct Labor MDs	135	430	374	408	317	348	2,012	52%
Indirect Labor MDs	85	235	333	232	300	179	1,364	35%
Readiness/Training	75	86	87	78	119	72	517	13%
Total MDs Exp	295	751	794	718	736	599	3,893	100%
# of DL / IDL / OH	19	19	19	19	19	17	19	Avg/ WD
# Direct Labor	18	18	18	17	16	16	17	Avg/ WD
% Direct Labor	95%	95%	95%	89%	84%	94%	92%	
# of Workdays	11	25	23	24	23	22	128	
Ideal Capability	223	506	446	459	414	396	2467	
Availability Factor	94%	102%	99%	106%	105%	106%	102%	

LEVEL OF EFFORT TASKING SUMMARY

Project Number	Estimated Dur (Days)	Total Project Material Cost (\$)	Tasked (%)	Final Work in Place (%)	Mandays Expended
PHL12-001	56	69,580	0 – 100	100	790
PHL12-002	75	37,362	0 – 100	100	865
PHL12-003	21	12,000	0 – 100	100	316
Site Surveys	10	-	0 – 100	100	26
Total	-	158,942	-	-	2,012

CCAD PHL EQUIPMENT AND 3M SUMMARY

EQUIPMENT POPULATION

	BEEP	JUL	AUG	SEP	OCT	NOV	DEC	BEEP
In Inactive Equipment Management	0	0	0	0	0	0	0	0
In Active Service	6	6	6	6	6	6	6	6
Active CESE On Deadline	0	0	0	0	0	0	0	0
Automotive Equipment	0	0	0	0	0	0	0	0
Construction Equipment	0	0	0	0	0	0	0	0
Material Handling Equipment	0	0	0	0	0	0	0	0
Total Active CESE Available	6	6	6	6	6	6	6	6
% Active CESE Availability	100%	100%	100%	100%	100%	100%	100%	100%
CESE Processed through DRMO	0	0	0	0	0	0	0	0
Total CESE Managed	6	6	6	6	6	6	6	6



3M SUMMARY

Month	JUL	AUG	SEP	OCT	NOV	DEC	JAN	Total
SKED	5	9	12	8	10	6	0	55
Checks	5	9	10	8	10	0	0	47
RAR	100%	100%	83%	100%	100%	0%	-	85%
Spot Checks	0	0	2	2	1	0	0	5
UNSAT Checks	0	0	0	0	0	0	0	0
Partial Checks	0	0	0	0	0	0	0	0
ACF	100%	100%	100%	100%	100%	100%	-	100%
PPR	100%	100%	83%	100%	100%	0%	-	85%

Note: Based on all 3M Work Centers



Initial Site Conditions



Completed Project

**BACUNGAN NATIONAL HIGH SCHOOL RENOVATION
PHL12-001**

Project Data

Project Scope: Renovate (1) 7m x 16m two room masonry classroom, to include: demolition of existing wood trusses, corrugated metal roof, soffit, fascia, windows, doors, drop ceiling grid and cement floor. Install new prefabricated steel trusses, concrete columns, corrugated metal sheathing, gutter system, water harvesting system, metal doors, hardiflex drop ceiling, soffit and fascia. Construct a new 7m x 9m comfort room, which consists of concrete hollow blocks, footers, columns, steel trusses, corrugated metal roof and tapping into existing septic tank. Stucco and paint all structures to match existing buildings.

Location:	50P PR 8358158027	
Personnel:	20 Personnel Assigned	14 NMCB 74 Seabees 6 Host Nation/Other
Duration:	18JUL2012 – 27SEP2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	790/330
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	LOE
	Total Project MD:	1,120
Material Cost:	\$69,580	
Cost Savings:	\$392,000	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	



Initial Site Conditions



Completed Project

**MANGINGISDA ELEMENTARY SCHOOL ONE ROOM CLASSROOM
PHL12-002**

Project Data

Project Scope:	Construct a new 7m x 9m office space, which consists of concrete hollow blocks, footers, columns, steel trusses, corrugated metal roof and tapping into existing septic tank. Stucco and paint all structures to match existing buildings.		
Location:	50P PR 9112669507		
Personnel:	14	Personnel Assigned	12 NMCB 74 Seabees 2 Host Nation/Other
Duration:	21AUG2012 – 23NOV2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74:		865/159
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		LOE
	Total Project MD:		1,024
Material Cost:	\$37,362		
Cost Savings:	\$358,400		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



Initial Site Conditions



Project at Turnover

**MACARASCAS ELEMENTARY 45CZ FERRO-CEMENT WATER TANK
PHL12-003**

Project Data

Project Scope:	Construct new 45 cubic meter ferro-cement water storage tank for Macarascas Elementary School.		
Location:	50P PS 9673309788		
Personnel:	18	Personnel Assigned	15 NMCB 74 Seabees 3 Host Nation/Other
Duration:	03DEC2012 – 28DEC2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74:		316/63
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		LOE
	Total Project MD:		379
Material Cost:	\$12,000		
Cost Savings:	\$132,650		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



Photo 1



Photo 2

Photo 1: Detail personnel leading student through warm-ups.

Photo 2: Seabees and students participating in a soccer game.

**BACUNGAN NATIONAL HIGH SCHOOL
COMREL 1**

Project Data

Project Scope:	Coordinated a sports day with Bacungan National High School. July is fitness/eat healthy month making this a perfect fit for the students current curriculum. Teachers, students and parents alike came to witness and partake in the events. NMCB 74 donated (2) basketballs, (2) soccer balls and (1) Frisbee to the school's physical education class after the event was complete.		
Personnel:	200+ Personnel Assigned	18	NMCB 74 Seabees
		200	Host Nation/Other
Duration:	25JUL2012		
Mandays Expended:	Previous Battalion:	NEW START	
	NMCB 74/Host Nation:	18/200	
Tasking:	WIP at turnover:	0%	
	WIP at deployment completion:	100%	
	MD Tasked to NMCB 74:	N/A	
	Total Project MD:	218	
Material Cost:	\$0		
Cost Savings:	N/A		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



Photo 1



Photo 2

Photo 1: Group photo with students and faculty.

Photo 2: HM2 Green and UTCN Fickbohm pouring drinks at lunch for the children.

BAHAY NI NANAY ORPHANAGE COMREL 2

Project Data

Project Scope: Coordinated a luncheon/activity day ICW Bahay Ni Nanay Orphanage. The orphanage currently has 11 children ranging from 15 days to 18 years old, who have either been abandoned or abused. The children attend school during the week and are generally confined to the orphanage on weekends with little outside influence. NMCB 74 provided pizza and soda for lunch.

Personnel: 33 Personnel Assigned 18 NMCB 74 Seabees
15 Host Nation/Other

Duration: 07OCT2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74/Host Nation: 18

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: N/A
Total Project MD: 33

Material Cost: \$0

Cost Savings: N/A

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.

CIVIC CONSTRUCTION ACTION DETAIL TIMOR LESTE

FEARLESS 74's CCAD Timor Leste (CCAD TL) deployed to Camp Lenhoff, Dili in direct support of PACOM regional objectives. CCAD TL worked closely with the Office of Defense Coordination (ODC), the Timor Leste Department of Education and the Falintil-Forças de Defesa de Timor Leste (F-FDTL) to ensure a strengthened and improved Host Nation capacity and capability for Humanitarian Assistance and Disaster Recovery operations.



CCAD TL completed 2 major projects worth \$99,815 in support of local schools and education centers. The first project, a turnover project from NMCB FORTY at the 1,900 pupil Liquica Primary School, consisted of constructing a new 24' x 59' CMU block school building with cast in place concrete columns, 6' front covered walkway and steel truss roof system. The Alieu Kitchen project consisted of a 12ft x 12ft outdoor kitchen with a 6 inch concrete pad, 6 CMU columns, a 3 bay concrete stove, 2ft x 4ft concrete serving area, and a lean to roof, enhancing the food service ability for the local village.

CCAD TL turned over 1 project to NMCB 5. The Metinaro Primary School and Kitchen project involved the construction of a kitchen and school building. NMCB 74 completed the kitchen, a 12ft x 12ft outdoor kitchen with 6 inch concrete pad, 6 CMU block columns, a 3 bay concrete stove, 2ft x 4ft concrete serving ara and lean to roof. The school house portion of the project was turned over to NMCB 5.

CCAD TL enhanced the Australian's Defense Cooperation Program (DCP) to meet the strategic goals of PACOM. Averaging six Seabees per week over the deployment, CCAD TL taught 160 F-FDTL personnel basic electrical, equipment operations, fire-fighting, and welding skills in coordination with the DCP's "A" School equivalent. These courses are the foundation of the strategic goal to establish an F-FDTL engineer corps.



FEARLESS Seabees coordinated with USAID and the Rotary Club of Timor Leste to execute 2 community relations events, 1 discretionary project and 2 post-construction reassessments. The deployment was very successful and earned special mention in Ambassador Fergin's cable release for the NAVFAC Bairro Pite Primary School ribbon cutting.

CCAD TL LABOR DISTRIBUTION SUMMARY

	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total
Direct Labor MDs	100	272	256	232	208	215	1,283	48%
Indirect Labor MDs	66	208	253	141	240	144	1,052	39%
Readiness/Training	44	52	74	53	74	33	330	13%
Total MDs Exp	210	532	583	426	522	392	2,665	100%
# of DL / IDL / OH	25	25	23	23	25	25	25	Avg/ WD
# Direct Labor	19	19	17	18	19	19	19	Avg/ WD
% Direct Labor	76%	76%	74%	78%	76%	76%	76%	
# of Workdays	11	25	22	24	23	22	127	
Ideal Capability	235	534	421	486	492	470	2,654	
Availability Factor	61%	61%	78%	59%	57%	53%	61%	



LEVEL OF EFFORT TASKING SUMMARY

Project Number	Estimated Dur (Days)	Total Project Material Cost (\$)	Tasked (%)	Final Work in Place (%)	Mandays Expended
TL12-001	131	91,000	27 – 100	100	299
TL12-003	16	8,815	0 – 100	100	45
TL12-004	27	64,879	0 – 35	35	174
DCP Trng	98	75,000	0 – 100	100	654
OIC-D1	16	8,500	0 – 100	100	81
OIC-D2	8	8,500	0 – 100	100	30
Total	-	256,694	-	-	1,283

CCAD TL EQUIPMENT AND 3M SUMMARY

EQUIPMENT POPULATION

	BEEP	JUL	AUG	SEP	OCT	NOV	DEC	BEEP
In Inactive Equipment Management	0	0	0	0	0	0	0	0
In Active Service	15	15	15	15	15	15	15	15
Active CESE On Deadline	0	0	1	2	2	2	0	0
Automotive Equipment	0	0	1	1	1	1	0	0
Construction Equipment	0	0	0	1	1	1	0	0
Material Handling Equipment	0	0	0	0	0	0	0	0
Total Active CESE Available	15	15	14	13	13	13	15	15
% Active CESE Availability	100%	100%	93%	87%	87%	87%	100%	100%
CESE Processed through DRMO	0	0	0	0	0	0	0	0
Total CESE Managed	15	15	15	15	15	15	15	15

3M SUMMARY

Month	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	Total
SKED	-	42	40	38	76	48	69	-	313
Checks	-	42	40	38	76	48	69	-	313
RAR	-	100%	100%	100%	100%	100%	100%	-	100%
Spot Checks	-	4	4	4	5	4	3	-	24
UNSAT Checks	-	0	0	0	0	0	0	-	0
Partial Checks	-	0	0	0	0	0	0	-	0
ACF	-	100%	100%	100%	100%	100%	100%	-	100%
PPR	-	100%	100%	100%	100%	100%	100%	-	100%

Note: Based on all 3M Work Centers



Initial Site Conditions



Completed Project

**LIQUICA PRIMARY SCHOOL CONSTRUCTION COMORO, DILI
TL12-001**

Project Data

Project Scope: Construct new 24' x 59' CMU block school building with cast in place concrete columns and 6' front covered walkway. The new building will have 1 classroom measuring 24' x 50' (7.3M x 15.3M). The roof will be of steel truss design with steel sheeting color matched to adjacent school building, with a 2'6" (.8M) overhang without exterior finished soffits. The interior floors and exterior walkway will be smooth finished concrete and exterior walls will be in stucco finish and painted to match adjacent school building.

Location: 51L YL 5668949307

Personnel: 6 Personnel Assigned
4 NMCB 74 Seabees
2 Host Nation/Other

Duration: 15MAY2012 – 27OCT2012

Mandays Expended: Previous Battalion: 130
NMCB 74/Host Nation: 299/175

Tasking: WIP at turnover: 27%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 474

Material Cost: \$91,000

Cost Savings: \$165,900

Significant Safety Issues: None.

Significant QC Issues: Stucco finish was more course than desired due to using multiple vendors for fine grade sand.

Significant Design Issues: None. No official blueprints or specifications to follow, used design drafted by NMCB 40.

Significant Material Issues: Materials not priced in the FFP portion of the contract caused significant delays to work. Worked with NAVFAC to develop a smoother process.



Initial Site Conditions



Completed Project

**ALIEU KITCHEN PROJECT
TL12-003**

Project Data

Project Scope: Construct a 12'x12' outdoor kitchen with a 6" concrete pad, 6 CMU columns, a 3 bay concrete stove, 2'x4' concrete serving area, and a lean to roof. Back wall will be constructed of CMU block with a stucco finish.

Location:	51L YL 8893550780		
Personnel:	4	Personnel Assigned	3 NMCB 74 Seabees 1 Host Nation/Other
Duration:	01NOV2012 – 21NOV2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74/Host Nation:		45/12
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		LOE
	Total Project MD:		57
Material Cost:	\$8,815		
Cost Savings:	\$19,950		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



Initial Site Conditions



Completed Project

**METINARO PRIMARY REHAB AND 12’X12’ OUTDOOR KITCHEN
TL12-004**

Project Data

Project Scope: Construct a 12’X12’ outdoor kitchen with a 3-bay concrete stove. Columns and exterior walls will be of CMU block with a stucco finish. Roof will be a simple lean to design and contain one gutter to serve as water catchment system. Rehabilitation to existing school will include capping existing sidewalks and 2 of 4 classrooms with cast in place concrete. Repair and paint existing doors, replace windows using treated lumber and 2”x2” galvanized WWF. Demolish existing roof and replace with steel trusses and corrugated sheeting. Replace ceiling grid and panels using 2”x4” lumber and ½” plywood. Demolish electrical system and install outlets, switches, and lighting. School and kitchen will be painted to match other primary schools in the area.

Location:	51L ZL 0758058484	
Personnel:	7 Personnel Assigned	7 NMCB 74 Seabees
		0 Host Nation/Other
Duration:	26NOV2012 – Turnover Project	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	174
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	35%
	MD Tasked to NMCB 74:	LOE
	Total Project MD:	500
Material Cost:	\$64,879	
Cost Savings:	\$175,000	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	



Photo 1



Photo 2

Photo 1: BU3 Gilbert works with village locals installing formwork for a 4' x 4' concrete water tank.

Photo 2: Completed catch basin.

SOIBADA WATER SUPPLY PROJECT OIC-D1

Project Data

Project Scope: Construct new 4' x 4' concrete catch basin and repair or replace 1500M of water line and bury, in order to provide water to the entire village of Soibada, improving the quality of life and morale for over 2,000 people.

Location: 52L AR 7043731095

Personnel: 5 Personnel Assigned 5 NMCB 74 Seabees

Duration: 11SEP2012 – 01OCT2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 81

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 81

Material Cost: \$8,500

Cost Savings: \$28,350

Significant Safety Issues: The site was located on a steep incline with loose rock. Personnel conducted daily safety briefs and ensured safety was part of every evolution.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: UTCN Billings makes the last plumbing connection.

Photo 2: Installed solar power water heater system.

**HIAM HEALTH CLINIC SOLAR POWER WATER HEATER SYSTEM
OIC-D2**

Project Data

Project Scope: Install a 300 liter water tank and solar power components on roof of clinic in effort to produce a cost effective means of hot water.

Location: 51L YL 7992452203

Personnel: 4 Personnel Assigned 4 NMCB 74 Seabees

Duration: 29OCT2012 – 07NOV2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 30

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 30

Material Cost: \$8,500

Cost Savings: \$10,500

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: ASSERT Wheel Chair Facility recreation court.

Photo 2: Refurbished Wheel Chair Facility Recreation court.

ASSERT REHABILITATION CLINIC RECREATIONAL COURT COMREL 1

Project Data

Project Scope: Utilizing help from the Rotary Club of Timor Leste, 2 personnel improved the morale for a local Wheelchair/Rehabilitation center and a community of more than 400 people by constructing 2 basketball goals and 2 soccer goals.

Personnel: 2 Personnel Assigned 2 NMCB 74 Seabees

Duration: 12SEP2012 – 29SEP2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 17

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 17

Material Cost: \$400.00

Cost Savings: N/A

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: Rotary club of Timor Leste provided funding for material.



Photo 1



Photo 2

Photo 1: Muslim Community Center and Orphanage.

Photo 2: Residents enjoy improved lighting and ventilation.

ELECTRICAL REPAIR AND UPGRADES TO LOCAL ORPHANAGE COMREL 2

Project Data

Project Scope: Two personnel restored the electrical system at a Local Muslim Community Center, replaced electrical wire, installed new junction boxes, outlets, switches, fluorescent lights and ceiling fans throughout seven rooms. The work of these two Seabees benefitted five staff members and improved the quality of life for 80 residents (six years or younger).

Personnel: 2 Personnel Assigned 2 NMCB 74 Seabees

Duration: 10SEP2012 – 24SEP2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 24

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 24

Material Cost: \$0

Cost Savings: N/A

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



DETACHMENT AND DETAIL JOINT SPECIAL OPERATIONS TASK FORCE – PHILIPPINES (JSOTF-P)

Detachment JSOTF-P deployed under the Operational Control (OPCON) of JSOTF-P, until the end of fiscal year 2012, when OPCON was returned to FEARLESS 74 and the detail redeployed from the Joint Operations Area (JOA) to Camp Aguinaldo, in vicinity of Manila, Philippines.

While deployed to the JOA, in direct support of Operation Enduring Freedom providing operation and maintenance support to ten Liaison Coordinating Elements (LCE), Detachment JSOTF-P completed two tile placement projects, two electrical installation projects, a deck refurbishment project, and a laundry facility while also responding to numerous emergency service requests. At Camp Aguinaldo the Detail was responsible for constructing a Sensitive Compartmented Information Facility (SCIF) out of four standard shipping containers.

DETAIL JSOTF-P LABOR DISTRIBUTION SUMMARY

	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total
Direct Labor MDs	44	78	65	76	174	122	559	55.8%
Indirect Labor MDs	46	74	125	79	14	7	345	34.9%
Readiness/Training	2	20	13	19	27	12	93	9.3%
Total MDs Exp	92	172	203	174	215	141	997	100%
# of DL / IDL / OH	8	8	8	8	11	11	9	Avg/ WD
# Direct Labor	6	6	6	6	9	9	7	Avg/ WD
% Direct Labor	75%	75%	75%	75%	82%	82%	79%	
# of Workdays	11	25	22	24	23	22	127	
Ideal Capability	74	169	149	162	233	223	1,045	
Availability Factor	62%	58%	53%	59%	86%	60%	62%	

LEVEL OF EFFORT TASKING SUMMARY

Project Number	Estimated Dur (Days)	Total Project Material Cost (\$)	Tasked (%)	Final Work in Place (%)	Mandays Expended
JSP12-001	25	3,556	0 – 100	100	83
JSP12-002	16	4,949	0 – 100	100	49
JSP12-003	53	2,217	0 – 100	100	110
JSP12-004	51	1,532	0 – 100	100	155
JSP12-005	71	100,000	0 – 100	100	242
Total	-	112,254	-	-	545



Initial Site Conditions



Completed Building

**LCE HURRICANE DECK REFURBISHMENT PROJECT
JSP12-001**

Project Data

Project Scope: Remove weathered or rotten lumber decking and install 1200sq ft of new lumber upon the joists. The decking which requires work is between camp work spaces and berthing facilities. Phased work allowed for continuous operations.

Location: OPSEC

Personnel: 3 Personnel Assigned

Duration: 18JUL2012 – 17AUG2012

Mandays Expended: Previous Battalion: NEW START

NMCB 74: 83

Tasking: WIP at turnover: 0%

WIP at deployment completion: 100%

MD Tasked to NMCB 74: LOE

Total Project MD: 83

Material Cost: \$3,556

Cost Savings: \$29,050

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Initial Site Conditions



Completed Building

**LCE HURRICANE CONSTRUCT LAUNDRY FACILITY
JSP-002**

Project Data

Project Scope: Clear and grub area, survey site for post and beams for facility 2" x 6" decking, fabricate and sheath walls, install a 3' x 7' door along with 220v 2 wire on a 30A breaker with three outlets and one surface mounted two-bulb florescent light. Laminate floor with 12" x 12" VCT, install 1/2" PVC piping for hot and cold water lines along with a 2" drain.

Location: OPSEC

Personnel: 3 Personnel Assigned

Duration: 13AUG2012 – 31AUG2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 49

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 49

Material Cost: \$4,949

Cost Savings: \$17,150

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Initial Site Conditions



Completed Project

**CIVIC CENTER BUILDING TILE REPLACEMENT PROJECT
JSP12-003**

Project Data

Project Scope: Installation of 1200sqft of ceramic tile in one story building. Clean, make centerlines, apply thin-set and lay tile to floors and complete with grouting of all joints. Trim bottoms of all interior doors to fit with tile in place.

Location: OPSEC

Personnel: 2 Personnel Assigned

Duration: 25JUL2012 – 29SEP2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 110

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 110

Material Cost: \$2,217

Cost Savings: \$38,500

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Initial Site Conditions



Completed Project

**JSOTF-P TOC TILE PLACEMENT PROJECT
JSP12-004**

Project Data

Project Scope: Installation of 2000sqft of ceramic tile in a two story TOC. Clean, make centerlines, apply thin-set and lay tile to floors and complete with grouting of all joints. Trim bottoms of all interior doors to fit with tile in place.

Location: OPSEC

Personnel: 3 Personnel Assigned

Duration: 27JUL2012 – 29SEP2012

Mandays Expended: Previous Battalion: NEW START

NMCB 74: 155

Tasking: WIP at turnover: 0%

WIP at deployment completion: 100%

MD Tasked to NMCB 74: LOE

Total Project MD: 155

Material Cost: \$1,532

Cost Savings: \$54,250

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo Not Authorized

Photo Not Authorized

Initial Site Conditions

Completed Project

**JUSMAG SENSITIVE COMPARTMENTED INFORMATION FACILITY
JSP12-005**

Project Data

Project Scope: Construct a new office space. Building to include prefabricated steel truss roof and local roofing materials, metal wall studs, drywall, interior lighting, electrical outlets, split unit HVAC System and gutters. Prime and paint all interior and exterior surfaces of new building.

Location: OPSEC

Personnel: 4 Personnel Assigned

Duration: 01OCT2012 – 28DEC2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 242

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: LOE
Total Project MD: 242

Material Cost: \$100,000

Cost Savings: \$84,700

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



CONSTRUCTION READINESS OPERATIONS

MAINBODY OKINAWA

FEARLESS 74 deployed 168 Seabees to Camp Shields, Okinawa, Japan in support of Commander, Fleet Activities, Okinawa (CFAO), Commander, U.S. Forces Japan (CNFJ) and Commanding General, Third Marine Expeditionary Force (III MEF). Over the course of deployment, PGs increased the total number in Okinawa to 236. Mainbody managed and executed 4 tasked projects worth a combined \$1,758,200 while providing Pacific Command with a forward presence and response capacity for Major Contingency Operations and Humanitarian Aide/Disaster Recovery mission support.



Mainbody inherited two turnover projects from NMCB 40: JK07-843, Communications Pad as Site A and C and JK09-819, Tengan Pier Operations Building. JK07-843 was developed as a permanent platform for III MEF to conduct command and control exercises to ensure tactical readiness of the Marine Air-Ground Task Force (MAGTF). The project included the construction of 53m x 36m concrete pad at site A and a 49m x 31m pad at site C. Both pads included intricate electrical grounding systems, including perimeter lightning arrestors, equipment anchor points, power distribution system, and pad mounted transformers. The project was turned over to NMCB 5 at 65% WIP.

JK09-819, Tengan Pier Operations Building, was a project at the Tengan Pier Ammunition offload facility. The building would serve as a critical operations center capable of supporting ammunition offloads for U.S. Forces in Okinawa. The project included installation of two electric roll up doors, a forklift charging bay and a 53ft x 36ft maintenance area. Pier closures due to ammunition offloads, material deficiencies and quality control issues impeded the completion of the building which was turned over to NMCB 5 at 62% WIP.



FEARLESS 74 began two new start projects at White Beach Naval Facility on Okinawa: JK06-838, CTF 76 Warehouse, and JK10-820, Concrete Gazebo. JK06-838 included the construction of a 272 square meter reinforce CMU storage facility complete with office spaces, communication room, unisex restroom and kitchenette. This structure will provide additional storage and office spaces for Commander, CTF 76. The project was turned over to NMCB 5 at 2% WIP.

JK10-820, Concrete Gazebo, was planned and estimated by NMCB 74 personnel. Customer needs and material procurement issues caused delays to the planning phase but the tireless efforts of NMCB 74 personnel setup NMCB 5 to execute. Project was turned over at 4% WIP.

Mainbody also executed 865 mandays worth of discretionary and camp maintenance projects. Significant camp maintenance projects included renovation of office spaces in the Supply, Alfa Company and Headquarters buildings and the renovation of the iconic Seabee in front of the Headquarters building that suffered damage during Okinawa's active typhoon season.

Mainbody Okinawa coordinated three community relation events in support of the people of Okinawa and the Kadena Air Base community. NMCB 74 personnel provided support to Kadena residents by installing white boards at the local elementary schools and providing a Humvee and candy for the annual Trunk or Treat Halloween event. The Battalion also supported the Kadena Special Olympics, the largest Special Olympics outside the United States. The events promoted community relations and helped reinforce the United States' commitment to the people of Okinawa.



Mainbody Labor Distribution Summary

	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total
Direct Labor MDs	178	622	381	227	509	513	2,237	28%
Indirect Labor MDs	121	393	1,206	660	960	677	4,017	50%
Readiness/Training	69	164	172	600	446	299	1,750	22%
Total MDs Exp	368	1,179	1,759	1,487	1,812	1,399	8,004	100%
# of DL / IDL / OH	168	177	174	176	214	245	198	Avg/ WD
# Direct Labor	42	50	42	42	42	39	43	Avg/ WD
% Direct Labor	25%	28%	24%	24%	20%	16%	22%	
# of Workdays	11	25	22	24	23	22	127	
Ideal Capability	520	1406	1,040	1,134	1,087	965	6,187	
Availability Factor	48%	56%	53%	73%	78%	75%	64%	

PROJECT TASKING SUMMARY

Project Number	Total Project MDs	Total Project Material Cost (\$)	MDs Tasked	Tasked (%)	Final Work in Place (%)	Mandays Expended
JK06-838	2,522	550,000	66	0 – 2	2	62
JK07-843	2,312	595,000	492	46 – 73	65	532
JK09-819	1,258	620,074	122	57 – 67	62	132
JK10-820	248	143,964	84	0 – 34	4	11
JK12-319	1,000	-	1,000	0 – 100	100	865
Total	7,340	1,909,038	1764	-	-	1602

EQUIPMENT AND 3M SUMMARY

EQUIPMENT POPULATION

	BEEP	JUL	AUG	SEP	OCT	NOV	DEC	BEEP
In Inactive Equipment Management	238	238	226	226	226	238	207	207
In Active Service	117	117	127	127	127	131	162	162
Active CESE On Deadline	35	35	20	22	18	17	18	18
Automotive Equipment	22	22	12	12	12	12	11	11
Construction Equipment	11	11	6	8	4	3	5	5
Material Handling Equipment	2	2	2	2	2	2	2	2
Total Active CESE Available	320	320	333	331	335	352	351	351
% Active CESE Availability	90%	90%	95%	94%	95%	95%	95%	95%
CESE Processed through DRMO	0	0	1	0	0	0	0	0
Total CESE Managed	355	355	352	353	353	369	369	369



3M SUMMARY

Month	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	Total
SKED	88	1326	1451	1433	1405	1453	1818	47	9,021
Checks	88	1296	1429	1402	1227	1439	1751	46	8,678
RAR	100%	98%	98%	98%	87%	99%	96%	98%	96%
Spot Checks	18	29	33	49	41	35	28	2	235
UNSAT Checks	0	0	1	0	0	0	1	0	2
Partial Checks	0	0	0	0	0	0	0	0	0
ACF	100%	100%	97%	100%	100%	100%	96%	100%	99%
PPR	100%	98%	98%	98%	87%	99%	96%	98%	96%

Note: Based on all 3M Work Centers



Initial Site Conditions



Project at Turnover

**CONSTRUCT CTF76 WAREHOUSE WHITE BEACH
JK6-838**

Project Data

Project Scope: Build a 272 square meter reinforced CMU storage facility at White Beach Naval Station. The warehouse will include offices, telephone/ communication room, unisex toilet, and kitchenette. This project will serve as a warehouse and office facility for CTF76 command operations at White Beach.

Personnel:	11	Personnel Assigned
Duration:	04DEC2012 – Turnover Project	
Mandays Expended:	Previous Battalion:	0
	NMCB 74:	62
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	2%
	MD Tasked to NMCB 74:	66
	Total Project MD:	2522

Material Cost: \$550,000

Cost Savings: \$882,700

Significant Safety Issues: The combination of its location and the weather made this project site prone to washout creating additional concerns for the safety of personnel when moving in. Project location was next to drainage ditches, creating the potential of crew members falling in and injuring themselves. Jobsite is in close proximity to two other building which will have the potential to have underground cables that are unmarked.

Significant QC Issues: None.

Significant Design Issues: Building location is on the top of drainage ditches which would cause the ditch to be cut off and have the potential to flood the job site.

Significant Material Issues: None.



Project at turnover with NMCB 40



Project at Turnover with NMCB 5

**CONSTRUCT COMMUNICATIONS PAD SITE A&C AT CAMP COURTNEY
JK07-843**

Project Data

Project Scope: Remove existing concrete pads, walkways, sewer lines, light posts, and existing fence. Construct a 53m x 38m pad at site “A” and a 49m x31m pad at site “C” with a complex buried electrical grounding system which includes perimeter lightning arrestors, equipment anchor points, power distribution system, and pad mounted transformers.

Personnel: 12 Personnel Assigned
Duration: 21JUL2012 – Turnover Project
Mandays Expended: Previous Battalion: 1064
 NMCB 74: 532
Tasking: WIP at turnover: 46%
 WIP at deployment completion: 65%
 MD Tasked to NMCB 74: 492
 Total Project MD: 2312

Material Cost: \$595,000

Cost Savings: \$809,200

Significant Safety Issues: None.

Significant QC Issues: Requirements to ensure the lightning arrestors were properly grounded were extensive. Lightning arrestors installed via a separate contract because of the intricate requirements that NMCB 74 personnel were not familiar with.

Significant Design Issues: None.

Significant Material Issues: Lightning Arrestor contract was suspended due to conflicts with the Contractor in regards to dimensions of holes and scope of work. The conflict was resolved and funding was received to compensate for the additional contractor requirements.



Initial Site Conditions



Building at Turnover

**ORDNANCE OPERATIONS PEB AT TENGAN
JK09-819**

Project Data

Project Scope: Construct a 38' x 103' Pre-Engineered Building (PEB) with two electric roll up doors, a four forklift charging bay, a 53ft x 36ft maintenance area, an office space/conference room with communications lines, a unisex restroom and septic tank, and fire hydrant to include 500ft of replacement waterline.

Personnel: 7 Personnel Assigned

Duration: 21JUL2012 – Turnover Project

Mandays Expended: Previous Battalion: 794
NMCB 74: 132

Tasking: WIP at turnover: 57%
WIP at deployment completion: 62%
MD Tasked to NMCB 74: 122
Total Project MD: 1258

Material Cost: \$620,074

Cost Savings: \$440,300

Significant Safety Issues: Crew utilized proper fall protection while using scissor lifts during installation of materials and utilized backhoe for all trench work as shoring was not available to provide protection.

Significant QC Issues: Primer was utilized on roofing material to prevent material degradation. Panels for the building's exterior shell were installed incorrectly. 30 NCR approved plans and provided funding for replacement panels.

Significant Design Issues: Trench that contained water supply lines to the building had other unmarked utility lines. PWD provided approved plan to mitigate the issue and clear direction on how to proceed around existing utilities.

Significant Material Issues: The roll-up door motor, roof ridge cap and replacement panels significantly delayed the progress. ETA of these outstanding material was 15FEB2013



Initial Site Conditions



Initial Site Conditions

**CONSTRUCT CONCRETE GAZEBO WHITE BEACH
JK10-820**

Project Data

Project Scope: Construct 33ft X 39ft concrete gazebo with concrete counter. Place 63 CD of concrete for footers, grade beams, slab, columns, bond beams, roof, and counter. Paint Gazebo, install roof tiles, and landscape.

Personnel: 7 Personnel Assigned
Duration: 15NOV2012 – Turnover Project
Mandays Expended: Previous Battalion: 0
 NMCB 74: 11
Tasking: WIP at turnover: 0%
 WIP at deployment completion: 4%
 MD Tasked to NMCB 74: 84
 Total Project MD: 248

Material Cost: \$143,964

Cost Savings: \$86,800

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: Location of Gazebo was changed multiple times impacting planning and estimating efforts.

Significant Material Issues: The design called for materials that could not be procured locally causing significant project delays.



Photo 1



Photo 2

Photo 1: BUCA Webb and UT3 Clouser fix lighting fixtures on Camp Shields

Photo 2: Camp Maintenance removing damaged sections of ball field fence

CAMP SHIELD MAINTENANCE JK12-319

Project Data

Project Scope: Provide support for PACOM deployment, maintaining and operating 145 facilities and completing camp improvement projects on Camp Shields in Okinawa, Japan. Direct labor threshold not to exceed 1000 MDs without 30 NCR approvals.

Personnel:	10	Personnel Assigned
Duration:	21JUL2012 – 29DEC2012	
Mandays Expended:	Previous Battalion:	0
	NMCB 74:	865
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	1000
	Total Project MD:	1000
Material Cost:	\$0	
Cost Savings:	\$302,750	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	



Photo 1



Photo 2

Photo 1: CM2 Mark hangs white boards in a classroom.

Photo 2: FEARLESS 74 Seabees pose for a picture in front of the American Flag mural.

HANG WHITEBOARDS AT KADENA ELEMENTARY SCHOOL COMREL 1

Project Data

Project Scope: Seabees from NMCB 74 hung new white boards for Kadena Elementary School before fall classes commenced. These white boards upgraded the existing classrooms for Kadena Elementary School.

Personnel: 18 Personnel Assigned 18 NMCB 74 Seabees

Duration: 11AUG2012

Mandays Expended: Previous Battalion: NEW START

NMCB 74: N/A

Tasking: WIP at turnover: 0%

WIP at deployment completion: 100%

MD Tasked to NMCB 74: N/A

Total Project MD: N/A

Material Cost: \$0

Cost Savings: \$0

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: FEARLESS 74 Seabees sit on a Humvee and hand out candy to Okinawan children.

Photo 2: LS1 McClinton passes out candy to local children.

OKINAWA TRUNK OR TREAT CELEBRATION COMREL 2

Project Data

Project Scope: The Battalion conducted community outreach to the families in the community through the annual Kadena Halloween Trunk or Treat Halloween celebration. This event promoted the existence of the Seabees on Okinawa and promoted positive relations with the local population.

Personnel: 13 Personnel Assigned 13 NMCB 74 Seabees

Duration: 26OCT2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: N/A

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: N/A
Total Project MD: N/A

Material Cost: \$0

Cost Savings: \$0

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: LCDR Santiago congratulates one of the participants.

Photo 2: BUCN Trafton and HM2 Sanchez pose with their participants.

KADENA SPECIAL OLYMPICS COMREL 3

Project Data

Project Scope:	FEARLESS 74 participated in the 12th annual Kadena Special Olympics. The The Battalion raised a total of \$1631 for Special Olympics during the 24 hour Jog-O-Thon, provided set up support prior to the games and 56 “Huggers” for game day.		
Personnel:	68	Personnel Assigned	68 NMCB 74 Seabees
Duration:	17NOV2012		
Mandays Expended:	Previous Battalion:	NEW START	
	NMCB 74:	N/A	
Tasking:	WIP at turnover:	0%	
	WIP at deployment completion:	100%	
	MD Tasked to NMCB 74:	N/A	
	Total Project MD:	N/A	
Material Cost:	\$0		
Cost Savings:	\$0		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		

DETAIL CHINHAE

FEARLESS 74 deployed 15 Seabees to Chinhae, Korea in support of Commander Fleet Activities, Chinhae (CFAC) and Commander, Naval Forces Korea. Over the course of deployment, the Detail managed and executed 3 tasked projects, worth a combined \$795,802 while providing Pacific Command with a forward presence and response capacity for Major Contingency Operations or Humanitarian Aide/Disaster Recovery mission support.



Detail Chinhae completed 2 projects: KO09-847, Equipment Storage and Parking Area, KO10-860, Dry Storage PEB Dry Storage, in support of Commander, Fleet Activities Chinhae. KO10-860 included 3,333 square yards of parking surface with controlled access, hand rails and 200 yds of U-ditches, providing equipment storage and staging areas for joint military exercises between the US and Republic of Korea. The Detail also completed KO10-860, Dry Storage PEB, for Public Works Department at Commander Fleet Activities Chinhae. The project included construction of a 68ft x 25ft x 22ft Pre-Engineered Building, providing a material laydown and storage area for the public works department onboard CFAC.



The Detail also executed 89 mandays of Officer in Charge Discretionary projects worth \$26,512. Significant discretionary projects included the demolition and placement of 2000 LF of sidewalks and curbing throughout base housing, 80ft of concrete stairs and 104LF of curbing and guardrails at the base water tower.

Detail Chinhae coordinated 3 community relations events in support of Ai Kwang Won children’s orphanage along with activities in support of both military and local communities of the Republic of Korea. The events promoted a strong bond between the United States and the people of the Republic of Korea.

DETAIL CHINHAE LABOR DISTRIBUTION SUMMARY

	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total
Direct Labor MDs	30	110	112	127	147	115	641	35%
Indirect Labor MDs	45	151	253	149	165	183	946	51%
Readiness/Training	14	58	60	40	47	39	258	14%
Total MDs Exp	89	319	425	316	359	337	1845	100%
# of DL / IDL / OH	15	15	15	15	14	15	15	Avg/ WD
# Direct Labor	8	8	8	8	9	10	9	Avg/ WD
% Direct Labor	53%	53%	53%	53%	64%	67%	57%	
# of Workdays	11	25	22	24	23	22	127	
Ideal Capability	99	225	198	216	233	248	1,236	
Availability Factor	44%	75%	87%	77%	83%	62%	73%	



PROJECT TASKING SUMMARY

Project Number	Total Project MDs	Total Project Material Cost (\$)	MDs Tasked	Tasked (%)	Final Work in Place (%)	Mandays Expended
KO09-847	5,500	672,172	165	97 – 100	100	127
KO10-860	367	97,539	367	0 – 100	100	385
OIC-D1	225	26,512	225	0 – 100	100	89
Total	6092	796,223	757	-	-	601

DETAIL CHINHAЕ EQUIPMENT AND 3M SUMMARY

EQUIPMENT POPULATION

	BEEP	JUL	AUG	SEP	OCT	NOV	DEC	BEEP
In Inactive Equipment Management	0	0	0	0	0	0	0	0
In Active Service	16	16	16	16	16	16	16	16
Active CESE On Deadline	4	4	4	2	2	2	3	3
Automotive Equipment	1	1	1	0	0	0	0	0
Construction Equipment	3	3	3	2	2	2	3	3
Material Handling Equipment	0	0	0	0	0	0	0	0
Total Active CESE Available	12	12	12	14	14	14	13	13
% Active CESE Availability	75%	75%	75%	88%	88%	88%	81%	81%
CESE Processed through DRMO	0	0	0	0	0	0	0	0
Total CESE Managed	16	16	16	16	16	16	16	16

3M SUMMARY

Month	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	Total
SKED	154	81	51	88	146	103	109	-	732
Checks	154	81	51	88	146	103	109	-	732
RAR	100%	100%	100%	100%	100%	100%	100%	-	100%
Spot Checks	5	5	8	8	10	8	10	-	54
UNSAT Checks	0	0	0	0	0	0	0	-	0
Partial Checks	0	0	0	0	0	0	0	-	0
ACF	100%	100%	100%	100%	100%	100%	100%	-	100%
PPR	100%	100%	100%	100%	100%	100%	100%	-	100%

Note: Based on all 3M Work Centers



Project Overview



Completed Photo

**EQUIPMENT STORAGE AND PARKING AREA
KO09-847**

Project Data

Project Scope: Construct a 3,333 SY paved area with controlled fencing and vehicle access control to meet AT/FP requirements in order to support future staging of tactical vehicles and equipment during peninsula – wide exercises.

Personnel: 4 Personnel Assigned

Duration: 26OCT2012 – 15DEC2012

Mandays Expended: Previous Battalion: 5335
NMCB 74: 127

Tasking: WIP at turnover: 97%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: 165
Total Project MD: 5500

Material Cost: \$672,172

Cost Savings: \$1,925,000

Significant Safety Issues: Handrails were installed with the use of a man lift. All personnel were required to wear fall protection when installing U-ditches.

Significant QC Issues: No compaction test required for placement of U-ditches. Rework of installed U-ditches was required due to settling.

Significant Design Issues: None.

Significant Material Issues: None.



Initial Site Conditions



Completed Building

**CONSTRUCT DRY STORAGE PEB FOR PUBLIC WORKS
KO10-860**

Project Data

Project Scope:	Construct new Pre-engineered building (L20.8M x W7.6M x H6.5M) on newly installed concrete footing according to the manufacturers application in building.		
Personnel:	6	Personnel Assigned	
Duration:	23JUL2012 – 17OCT2012		
Mandays Expended:	Previous Battalion:	NEW START	
	NMCB 74:	385	
Tasking:	WIP at turnover:	0%	
	WIP at deployment completion:	100%	
	MD Tasked to NMCB 74:	367	
	Total Project MD:	367	
Material Cost:	\$97,539		
Cost Savings:	\$128,450		
Significant Safety Issues:	Project site in high foot traffic area. Project Safety cordoned off pathway for safe travel and provide escort when necessary. General safety brief was giving to the CFAC shop Foreman's to ensure PW crew was aware of the restrictions.		
Significant QC Issues:	Compaction test takes approximately 14 days for results.		
Significant Design Issues:	An additional three grade beams were added to design along with the relocation two pedestals. The design change required increase in material and construction activity summary sheet man-days by 20%.		
Significant Material Issues:	PEB manufacture scope of work varied from PRECON commitment.		



Photo 1



Photo 2

Photo 1: Intial project site before construction begins.

Photo 2: Completed sidewalk and stairs

CONSTRUCT SIDEWALKS AND CURBING IN BASE HOUSING OIC-D1

Project Data

Project Scope: Demo and place 2000 LF of sidewalks and curbing throughout base housing; place 166 LF of sidewalks, 80 feet of concrete stairs with handrails, and 32 LF of concrete curbing at ball field; Install 72 LF of concrete curbing and guardrail at water towers.

Personnel: 3 Personnel Assigned

Duration: 19NOV2012 – 29DEC2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 89

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: 225
Total Project MD: 225

Material Cost: \$26,512

Cost Savings: \$78,750

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: Worked with QAE and PW Engineering for design changes via RFI's and FAR's.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: EOC Oelke offers photo opportunities with the excavator.

Photo 2: EOC Oelke and EO2 Avery explain the operation and function of the excavator, grader and roller to children from Changdeok Middle School.

STATIC DISPLAY FOR CAREER DAY COMREL 1

Project Data

Project Scope:	FEARLESS 74 Seabees set up a static display for the junior high school Career Day, an event designed to help teach middle school children English, as well as different jobs and missions of the US Navy. Equipment was staged with the appropriate Seabee rates teaching the children the names and uses for the tools.		
Personnel:	5	Personnel Assigned	5 NMCB 74 Seabees 200 Host Nation/Other
Duration:	24JUL2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74/Host Nation:		5/200
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		N/A
	Total Project MD:		205
Material Cost:	\$0		
Cost Savings:	N/A		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



Photo 1



Photo 2

Photo 1: UT1 Stilianos and BU2 Jorgensen recording measurements with help of a resident at the Ai Kwang Orphanage

Photo 2: UT1 Stilianos and BU2 Jorgensen posing with Mrs. Woojung Lee, the Executive Director of the Orphanage, and her staff.

**AI KWANG WON ORPHANAGE
COMREL 2**

Project Data

Project Scope: FEARLESS 74 visited Ai Kwang Won orphanage for the physically and mentally handicapped, home to over 300 children. This has been an ongoing event with the US Navy, especially the Seabees, since the Korean War. The detail replaced bathroom partitions, doors and repaired/painted cracked walls.

Personnel: 2 Personnel Assigned 2 NMCB 74 Seabees

Duration: 28JUL2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 2

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: N/A
Total Project MD: 2

Material Cost: \$0

Cost Savings: N/A

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: BU2 Comerford acts as security detail for the MWR sponsored event.

Photo 2: SW3 Peters, SW3 Perrigin and UT3 Moore hard at work breaking down equipment.

MWR HOLIDAZE CIRQUES COMREL 3

Project Data

Project Scope: Detail Chinhae provided set up support, security and rigging support to the MWR presentation of Hoildaze Cirques. This was the largest event CFAC MWR has coordinated and included multiple acts, including aerial displays. Over 4000 ROK Navy, US Navy and local civilians attended the event.

Personnel: 8 Personnel Assigned 8 NMCB 74 Seabees

Duration: 22DEC2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 8

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: N/A
Total Project MD: 8

Material Cost: \$0

Cost Savings: N/A

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.

DETAIL DIEGO GARCIA

FEARLESS 74 deployed 21 Seabees to Diego Garcia in support of Naval Support Facility (NSF), British Indian Ocean Territory. Over the course of deployment, the Detail managed and executed 3 tasked projects, worth a combined \$1,259,550, while providing Pacific Command with a forward presence and response capacity for Major Contingency Operations or Humanitarian Aide/Disaster Recovery mission support.



Detail Diego Garcia completed 1 project: DG10-805, Contractor Living Unit #5, a 3,000 square foot modified SWAHUT consisting of 16 rooms with shared bathrooms, common area, kitchen and laundry. The project supported NSF, British Indian Ocean Territory by providing living quarters for up to 16 contractors located on Diego Garcia. The new building replaced the substandard living quarters, greatly improving the efficiency and living conditions of facility and service support workforce personnel.

Detail Diego Garcia will turn over 1 project: DG10-809, Ships Store Addition, a CMU block storage addition complete with HVAC, fire alarm system and utilities. This project will greatly enhance the storage capacity of the ship store and will be turned over to NMCB 5 at 35% WIP.



The Detail also executed 80 mandays worth of discretionary projects including a deck at the Weapons department, a deck at the Britt Club, and a wall divider and wall cap at the CPO Mess.

Detail Diego Garcia coordinated two community relations events in support of Naval Support Facility Diego Garcia. Volunteers supported the NSF Diego Garcia environmental department and a British research team in measuring, tagging, and counting endangered sea turtles. The experience was a great chance to contribute to the conservation of the species and build international working relationships. Detail Diego Garcia also sponsored a MWR

sand castle construction competition, coordinating the event, providing props and judges and supporting a quality community event bringing military and civilians together while spreading the Seabee legacy.

DETAIL DIEGO GARCIA LABOR DISTRIBUTION SUMMARY

	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total
Direct Labor MDs	91	220	277	258	278	171	1,295	66%
Indirect Labor MDs	31	71	103	85	139	104	533	27%
Readiness/Training	15	33	23	15	37	16	139	7%
Total MDs Exp	137	324	403	358	454	291	1,967	100%
# of DL / IDL / OH	19	21	20	20	20	18	20	Avg/ WD
# Direct Labor	14	14	14	14	14	14	14	Avg/ WD
% Direct Labor	74%	67%	70%	70%	70%	78%	71%	
# of Workdays	11	25	22	24	23	22	127	
Ideal Capability	173	394	347	378	362	347	2,000	
Availability Factor	61%	64%	87%	72%	87%	54%	72%	



PROJECT TASKING SUMMARY

Project Number	Total Project MDs	Total Project Material Cost (\$)	MDs Tasked	Tasked (%)	Final Work in Place (%)	Mandays Expended
DG10-805	1,804	619,550	1,027	42 – 100	100	974
DG10-809	704	640,000	200	0 – 35	28	221
OIC-D1	10	-	10	0 – 100	100	10
OIC-D2	20	-	20	0 – 100	100	20
OIC-D3	20	-	20	0 – 100	100	20
OIC-D4	20	-	20	0 – 100	100	20
Total	2,578	1,259,550	1,297	-	-	1,265



Initial Project Photo



Completed Project

**CONSTRUCT CONTRACTOR LIVING UNIT #5
DG10-805**

Project Data

Project Scope: Construct a 16-room, 3,000 square foot modified SEA hut with a concrete pad that will provide the base for metal wall studs and wooden trusses with metal roof panels and siding with eight shared bathrooms, a common area, kitchen and laundry room.

Personnel: 8 Personnel Assigned 8 NMCB 74 Seabees

Duration: 21JUL2012 – 29DEC2012

Mandays Expended: Previous Battalion: 777
NMCB 74: 974

Tasking: WIP at turnover: 42%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: 1,027
Total Project MD: 1,804

Material Cost: \$619,550

Cost Savings: 631,400

Significant Safety Issues: With the increase of temperature, the interior of building temperature increased; ensured crew took adequate breaks.

Significant QC Issues: Roof Panels and ridge caps were not the same material, ridges were not lining up, and crew had to adjust in order to make the ridge caps line up with sheets.

Significant Design Issues: The Public Works Department did not implement corrections made to the prints to reflect the FARs from Contractor Living Unit #4. All FARs had to be resubmitted. Additionally, the prints did not reflect many of the underground utilities discovered during excavation.

Significant Material Issues: None.



Initial Site Conditions



Site Conditions at turnover with NMCB 5

**CONSTRUCT SHIP STORE STOCK ROOM
DG10-809**

Project Data

Project Scope:	Construct concrete roof, CMU walls, footings and columns complete with built up roof, fire protection system, electrical and mechanical components.		
Personnel:	5	Personnel Assigned	5 NMCB 74 Seabees
Duration:	22OCT2012 – 29DEC2012		
Mandays Expended:	Previous Battalion:	NEW START	
	NMCB 74:	221	
Tasking:	WIP at turnover:	0%	
	WIP at deployment completion:	28%	
	MD Tasked to NMCB 74:	200	
	Total Project MD:	704	
Material Cost:	\$640,000		
Cost Savings:	\$246,400		
Significant Safety Issues:	Work on open trenches as well as building up the form work for the roof and columns created the potential for falling or items falling on personnel. Monitored scaffolding erection and implemented fall protection while assembling form work for the roof and columns to mitigate risk		
Significant QC Issues:	The BOS contractor, DG21, had a hard time reaching compaction for the footers. Alternative design requirements were considered and implemented to pour the concrete footers.		
Significant Design Issues:	When conducting the excavation for footers, DG21 ran into unexpected utility pipes, including one that contained asbestos.		
Significant Material Issues:	Long lead items took about 3-6 months to arrive. BOS contractors received materials but NMCB personnel were required to account for all material since it was kept in NMCB 74's warehouse. Caused accountability issues.		



Photo 1



Photo 2

Photo 1: Initial condition of deck before demolition.

Photo 2: SW3 Baker poses on the completed deck.

WEAPONS DEPARTMENT SMOKE DECK OIC-D1

Project Data

Project Scope: Demolish existing smoke deck and install new 24 ft x 20ft deck at the Weapons Department.

Personnel: 3 Personnel Assigned 3 NMCB 74 Seabees

Duration: 27AUG2012 – 29AUG2012

Mandays Expended: Previous Battalion: NEW START

NMCB 74: 10

Tasking: WIP at turnover: 0%

WIP at deployment completion: 100%

MD Tasked to NMCB 74: 10

Total Project MD: 10

Material Cost: \$0

Cost Savings: \$3,500

Significant Safety Issues: Due to frequent rainfall, extra care was taken to ensure GFCI was utilized for power tools.

Significant QC Issues: Ensured that deck would be level and ensured treated wood was used.

Significant Design Issues: None.

Significant Material Issues: All materials were acquired from DRMO.



Photo 1



Photo 2

Photo 1: BU3 Ray inspects the final wall cap.

Photo 2: Diego Garcia Chief's leave their mark on the addition to the CPO Mess

WALL CAP IN CPO MESS OIC-D2

Project Data

Project Scope:	Core fill CMU wall and cap in CPO club.		
Personnel:	7	Personnel Assigned	7 NMCB 74 Seabees
Duration:	27AUG2012 – 29AUG2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74:		20
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		20
	Total Project MD:		20
Material Cost:	\$0		
Cost Savings:	\$7,000		
Significant Safety Issues:	The use of proper PPE was enforced during construction.		
Significant QC Issues:	Ensured a smooth finish on concrete.		
Significant Design Issues:	None.		
Significant Material Issues:	All materials were acquired from PWD.		



Photo 1

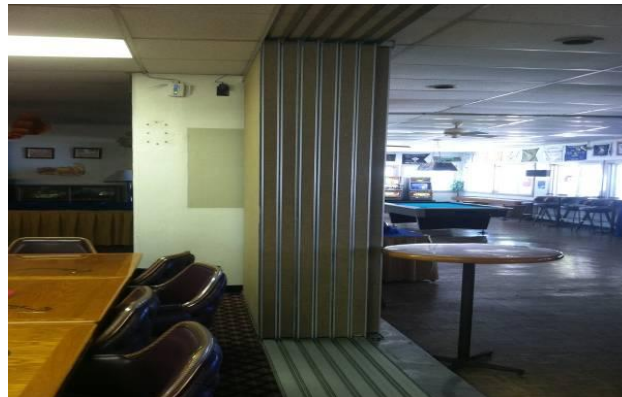


Photo 2

Photo 1: Installation of roof tracks for wall dividers complete.

Photo 2: Completed installation of mobile dividers.

WALL DIVIDER IN CPO MESS OIC-D3

Project Data

Project Scope:	Install prefabricated mobile divider wall in CPO club in order to facilitate club subdivision for training and event hosting.		
Personnel:	5	Personnel Assigned	5 NMCB 74 Seabees
Duration:	13NOV2012 – 16NOV2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74:		20
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		20
	Total Project MD:		20
Material Cost:	\$0		
Cost Savings:	\$7,000		
Significant Safety Issues:	Proper ladder safety was enforced in construction of the wall.		
Significant QC Issues:	Proper alignment of ceiling and floor tracks for the door was a major focus.		
Significant Design Issues:	None.		
Significant Material Issues:	All materials were acquired from PWD.		



Photo 1



Photo 2

Photo 1: Substructure of the Brit Club deck after demolishing the rotten decking.

Photo 2: Detail Diego Garcia Seabees prepare to put the finishing touches on the Brit Club deck. The British flag design can be seen in the middle of the deck.

**BRIT CLUB DECK
OIC-D4**

Project Data

Project Scope:	Replace existing wood deck with new one due it being a safety hazard for personal.		
Personnel:	5	Personnel Assigned	5 NMCB 74 Seabees
Duration:	30OCT2012 – 02NOV2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74:		20
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		20
	Total Project MD:		20
Material Cost:	\$0		
Cost Savings:	\$7,000		
Significant Safety Issues:	Proper PPE was utilized especially during demolition of the existing deck. The existing deck was rotting and had many protruding rusted bolts and nails.		
Significant QC Issues:	Ensuring that deck would be leveled and all deck planking had sufficient nailing to avoid warping.		
Significant Design Issues:	None.		
Significant Material Issues:	All materials were acquired from PWD.		



Photo 1



Photo 2

Photo 1: BU3 Gutschmidt holds a baby sea turtle.

Photo 2: The Detail has a BBQ with the British Research team after a long days work.

SEA TURTLE STUDY AND RESUCE COMREL 1

Project Data

Project Scope: Volunteers supported the Naval Support Facility Diego Garcia environmental department and a British research team in measuring, tagging, and counting endangered sea turtles. The experience was a great chance to contribute to the conservation of the species as well as build international working relationships.

Personnel:	5	Personnel Assigned
Duration:	13OCT2012 – 18OCT2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	25
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	25
	Total Project MD:	25
Material Cost:	\$0	
Cost Savings:	N/A	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	



Photo 1



Photo 2

Photo 1: UT3 Wilbourn and LTJG Dreyer in the wheel barrow race.

Photo 2: The winning sand castle of the MWR competition.

MWR SAND CASTLE CONSTRUCTION COMPETITION COMREL 2

Project Data

Project Scope: Detail Diego Garcia sponsored a MWR sand castle construction competition, coordinating the event, providing props and judges and supporting a quality community event bringing military and civilians together while spreading the Seabee legacy.

Personnel:	12	Personnel Assigned
Duration:	29DEC2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	12
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	12
	Total Project MD:	12
Material Cost:	\$0	
Cost Savings:	N/A	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	

DETAIL GUAM

FEARLESS 74 deployed 153 Seabees to Guam in support of Naval Base Guam and NMCB 74 Theater Security Cooperation missions throughout Oceania and Southeast Asia. Over the course of deployment the Detail managed and executed 8 tasked projects, worth a combined \$1,617,187 while providing Pacific Command with a forward presence and response capacity for Major Contingency Operations or Humanitarian Aide/Disaster Recovery mission support.



Detail Guam completed 4 projects: GM09-868, Medical Facility at Camp Covington, and GM10-871, Softball Head Facility, GM12-418, Orote Point Mineral Products and GM10-419, Orote Point Maintenance in support of Naval Base Guam and outlying details. GM09-868, Medical Facility at Camp Covington, involved the construction of a 34ft x 58ft facility with concrete footers, slab on grade and 12ft high CMU walls. The project greatly enhanced the ability for deployed battalions to provide routine medical care to assigned personnel. GM10-871, Softball Head Facility, provided a new restroom facility at the softball fields for the tenants of Camp Covington. The project involved a 25ft x 30ft head facility with concrete footers, slab on grade and cast in place roof system supported by CMU walls. GM12-418, Orote Point Mineral Products, and GM10-419, Orote Point Maintenance, were quarry operations executed by Detail Guam. The Detail conducted three blasts totaling 1400lbs of explosives resulting in 10,000 cubic yards of crushed material for Construction Readiness Operations and emergent tasking fill material production. The quarry operations ceased with the turnover to the 84th Engineering Battalion.



Detail Guam turned over 2 projects to the 84th Engineering Battalion: GM10-874, Communication Shelter Expansion, GM10-808, Polaris Point Water Tanker Storage Facility. The 84th Engineering Battalion is the first Army unit to relieve a NMCB battalion in the PACOM AOR.

GM10-874, Communications Shelter Expansion, is a 51ft x 30ft CMU block wall expansion to the existing communications building on Camp Covington. The project increased the ability to conduct maintenance on communication assets stored in the adjacent building. The project was turned over at 88% WIP. GM10-808, Polaris Point Water Tanker Storage Facility,

involved the construction of a 56ft x 50ft reinforced concrete building that will provide storage to water tanker trailers and water polishing equipment that provide demineralized pure water to Submarine Squadron 15. The completion of this project further promotes relationship between the Navy and Army working on the island.

Detail Guam executed one Officer in Charge Discretionary project: GM12-510, Steel Range Berm and 852 Mandays of camp maintenance. GM12-510 Steel Range Berm involved the erection of two 18ft berms and repair of an existing 16ft berm. The project greatly enhanced Naval Base Guam's training capacity, allowing simultaneous live fire on adjacent small arms ranges. Camp maintenance projects included 10 sidewalk replacement projects and a Camp Czar Generator Back Up Power project.

Detail Guam coordinated 5 community relation events, in support of ROTC and the Naval Base Guam community. The events included volunteer efforts to promote a healthy and safe community by participating in grounds clean up, providing critical equipment and personnel for holiday hayrides and triathlon monitors. These event promoted Detail Guam's commitment to the community and helped reinforce the Seabee legacy in Guam.



DETAIL GUAM LABOR DISTRIBUTION SUMMARY

	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total
Direct Labor MDs	314	960	979	597	741	741	4,332	66%
Indirect Labor MDs	127	257	217	254	245	338	1,438	22%
Readiness/Training	33	140	77	317	139	109	815	12%
Total MDs Exp	474	1357	1273	1168	1125	1188	6,585	100%
# of DL / IDL / OH	132	152	129	134	124	139	136	Avg/ WD
# Direct Labor	60	60	45	49	47	52	52	Avg/ WD
% Direct Labor	45%	39%	35%	37%	38%	37%	38%	
# of Workdays	11	25	22	24	23	22	127	
Ideal Capability	743	1688	1114	1323	1216	1287	7,456	
Availability Factor	47%	65%	95%	69%	72%	66%	69%	

PROJECT TASKING SUMMARY

Project Number	Total Project MDs	Total Project Material Cost (\$)	MDs Tasked	Tasked (%)	Final Work in Place (%)	Mandays Expended
GM09-868	3,302	687,669	513	84 – 100	100	601
GM10-871	1,365	278,100	225	84 – 100	100	209
GM10-874	536	176,843	536	0 – 100	88	624
GM11-808	1,543	474,575	694	0 – 43	35	571
GM12-319	806	-	1,450	0 – 100	100	806
GM12-418	459	-	900	0 – 100	100	459
GM12-419	287	-	700	0 – 100	100	287
OIC-D1	133	-	133	0 – 100	100	133
Total	8,431	1,617,187	5,151	-	-	3,690

DETAIL GUAM EQUIPMENT AND 3M SUMMARY

EQUIPMENT POPULATION

	BEEP	JUL	AUG	SEP	OCT	NOV	DEC	BEEP
In Inactive Equipment Management	191	191	183	183	185	187	187	187
In Active Service	155	155	158	148	146	143	142	142
Active CESE On Deadline	13	13	17	14	17	17	16	16
Automotive Equipment	3	3	12	12	12	12	11	11
Construction Equipment	8	8	5	2	5	5	3	3
Material Handling Equipment	2	2	0	0	0	0	2	2
Total Active CESE Available	333	333	324	317	314	313	313	313
% Active CESE Availability	96%	96%	97%	97%	95%	95%	95%	95%
CESE Processed through DRMO	0	0	6	3	0	1	1	0
Total CESE Managed	346	346	335	328	331	329	328	329



3M SUMMARY

Month	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	Total
SKED	1165	1005	1434	1123	1218	1369	1131	14	8459
Checks	1161	1005	1434	1123	1218	1369	1130	14	8454
RAR	100%	100%	100%	100%	100%	100%	100%	100%	100%
Spot Checks	40	30	40	32	39	29	22	1	233
UNSAT Checks	0	0	1	1	0	1	0	0	3
Partial Checks	0	0	0	0	0	0	0	0	0
ACF	100%	100%	98%	97%	100%	97%	100%	100%	99%
PPR	99.1%	100%	100%	100%	100%	100%	99.9%	100%	100%

Note: Based on all 3M Work Centers



Initial Site Conditions



Completed Building

**CAMP COVINGTON MEDICAL FACILITY
GM09-868**

Project Data

Project Scope: Construct a 34'x 58' medical facility adjacent to BLDG 528. Construction includes concrete footers, slab-on-grade and 12' high CMU walls. Install seven exterior windows and four exterior doors. Install ceramic tile and vinyl flooring with flat cove base to match. Install prefabricated counters and cabinets, sinks, toilets, urinals, and finish accessories in bathroom.

Personnel:	12	Personnel Assigned
Duration:	16AUG2012 – 29DEC2012	
Mandays Expended:	Previous Battalion:	2789
	NMCB 74:	601
Tasking:	WIP at turnover:	84%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	513
	Total Project MD:	3302

Material Cost: \$687,669

Cost Savings: \$1,155,700

Significant Safety Issues: None.

Significant QC Issues: The underground utility pipes did not pass pressure tests and the concrete pads were removed in order to find the problem.

Significant Design Issues: Transformer was not part of the original design and was required to be purchased separately by 30 NCR to enable the facility to be fully functional.

Significant Material Issues: Material was slow to arrive and in no particular order.



Softball Field Head Facility



BUCN Burgos cleaning ceramic tiles

**CAMP COVINGTON SOFTBALL HEAD FACILITY
GM10-871**

Project Data

Project Scope: Construct a 25' x 30' head facility adjacent to the Camp Covington Softball Field. Construct concrete footers, slab-on grade and a cast - in- place concrete roof system supported by CMU walls. Male and female heads will have ADA accessible fixtures, sinks and stalls with toilets and/or urinals. Finished floor and wainscot will be ceramic tile. Install lighting, water and sewer lines. Call for work: 600 MDs and original EAC: \$271,000.

Personnel:	8	Personnel Assigned
Duration:	19JUL2012 – 24AUG2012	
Mandays Expended:	Previous Battalion:	1140
	NMCB 74:	209
Tasking:	WIP at turnover:	84%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	225
	Total Project MD:	1365
Material Cost:	\$278,100	
Cost Savings:	\$477,750	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	Material was slow to arrive and in no particular order.	



Initial Site Conditions



Building at Turnover

**CAMP COVINGTON COMMUNICATIONS SHELTER EXPANSION
GM10-874**

Project Data

Project Scope: Construct a 50' 4" X 29' 10" Communication Shelter expansion including the demolition of existing asphalt and the installation of six 12' columns, three sheer walls, a nine course CMU block wall and concrete roof slab.

Personnel: 6 Personnel Assigned

Duration: 01AUG2012 – 07NOV2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 624

Tasking: WIP at turnover: 0%
WIP at deployment completion: 88%
MD Tasked to NMCB 74: 536
Total Project MD: 536

Material Cost: \$176,843

Cost Savings: \$187,600

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: EIFS contractor was scheduled to be onsite 03JAN13 to begin work. Exhaust fan for restroom won't arrive until 18JAN13 all other reaming work and contracts have been executed.



Initial Site Conditions



Project at Turnover

**POLARIS POINT WATER TANKER STORAGE FACILITY
GM11-808**

Project Data

Project Scope: Construct a 56'(W) x 50'(L) reinforced concrete building to store two (2) pure water tanker trailers and three (3) units pieces of water polishing equipments to the south of the existing De-mineralized Water Plant (BLDG 4907) at Polaris Point, Guam. Occupancy of the building will be no more than 11 people and will include electrical and telecommunication hookups.

Personnel:	8	Personnel Assigned
Duration:	19JUL2012 – 29DEC2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	571
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	35%
	MD Tasked to NMCB 74:	694
	Total Project MD:	1543
Material Cost:	\$474,575	
Cost Savings:	\$540,050	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	Material was slow to arrive and in no particular order.	



Initial Site Conditions



Completed Building

**CAMP MAINTENANCE
GM12-319**

Project Data

Project Scope: Support 30 NCR Camp Czar with maintainence of facilities and complete camp improvements. Tasking should not exceed 1,450 MD.

Personnel: 9 Personnel Assigned

Duration: 18JUL2012 – 29DEC2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 806

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: 1450
Total Project MD: 1450

Material Cost: \$0

Cost Savings: \$282,100

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Orote Point Mineral Products
EO3 Barrows loading material on a 40T
Dump Truck



**OROTE POINT MINERAL PRODUCTS
GM12-418**

Project Data

Project Scope: Produce enough crushed rock to support NMCB 74 project demands and a 60 day supply at turnover.

Personnel: 6 Personnel Assigned

Duration: 19JUL2012 – 29DEC2012

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 459

Tasking: WIP at turnover: 0%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: 900
Total Project MD: 459

Material Cost: \$0

Cost Savings: \$160,650

Significant Safety Issues: Falling hazards (falling debris and falling) and equipment operations associated with work on the quarry benches and during crushing operations presented the most significant safety risks. Proper PPE to include respirators during crushing operations, fall protecting while operating the rock drills and crusher and seat belts during all equipment operations.

Significant QC Issues: Primary crushing operations required a 2:1 work-to-maintenance ratio to ensure equipment remained safe and effective.

Significant Design Issues: None.

Significant Material Issues: No major issues with actual material production. Per direction from 1 NCD, 30 NCR terminated blasting operations at the Orote Point Quarry after the 26SEP2012 blast. Quarry equipment was sent to Port Hueneme, CA for development of future mineral production sites and prepared for disposition to DRMO in Guam in accordance with 31st SRG and 30 NCR directions.



Initial Site Conditions



EO3 Lawrence operating an excavator

**OROTE POINT MAINTENANCE
GM12-419**

Project Data

Project Scope:	Grade and maintain the Orote Point Quarry site and perform continuous maintenance on the quarry equipment.		
Personnel:	4	Personnel Assigned	
Duration:	19JUL2012 – 29DEC2012		
Mandays Expended:	Previous Battalion:	NEW START	
	NMCB 74:	287	
Tasking:	WIP at turnover:	0%	
	WIP at deployment completion:	100%	
	MD Tasked to NMCB 74:	700	
	Total Project MD:	287	
Material Cost:	\$0		
Cost Savings:	\$100,450		
Significant Safety Issues:	Strictly complied with Lock Out-Tag Out procedures when doing crusher maintenance in accordance with the crusher SOP. Proper PPE was worn at all times and quarry traffic rules were obeyed.		
Significant QC Issues:	An environmental study and coordination between NAVFAC Marianas, 30 NCR and 31st SRG was needed to continue the transition from active quarry to closed quarry for turnover to Naval Base Guam. FRAGO requested to identify requirements for quarry operations and quarry shut down procedures during NMCB 74's deployment.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



Photo 1



Photo 2

Photo 1: Initial site conditions of berm

Photo 2: Completed berm.

STEEL RANGE BERM OIC-D1

Project Data

Project Scope: Backfill and level existing berm (#1) of 16 feet to a height of 18 feet. Create and establish berms #2 and #3 to a height of 18 feet. Clear and grub between berms #2 and #3 and compact with select fill.

Personnel:	4	Personnel Assigned
Duration:	06AUG2012 – 09NOV2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	133
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	133
	Total Project MD:	133

Material Cost: \$0

Cost Savings: \$46,550

Significant Safety Issues: Equipment operations while on top of the berm presented the largest safety risk. Site conditions were continuously monitored for overall safety and the berm was improved to support equipment operations on the berm.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: BU2 Lipetzky cuts a fallen tree into pieces in order to remove it from the church grounds.

Photo 2: The Tamuning Staff showed their appreciation for the Seabees hard work!

TAMUNING CHRISTIAN CHURCH CLEANUP COMREL 1

Project Data

Project Scope: Detail Guam supported Tamuning Christian Church in Guam by cleaning the grounds and improving the landscaping. The COMREL provided much needed support to the local church and the efforts by FEARLESS 74 were greatly appreciated.

Personnel:	38	Personnel Assigned
Duration:	18AUG2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	N/A
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	N/A
	Total Project MD:	N/A
Material Cost:	\$0	
Cost Savings:	\$0	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	



Photo Not
Applicable

Photo Not
Applicable

Photo 1

Photo 2

Photo 1: No photos provided because project was only planned and estimated.

Photo 2: No photos provided because project was only planned and estimated.

ROTC DISPLAY CASE AND QUARTERDECK PLANNING COMREL 2

Project Data

Project Scope: Detail Guam supported ROTC by preparing a BOM for a display case and quarterdeck area in memory of CDR White, a former instructor at the ROTC. Plans for the project were turned over to NMCB 5.

Personnel:	2	Personnel Assigned
Duration:	06OCT2012 – 07OCT2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	N/A
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	N/A
	Total Project MD:	N/A
Material Cost:	\$0	
Cost Savings:	\$0	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	



Photo 1



Photo 2

Photo 1: EO3 Lawrence shows a elementary school student the Seabee on the excavator at the Red Ribbon Campaign Drug Prevention Week Picnic.

Photo 2: Members of the First Class Petty Officer Association hold signs in support of Red Ribbon Campaign Drug Prevention Week.

RED RIBBON CAMPAIGN DRUG PREVENTION WEEK COMREL 3

Project Data

Project Scope: Detail Guam First Class Petty Officer Association supported Naval Base Guam's Red Ribbon Campaign Drug Prevention Week by standing outside the base gates holding up signs against drugs. This event helped reinforce drug awareness on and off base and in the community.

Personnel:	15	Personnel Assigned
Duration:	20OCT12 – 28OCT12	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	N/A
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	N/A
	Total Project MD:	N/A
Material Cost:	\$0	
Cost Savings:	\$0	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	



Photo 1



Photo 2

Photo 1: Bike lined up ready for the first transition.

Photo 2: Participants get ready for the triathlon to begin

NAVAL BASE GUAM TRIATHLON SUPPORT COMREL 4

Project Data

Project Scope: Detail Guam supported the Family Triathlon held on Naval Base Guam. The race had about 100 participants and FEARLESS 74 Seabees helped monitor the many different events. The coordinator appreciated the help.

Personnel:	30	Personnel Assigned
Duration:	19AUG2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	N/A
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	N/A
	Total Project MD:	N/A
Material Cost:	\$0	
Cost Savings:	\$0	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	



Photo 1



Photo 2

Photo 1: LCDR Santiago congratulates on of the participants.

Photo 2: BUCN Trafton and HM2 Sanchez pose with their participants.

TREE OF LIFE BASE CHAPEL HOLIDAY EVENT SUPPORT COMREL 5

Project Data

Project Scope: Detail Guam provided support for the Tree of Life Base Chapel annual hayride and caroling event. 2 MTRVs, drivers and A drivers provided support for the event. Camp maintenance constructed a stair system to assist mounting and dismounting the MTRV cargo trucks, promoting a safe environment. The trucks made 5 trips around family housing escorted by base security, transporting about 200 people. The interaction with the community left a lasting impression of the Seabees.

Personnel:	10	Personnel Assigned
Duration:	23DEC2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	N/A
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	N/A
	Total Project MD:	N/A
Material Cost:	\$0	
Cost Savings:	\$0	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	

DETAIL SASEBO

FEARLESS 74 deployed 22 Seabees to Sasebo, Japan in support of Commander Fleet Activities, Sasebo (CFAS). Over the course of deployment, the Detail managed and executed 4 tasked projects worth a combined \$715,345 while providing Pacific Command with a forward presence and response capacity for Major Contingency Operations or Humanitarian Aide/Disaster Recovery mission support.

Detail Sasebo completed 2 projects: SA06-843, Repair Drainage Ditch Magazine 709 Maebata and SA12-897, Trash Enclosures for CFAS. SA06-843, Repair Drainage Ditch Magazine 709 Maebata prevented magazine from flooding by removing 195m of existing ditch lining and replacing with a higher capacity concrete cast in place ditch system. This project provided improvements to mission critical ordnance magazines for Navy Munitions Command – East Asia (NMC), the largest ordnance facility in the Western Pacific. The crew also replaced existing concrete sidewalks around the building and poured new concrete sidewalks. SA12-897, Trash Enclosures supports the base Public Works Department's consolidation of trash and recycling bins into strategically determined locations in order to improve customer accessibility and reduce square footage of property usage. The project included construction of six 6m x 4.2m x 2.7m CMU block trash enclosures with swinging doors for trash storage.



Detail Sasebo turned over 2 projects: SA05-831, Repair Drainage Ditch Magazine 3019 and SA10-871, Inert Storage PEB at Dry Dock 2. SA05-831, Repair Drainage Ditch Magazine 3019, will prevent flooding by removing existing drainage ditch and replacing it with a higher capacity concrete cast in place drainage system. The new ditches were critical improvements to mission essential ordnance magazines for Navy Munitions Command-East Asia (NMC). SA10-871, Inert Storage PEB at Dry Dock 2, will provide a 4000 sq ft PEB with reinforced concrete floor, two entrance ramps, and two roll up doors, further enhancing the secure storage facility's capacity for inert materials for the Navy's only Dry Dock located in Sasebo.

The Detail also executed 47 mandays worth of Officer in Charge discretionary projects. The projects included a new cross walk and sidewalk in front of Thrifty Treasures Consignment Shop, providing added safety measures for the patrons of the shop.

Detail Sasebo coordinated one community relations event in support of The Boy Scouts of America. The event promoted the education of construction activities as the scout's received a tour of construction sites and learned about engineering drawings from the Detail's Seabees. This event helped reinforce the commitment to the community and introduced young boys to the construction world and the Seabees.



DETAIL SASEBO LABOR DISTRIBUTION SUMMARY

	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total
Direct Labor MDs	61	213	213	190	245	205	1,127	71.5%
Indirect Labor MDs	2	23	49	51	75	43	243	15.4%
Readiness/Training	28	26	46	36	45	25	206	13.1%
Total MDs Exp	91	262	308	277	365	273	1,576	100%
# of DL / IDL / OH	20	20	20	20	23	23	21	Avg/ WD
# Direct Labor	11	11	12	12	12	12	12	Avg/ WD
% Direct Labor	55%	55%	60%	60%	52%	52%	55%	
# of Workdays	11	25	22	24	23	22	127	-
Ideal Capability	136	309	297	324	311	297	1,665	
Availability Factor	65%	77%	87%	70%	93%	77%	80%	

PROJECT TASKING SUMMARY

Project Number	Total Project MDs	Total Project Material Cost (\$)	MDs Tasked	Tasked (%)	Final Work in Place (%)	Mandays Expended
SA05-831	254	41,279	150	0 – 59	13	59
SA06-843	148	32,951	148	0 – 100	100	242
SA10-871	681	500,000	292	0 – 61	47	396
SA12-897	607	140,269	292	52 – 100	100	399
Total	1,690	714,499	882	-	-	1,096

DETAIL SASEBO EQUIPMENT AND 3M SUMMARY

EQUIPMENT POPULATION

	BEEP	JUL	AUG	SEP	OCT	NOV	DEC	BEEP
In Inactive Equipment Management	0	0	0	0	0	0	0	0
In Active Service	6	6	6	6	6	6	6	6
Active CESE On Deadline	2	2	0	0	0	0	0	0
Automotive Equipment	1	1	0	1	1	1	1	1
Construction Equipment	1	1	0	1	1	1	1	1
Material Handling Equipment	0	0	0	0	0	0	0	0
Total Active CESE Available	4	4	6	6	6	6	6	6
% Active CESE Availability	67%	67%	100%	100%	100%	100%	100%	100%
CESE Processed through DRMO	0	0	0	0	0	0	0	0
Total CESE Managed	6	6	6	6	6	6	6	6



3M SUMMARY

Month	JUL	AUG	SEP	OCT	NOV	DEC	JAN	Total
SKED	3	15	8	13	19	15	4	77
Checks	3	15	8	13	19	15	4	77
RAR	100%	100%	100%	100%	100%	100%	100%	100%
Spot Checks	2	8	8	8	8	8	2	44
UNSAT Checks	0	0	0	0	0	0	0	0
Partial Checks	0	0	0	0	0	0	0	0
ACF	100%	100%	100%	100%	100%	100%	100%	100
PPR	100%	100%	100%	100%	100%	100%	100%	100

Note: Based on all 3M Work Centers



Project Overview



Project at Turnover

**REPAIR DRAINAGE DITCH MAGAZINE 3019
SA05-831**

Project Data

Project Scope: Remove existing 147 m of ditch lining and replace with 147 m of various wall heights precast concrete ditches. Additionally, construct intersection drainage connection at ditch in order to prevent flooding in the vicinity of magazine location.

Personnel: 2 Personnel Assigned

Duration: 09OCT12 – Turnover Project

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 59

Tasking: WIP at turnover: 0%
WIP at deployment completion: 13%
MD Tasked to NMCB 74: 150
Total Project MD: 254

Material Cost: \$41,279

Cost Savings: \$88,900

Significant Safety Issues: Asbestos piping found and confirmed. Project halted for asbestos abatement. Funded by PWD CFAS, the abatement was performed by contract and completed on 17DEC2012. The crew returned to the project site 18DEC2012.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: None.



Excavation of existing drainage ditches.



Project at Completion

**REPAIR DRAINAGE DITCH MAGAZINE 709 MAEBATA
SA06-843**

Project Data

Project Scope: Remove existing 195 m of ditch lining and replace with 137 m of 500 mm width and 58 m of 200 mm various wall heights cast in place concrete ditches. Additionally, construct intersection drainage connection at ditch in order to prevent flooding in the vicinity of magazine location.

Personnel:	4	Personnel Assigned
Duration:	21JUL2012 – 04OCT2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	242
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	148
	Total Project MD:	148
Material Cost:	\$32,951	
Cost Savings:	\$51,800	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	



Initial Project Conditions



Project at Turnover

**INERT STORAGE PEB AT DRY DOCK #2
SA10-871**

Project Data

Project Scope: Construct a 4000 SF PEB including reinforced concrete floor, two entrance ramps, role up doors, and two 36" doors IOT increase capacity to store inert materials.

Personnel: 5 Personnel Assigned

Duration: 07SEP2012 – Turnover Project

Mandays Expended: Previous Battalion: NEW START
NMCB 74: 396

Tasking: WIP at turnover: 0%
WIP at deployment completion: 47%
MD Tasked to NMCB 74: 292
Total Project MD: 681

Material Cost: \$500,000

Cost Savings: \$238,350

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: Delayed PEB delivery and inclement weather prolonged placement schedule for slabs. PEB was received on 12DEC2012 and complete inventory of all parts was conducted both prior to and during turnover with NMCB FIVE.



Initial Site Conditions



Completed Building

**CONSTRUCT TRASH ENCLOSURES
SA12-897**

Project Data

Project Scope: Construct three trash enclosures 6 meters x 4.2 meters x 2.71 meters of 150mm hollow concrete masonry units and cast in place reinforced concrete at CFAS Sasebo main base. Additionally install doors on the enclosures paint all surfaces.

Personnel: 4 Personnel Assigned

Duration: 21JUL2012 – 07DEC2012

Mandays Expended: Previous Battalion: 315
NMCB 74: 399

Tasking: WIP at turnover: 52%
WIP at deployment completion: 100%
MD Tasked to NMCB 74: 292
Total Project MD: 607

Material Cost: \$140,269

Cost Savings: \$212,450

Significant Safety Issues: None.

Significant QC Issues: Inexperience in placing formwork caused the vertical concrete columns in these trash enclosures to be reworked.

Significant Design Issues: None.

Significant Material Issues: None.



Photo 1



Photo 2

Photo 1: Boy Scouts from Troop 76 visit Detail Sasebo's Inert Storage PEB project site.

Photo 2: BU2 Drean teaches local Scouts from the Far East council about construction drawings.

**BOY SCOUTS OF AMERICA VISIT DETAIL SASEBO PROJECT SITE
COMREL 1**

Project Data

Project Scope: Troop 76 of the Far East Council of the Boy Scouts of America visited the Detail Sasebo construction site. They had the opportunity to ask the Seabees question relating to the construction process and earn their engineering merit badge. The Scouts looked at blueprints, shop drawings and construction schedules as well as formwork set in place for the upcoming concrete placement. The event helped reinforce the commitment to the community and introduced young boys to the construction world and the Seabees.

Personnel:	7	Personnel Assigned
Duration:	01NOV2012	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	7
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	100%
	MD Tasked to NMCB 74:	N/A
	Total Project MD:	7
Material Cost:	\$0	
Cost Savings:	\$N/A	
Significant Safety Issues:	None.	
Significant QC Issues:	None.	
Significant Design Issues:	None.	
Significant Material Issues:	None.	

DETAIL YOKOSUKA

FEARLESS 74 deployed 42 Seabees to Yokosuka and Atsugi Japan in support of Commander Fleet Activities Yokosuka and Commander Fleet Activities Atsugi. Over the course of deployment, the Detail managed and executed 5 tasked projects worth a combined \$2,599,989, while providing Pacific Command with a forward presence and response capacity for Major Contingency Operations or Humanitarian Aide/Disaster Recovery mission support.



Detail Yokosuka will turn over 5 projects: AG10-817, FISC Warehouse, AG10-818, Bollard System, YO05-894, PEB for Fuels Department, YO07-801, PEB for MWR Youth Center and YO12-808, 7th Fleet Pier Upgrade. AG10-817, FISC Warehouse consisted of two warehouse facilities for the FISC onboard Naval Air Station, Atsugi, providing a facility with sufficient storage in support of Carrier Air Wing 5 and Fleet Air Wing 4. Constuction included demolition of existing structures, excavation for concrete pad and parking lot placement, and installation of electrical. The project will be turned over to NMCB 5 at 6% WIP. AG10-818, Bollard System encompassed the installation of 766 security bollard in 77 locations onboard Naval Air Station, Atsugi and will enhance the bases AT/FP capability.

YO05-894, Construct PEB for Fuels Department consisted of a 3000 square foot PEB on Azuma Island including new office spaces, employee showers, a break room and contain a fully equipped alarm system. Project was halted at 92% complete due to material issues and MILCON threshold being reached. YO07-801, PEB for MWR Youth Center consisted of a 2800 square foot PEB including a game room, computer lounge, music studio, office space and restrooms in support of MWR. The project was halted at 86% complete due to material issues and MILCON threshold being reached. Both projects were turned over to NMCB 5 and will remain on hold until a new plan is developed by 30NCR.

YO12-808, 7th Fleet Pier Upgrade, included the demolition of several small structures and construction of two new gazebos equipped with lighting, wireless internet and phone lines in order to enhance the quality of life of personnel stationed on LCC 19, USS Blue Ridge. This project was put on hold because of roof design changes. The original design would not support the concrete roof design so a new plan was designed. The project was turned over to NMCB 5 at 50% WIP.

Detail Yokosuka participated in 5 community relation events sponsored by CSADD. The participants fed the homeless of CFAY helping promote unity between the nations and reinforcing the United States' commitment to people of Japan.

DETAIL YOKOSUKA LABOR DISTRIBUTION SUMMARY

	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total
Direct Labor MDs	153	351	301	309	339	287	1,740	41.9%
Indirect Labor MDs	148	396	389	330	394	288	1,945	46.8%
Readiness/Training	43	86	60	83	116	83	471	11.3%
Total MDs Exp	344	833	750	722	849	658	4,156	100%
# of DL / IDL / OH	37	39	39	39	38	38	38	Avg/ WD
# Direct Labor	24	24	24	24	24	24	24	Avg/ WD
% Direct Labor	65%	62%	62%	62%	63%	63%	62%	
# of Workdays	11	25	22	24	23	22	127	
Ideal Capability	297	675	594	648	621	594	3,429	
Availability Factor	66%	65%	61%	60%	73%	62%	64%	



PROJECT TASKING SUMMARY

Project Number	Total Project MDs	Total Project Material Cost (\$)	MDs Tasked	Tasked (%)	Final Work in Place (%)	Mandays Expended
AG10-817	953	557,278	228	0 – 24	6	238
AG10-818	476	183,661	234	0 – 49	12	152
YO05-894	1,771	678,010	263	83 – 92	92	165
YO07-801	1,769	663,956	179	80 – 87	86	109
YO12-808	783	253,766	452	18 – 84	50	242
Total	5,752	2,336,671	1,356	-	-	906



Initial Site Conditions



Site Condition at Turnover

**CONSTRUCT FISC PEB WAREHOUSE
AG10-817**

Project Data

Project Scope: Construct two PEB Warehouse facilities for FISC, Atsugi, in order to provide adequate space to support the Air Wing and installation. Work included demolition of existing structures, excavation for concrete pad and parking lot placement, and installation of electrical.

Personnel:	5	Personnel Assigned
Duration:	01NOV2012 – Turnover Project	
Mandays Expended:	Previous Battalion:	NEW START
	NMCB 74:	238
Tasking:	WIP at turnover:	0%
	WIP at deployment completion:	6%
	MD Tasked to NMCB 74:	228
	Total Project MD:	953

Material Cost: \$557,278

Cost Savings: \$333,550

Significant Safety Issues: None.

Significant QC Issues: None.

Significant Design Issues: None.

Significant Material Issues: The RST delivery date was delayed due to the Christmas and New Year holiday stand-down by Japanese contractors and vendors.



Initial Site Conditions



Completed Site

**INSTALL BOLLARD SYSTEM
AG10-818**

Project Data

Project Scope:	Install Security bollards at various locations on NAF Atsugi in order to enhance the AT/FP capability of the installation.		
Personnel:	6	Personnel Assigned	
Duration:	26NOV2012 – Turnover Project		
Mandays Expended:	Previous Battalion:	NEW START	
	NMCB 74:	152	
Tasking:	WIP at turnover:	0%	
	WIP at deployment completion:	12%	
	MD Tasked to NMCB 74:	234	
	Total Project MD:	476	
Material Cost:	\$183,661		
Cost Savings:	\$166,600		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	The initial bollard order was broken into two separate orders to alleviate crossing the price threshold of \$150k for Fleet Logistics Center (FLC) contracting purposes. The remaining 323 bollards will be ordered by the FLC and delivered to NMCB 5.		



EOCN Morrison applying primer



Building at turnover with NMCB 5

CONSTRUCT PEB FOR FUELS DEPARTMENT YO05-894

Project Data

Project Scope: Construct a 40'x77' PEB on Azuma Island for FISC Fuels Dept. Project supports Commander Fleet Activities, Yokosuka, Japan and provided the Terminal Director with new office spaces, employee showers and a break room. Building shall be equipped with fire alarm system. Work included interior finish work, finish electrical, finish plumbing, and installation of septic tank.

Personnel:	2	Personnel Assigned
Duration:	11AUG2010 – Turnover Project	
Mandays Expended:	Previous Battalion:	1,470
	NMCB 74:	165
Tasking:	WIP at turnover:	83%
	WIP at deployment completion:	92%
	MD Tasked to NMCB 74:	263
	Total Project MD:	1,771

Material Cost: \$678,010

Cost Savings: \$619,850

Significant Safety Issues: Open excavations for utility lines were present on site. Sites were clearly marked and either cordoned off or covered with steel plates.

Significant QC Issues: Significant rework was required in order to comply with construction standards.

Significant Design Issues: A significant amount of material was de-scoped from this project. Prints have been redlined to represent this.

Significant Material Issues: Project was nearing MILCON threshold at turnover. Limited funds were available for material purchase, necessitating the reallocation of excess materials in order to recoup project funds.



CN Rech applying joint compound



Building at turnover with NMCB 5

**CONSTRUCT PEB FOR MWR YOUTH CENTER
YO07-801**

Project Data

Project Scope: Construct a 50'x56' PEB on an existing tennis court. Project construction is in support of MWR Youth Center at the Ikego housing area. Building will consist of a game room, computer lounge, studio, office space, and male and female restrooms. Building shall also be equipped with fire suppression and fire alarm system.

Personnel: 1 Personnel Assigned

Duration: 03JUN2010 – Turnover Project

Mandays Expended: Previous Battalion: 1,470
NMCB 74: 109

Tasking: WIP at turnover: 80%
WIP at deployment completion: 87%
MD Tasked to NMCB 74: 179
Total Project MD: 1,769

Material Cost: \$663,956

Cost Savings: \$619,150

Significant Safety Issues: Open excavations for utility lines were present on site. Sites were clearly marked and either cordoned off or covered with steel plates.

Significant QC Issues: Significant rework was required in order to comply with construction standards.

Significant Design Issues: None.

Significant Material Issues: Project was nearing MILCON threshold at turnover. Limited funds were available for material purchase necessitating the reallocation of excess materials in order to recoup project funds.



Initial Site Conditions



Project at turnover with NMCB 5

7TH FLEET PIER 9 UPGRADE YO12-808

Project Data

Project Scope: Demolish several small structures and construct two concrete gazebos with lighting, wireless internet and phone lines in order to enhance berthing areas for USS Blue Ridge personnel. Work includes installation of formwork and placement of concrete for gazebo “B,” construction of gazebo “A,” and rough/finish electrical for both gazebos.

Personnel: 3 Personnel Assigned

Duration: 15AUG2012 – Turnover Project

Mandays Expended: Previous Battalion: 140
NMCB 74: 242

Tasking: WIP at turnover: 18%
WIP at deployment completion: 84%
MD Tasked to NMCB 74: 452
Total Project MD: 783

Material Cost: \$253,766

Cost Savings: \$274,050

Significant Safety Issues: Shipboard operations included the use of a crane preventing the crew from working. Construction fencing and posted warning kept foot traffic out of the project site.

Significant QC Issues: Significant rework was required in order to comply with construction standards. Crew ensured that concrete was dropped from an expectable height and vibrated adequately in order to prevent segregation.

Significant Design Issues: Prints for the gazebo itself were originally meant for Guam and had been inserted into the project, resulting in delays in answering of RFI’s. Crew had to stop all work pending review of drawings by PWD structural engineer.

Significant Material Issues: None.



No Photo
Provided

No Photo
Provided

Photo 1

Photo 2

Photo 1: No photos provided for events.

Photo 2: No photos provided for events.

**COALITION OF SAILORS AGAINST DESTRUCTIVE DECISIONS SUPPORT
COMREL 1-5**

Project Data

Project Scope: Detail Yokosuka participated in 5 community relation events sponsored by Coalition of Sailors Against Destructive Decisions. The participants fed the homeless of Commander Fleet Activities, Yokosuka helping promote unity between the nations and reinforce the United States' commitment to Japan.

Personnel:	10	Personnel Assigned	
Duration:	15SEP2012 – 08DEC2012		
Mandays Expended:	Previous Battalion:		NEW START
	NMCB 74:		50
Tasking:	WIP at turnover:		0%
	WIP at deployment completion:		100%
	MD Tasked to NMCB 74:		N/A
	Total Project MD:		50
Material Cost:	\$0		
Cost Savings:	N/A		
Significant Safety Issues:	None.		
Significant QC Issues:	None.		
Significant Design Issues:	None.		
Significant Material Issues:	None.		



CHAPTER V

SUPPLY / LOGISTICS / EQUIPMENT



SUPPLY (S4)

FEARLESS 74's S4 Department supported Camp Shields, Camp Covington, and eleven Details throughout PACOM. The department oversaw \$577.5K in Consumables, \$590K in ARP and \$185K in Maintenance Operational Targets (OPTARs) for fiscal year 2012 and \$539.2K in PRG4 and \$36.8K in PRG6 in fiscal year 2013. The department procured \$2M worth of essential supplies and maintained 100% accountability of two P-25 Table of Allowances (TOAs), a combined value over \$100M. The Department conducted a 100% inventory of National Stock Number (NSN) items in 10 out of 351 TOA containers, Serialized Item Management (SIM) inventories on 134 line-items across the



AO yielding 98% validity, and Non-Serialized Item Management on the 998 line-item Non-SIM inventory, yielding 98% validity. The Central Tool Room (CTR) had 100% validity on over 6000 line-item inventory, and inventories of the Automotive Repair Parts (ARP) outlet had 97% validity on blades, tires, and batteries. In the Material Liaison Office (MLO) a 3,200 all encompassing line-item inventory was maintained with 100% validity. Company, Detail and Department mail clerks helped deliver 10,000lbs of both personal mail and care package shipments. Additionally, FEARLESS 74 coordinated logistic support requirements for 1NCD's efforts with UFG 12 at Camp Courtney, Okinawa, Japan in August 2012.

SUPPLY / LOGISTICS STATISTICAL DATA

Validity of ARP Inventory at Turnover	100%
Validity of CTR Inventory at Turnover	100%
Validity of CSR Inventory at Turnover	100%
Validity of MLO Inventory at Turnover	100%
Number of DTS Travel Orders Processed	2,580

FINANCIALS

FEARLESS 74 increased the issue effectiveness of the \$3.51M OPTAR by 61% and provided quality support to all FEARLESS locations. The Battalion procured 200 requisitions and 10 service contracts, valued at \$420K, through four Government Purchase Card (GPC) holders, including \$37K of mission essential consumables and lumber for UFG 12. FEARLESS 74 was the first deployed battalion to be evaluated by the Navy Expeditionary Combat Command's (NECC) Supply Management Certification (SMC) checklist, receiving a score of 89.84%.

TRAVEL

A joint effort between the Administration, Supply and Embark, FEARLESS 74 processed 2,580 individual Defense Travel System (DTS) travel authorizations and vouchers totaling \$1.2M of active travel obligations. The joint effort ensured separation of duties for maximum accountability and system integrity, with three tiers of oversight, and aligned the DTS/Government Travel Credit Card (GTCC) Program with the new COMNECCINST 440.1B. FEARLESS 74's Debt Management Monitor (DMM) properly administered and managed the program, redeploying with 0 items pending "due process" or, "actions required". Outstanding delinquency was kept below the 2% threshold throughout deployment, peaking at 4.0% and maintaining an average of 1.8%.

BARRACKS MANAGEMENT AND GALLEY OPERATIONS

Culinary Specialists at Camp Shields and Camp Covington managed billeting for an average of 375 persons per month, across 9 Bachelor Enlisted Quarters (BEQs) and 3 Bachelor Officer Quarters (BOQs) totaling 800 individual rooms. Throughout deployment the team worked diligently, and in unison with camp maintenance, to execute 300 trouble calls, increasing the quality of living for deployed personnel. FEARLESS 74's vigilance allowed the Battalion to deconflict several berthing issues with the housing office, camp maintenance, and public works, ensuring a successful RIP/TOA.



The Food Service Divisions successfully generated, and managed, menus for two fully operational galleys, two Chief Petty Officer's Messes, and two Officer Wardrooms, keeping a daily average of \$50K in on-hand inventory and an average of \$10K under budgeted funds. At Camp Shields and Camp Covington, the team distributed an average of 1,000 individual galley meals each day, and at Camp Shields, prepared a special monthly meal for the all personnel born that particular month. Billeting numbers and Messing numbers peaked at over 700 persons and 2,000 individual meals per day during the Relief-in-Place/Transfer of Authority (RIP/TOA) with NMCB FIVE and 84th EN BN in January 2013.

NON CIVIL ENGINEER SUPPORT EQUIPMENT (CESE) TABLE OF ALLOWANCE (TOA)

The Supply Department maintained custodial management of 351 TRICONS, 354 tool kits and 33 Auto Repair Parts containers across the PACOM AOR. Specific accomplishments since RIP/TOA with NMCB FORTY at Camp Shields include validation of MRE expiration dates and accurate accountability of SAPI plates. At Camp Covington, the TOA manager coordinated with 30NCR, implemented a plan, and expeditiously processed over 97 excess line items of legacy TOA through the Defense Reutilization Management Office, Naval Base Guam. FEARLESS 74 executed a flawless turnover with the 84th Engineer Battalion.

FEARLESS Logistic Specialists (LSs) were the first to “crack the seals” on several of Camp Shields’ P-25 modules, familiarizing 20 junior Seabees with the module’s inventory and proper procedures for requesting, installing, returning, and accounting for gear issued from a P-25 TOA. The team’s technical prowess was demonstrated when the containers for the Base-X tent kits were used in support of UFG 12. The department maintained 100% accountability and requested no surveyed/lost line-items at the conclusion of the exercise.



CENTRAL TOOL ROOM (CTR)

The Central Tool Rooms (CTR) maintained an inventory of over 354 tool kits and 6378 shelf line items valued at \$5.9M. At Camp Shields, the team led the integration of Alfa Company and Camp Maintenance tool reorganization into one centralized location, allowing clear oversight of all tool programs. In order to improve tool availability, and prepare CTR for RIP/TOA with NMCB FIVE and 84th EN BN, \$311K in replacement parts and tools were ordered to replenish tool kits and shelf items. The CTR staff also repaired and maintained 622 electrical and gas/diesel operated power equipment to ensure timely availability, limiting setbacks on job sites.

CENTRAL TOOL ROOM SUMMARY

	Tool Kits Per Location				Line-Items Per Location				Total Value
	Local	CRO	TSC	Total	Local	CRO	TSC	Total	
Camp Shields	94	0	0	94	6242	0	1	6243	\$4M
Camp Covington	155	105	0	260	2295	0	0	2295	\$2.3M
Total	249	105	94	354	8537	0	1	8538	\$6.3M



AUTOMOTIVE REPAIR PARTS (ARP)

Prior to deployment, four LSs worked closely with 20SRG to become proficient in repair parts management. The management of two ARP programs proved to be a challenging and labor intensive task but the FEARLESS ARP team tackled the 28,602 TOA line items, worth \$8.63M, and increased the repair parts demand effectiveness rate to 90%. The ARP team processed 1,746 direct turnover (DTO) requisitions while the



Central Store Room (CSR) shipped over 246 repair parts estimated at \$13K to Details at 8 operational locations with P-25 CESE.

MATERIAL LIAISON OFFICE (MLO)

The office managed material for 25 CRO projects, maintaining accountability of 5,700 line items valued at \$3.5M. At Camp Shields, MLO processed 75 funding requests routed through 30NCR, and 16 project specific construction and material procurement contracts, totaling 3,200 line items valued at \$2.5M. At Camp Covington, MLO processed 5 funding requests, routed through MLO in Camp Shields, and 11 project specific construction and material procurement contracts, totaling 2,500 line items valued at \$1M. Each detail site provided real-time monitoring of line item pricing information through the web-based Project Material Status Report (PMSR), allowing battalion personnel and 30NCR to monitor material status.



MATERIAL AND MAINTENANCE MANAGEMENT (3M)

FEARLESS 74's 3M program identified and corrected over 200 configuration errors in the Micro-Shipboard Non-tactical Automated data Processing (MicroSNAP) configuration database and conducted 56 up-line reports and 34 Automated Shore Interface (ASI) updates to keep the data current throughout deployment. In order to maintain the PACOM TOAs consistent readiness, the Battalion executed 20,280 Planned Maintenance System (PMS) checks and 1,800 Maintenance Action Forms ("2K") work orders.



EMBARKATION

FEARLESS 74's Embarkation Division coordinated with Naval Air Logistics Office, the Air Mobility Command Terminals, and Movement Control Centers for over 2,935 personnel movements. Additionally, in coordination with Surface Deployment and Distribution Command (SDDC), 40 pieces of CESE, and 20 shipping containers of tools and equipment, totaling nearly 50 short tons, were successfully deployed and received at 13 Detail sites and at the Naha, Japan port. Self-generation of shipping documentation reduced cost of outside processing and handling fees, saving the Navy over \$500K.

In September 2012, Camp Shields successfully executed a 48-Hour Air Det Mount Out in support of 30NCR Embark Exercise. The Embark Department developed and executed a comprehensive training plan for 110 personnel in preparation for the 48-hour mount-out, resulting in an excellent review and the recommendation that future Battalion's implement the training curriculum by 30NCR experts. The training included a Mount-Out Training Exercise (MOTX) executed at mainbody within the first month of deployment that incorporated all mainbody personnel. The comprehensive training plan led to the excellent execution of the 48-hour mount-out exercise conducted in conjunction with the 30NCR Operational Readiness Inspection (ORI). The mount-out included the preparation for movement of 36 units of Civil Engineer Support Equipment (CESE) and a total of 43T of cargo. FEARLESS 74's efforts and shared lessons learned will positively shape potential Humanitarian Aide/Disaster Relief missions for future Pacific Battalions.



EQUIPMENT

FEARLESS 74 took possession of two P25 Table of Allowances (TOA) and a P32 TOA, totaling 854 pieces of Civil Engineer Support Equipment (CESE). At RIP/TOA with NMCB 40, FEARLESS "Alfa Dawgs," with oversight from 31SRG and 30NCR, immediately began the Battalion Equipment Evaluation Program (BEEP). The inspection teams conducted 803 R-1 checks, and validated 100%

SUPPLY / LOGISTICS / EQUIPMENT



of all collateral equipment and tools inventories. Over the seven day BEEP, 441 pieces were placed in Inactive Equipment Management (IEM), 362 pieces in Active Service and 51 pieces on deadline.

The BEEP kicked off a robust deployment for Alfa Company, filled with equipment management and maintenance coordinated internally across eight locations with CESE and with the staffs from 31SRG and 30NCR. With the ability to maintain a battalion wide ratio of 6.3 mechanics per piece of CESE, 3M Work Center Supervisors oversaw an average of 2,000 preventative



maintenance checks per month maintaining a Recorded Accomplishment Rate (RAR) of 100%. Alfa Company worked closely with 30NCR to dispose of 41 pieces of CESE and ship 17 pieces of P32 quarry operation CESE to Port Hueneme for retrofit and eventual redeployment to San Clemente Island, CA. Equipment maintenance, both corrective and preventive, was the trademark of FEARLESS' successful equipment management deployment. The BEEP with NMCB FIVE was completed in 8 days, with 0 discrepancies and 0 safety mishaps. The work of Alfa Company over the deployment decreased the pieces of CESE on deadline from 51 to 37, a 1.7% increase of availability.

BATTALION EQUIPMENT AND 3M SUMMARY

EQUIPMENT POPULATION

	BEEP	JUL	AUG	SEP	OCT	NOV	DEC	BEEP
In Inactive Equipment Management	438	438	409	409	411	425	394	394
In Active Service	347	347	374	364	368	369	399	399
Active CESE On Deadline	56	56	43	42	42	41	39	39
Automotive Equipment	27	27	26	26	26	26	23	23
Construction Equipment	25	25	15	16	16	15	14	14
Material Handling Equipment	4	4	2	2	2	2	4	4
Total Active CESE Available	729	729	740	731	737	753	754	754
% Active CESE Availability	93%	93%	95%	95%	95%	95%	95%	95%
CESE Processed through DRMO	0	0	7	3	0	1	1	0
Total CESE Managed	785	785	776	770	779	793	792	793

3M SUMMARY

Month	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	Total
SKED	1495	2516	3102	2807	2987	3092	3237	65	19301
Checks	1487	2486	3078	2774	2809	3072	3159	64	18929
RAR	99%	99%	99%	99%	94%	99%	98%	98%	98%
Spot Checks	69	73	97	108	112	90	74	5	628
UNSAT Checks	0	0	2	1	0	1	1	0	5
Partial Checks	0	0	0	0	0	0	0	0	0
ACF	100%	100%	98%	99%	100%	99%	99%	100%	99%
PPR	99%	99%	99%	99%	94%	99%	98%	98%	98%

Note: Based on all 3M Work Centers



TRANSPORTATION

The Transportation Yard employed 57 pooled Equipment Operators (EOs), ready to perform late-night line hauls of materials and CESE as well as aid with excavation activities, specialized CESE support requirements and other similar tasks. At Camp Shields, line-haul operations were further complicated by the oversized equipment procedures required under the Status of Forces Agreement with Japan, limiting line haul operations to non-peak traffic hours only and requiring a permit for specific traffic routes. Over the deployment, FEARLESS EOs executed 16 total line hauls, including 13 at night, and carried 237T of materials and CESE.



Throughout the deployment, the Transportation Supervisors reviewed 563 equipment request forms, approving 532 requests. The yard crews logged 37,000K accident free miles of bus service, maintained 100% validity on collateral equipment inventories and imported more than 2,065 3M checks into SKED. Additionally, the License Examiners administered 103 license examines, issued 97 training licenses, and 86 licenses after endorsing 1,520 man-hours of quality equipment operations under the supervision of a licensed operator.

CRANE PROGRAM

The FEARLESS Crane crews at Camp Shields and Camp Covington oversaw two P-25 TOA 40T Link Belt hydraulic mobile cranes and two Medium Tactical Vehicle Replacement (MTVR) Wrecker cranes each. Executing 19 mishap free crane lifts, lifting 90,000lbs of cargo and equipment, and licensing one person on the 40T crane, the crews were continuously employed throughout the deployment. The Camp Covington crew also coordinated the shipment for replacement for both on-site 40T Link Belt cranes to Port Hueneme for refresh. At turnover with NMCB 5, one crane had been shipped to Port Hueneme and the other crane was pending arrival of the replacement before being shipped by NMCB FIVE's crane crew.

The Camp Covington crew started with turnover lift with NMCB FORTY, supporting Naval Special Warfare Unit 1's Portable Mobility Enhancement System (PMES) training lifts for their boats and trailers. This relationship continued over the course of deployment, with multiple lifts and provided both our operators and the special warfare operators with the operational readiness training. This crew also supported the retrograde, for retrofit in Port Hueneme, of the secondary crusher at the Orote Point Quarry.





APPENDIX I

LESSONS LEARNED

1. KEYWORD: ADMINISTRATION

ITEM: ADVANCEMENT EXAMS

DISCUSSION: FEARLESS 74 increased accountability for advancement exam worksheets by routing them via Camp Shields. However, due to assorted mail routing issues at Camp Shields and non-DoD installation site details, the worksheets required a special travel mission in order to ensure delivery before the required examination date. When possible, these missions were in coordination with CO/CMDCM or S3/S3C detail swings, however, in one extreme case a member travelled from Camp Shields to Diego Garcia, delivered the exam to the OIC, and then departed on the same plane from which they arrived.

RECOMMENDATION: Validation of advancement eligibility list should be completed as early as possible to ensure delivery of exam worksheets for all eligible personnel. While accountability may be improved by having examination booklets forwarded to Mainbody and distributed out, timeliness dictates they be forwarded by PSD directly to detail sites and returned from detail sites directly to PSD. This will minimize any delays resulting from misrouted mail and eliminate any associated special mission travel.

2. KEYWORD: ADMINISTRATION

ITEM: OPERATIONAL READINESS INSPECTION (ORI)

DISCUSSION: The mid-deployment ORI for the Intelligence Department was conducted utilizing a different check-list than anticipated.

RECOMMENDATION: Ensure that the R2 includes, along with other Regimental Staff, the official ORI check-list NLT 30-days prior to execution, and as early as possible.

3. KEYWORD: ADMINISTRATION

ITEM: SPECIAL PAY

DISCUSSION: Proactive tracking of special pay(s) is vital to ensuring deployed personnel are receiving their proper entitlements. With detail sites receiving varied special pay entitlements, careful management of which personnel are eligible for which entitlements can be challenging.

RECOMMENDATION: Routine coordination meetings between the S3C, or their stand-in, Embark and command DTS coordinators can validate which personnel are where, which in-turn will minimize troops' over/under payments.

4. KEYWORD: ADMINISTRATION

ITEM: SPECIAL STAFF DETAIL SWINGS

DISCUSSION: While it may be convenient for special staff to travel in conjunction with the CO/CMDCM and S3/S3C detail swings, it is not in the best interest for either party. Based on visit purpose "special staff plus-one" swings can detract from the original mission, and become a scheduling challenge for the Detail leadership.

RECOMMENDATION: A coordinated, mid-deployment, detail swing to durational non-military installation detail sites by the Chaplain, Safety Chief, and/or Medical Officer would ensure that these critical functions receive the supplementary oversight that details to military installations are afforded; Chapels, Installation Safety, and Hospital/Clinic access.

5. KEYWORD: ADMINISTRATION

ITEM: WORKING HOURS

DISCUSSION: Time differences between the battalion's location and their homeport PSD pose a challenge in processing short notice pay and personnel transactions.

RECOMMENDATION: Modified working hours for deployed pay and personnel clerks, along with an assigned YN/PS on the homeport detail would aid in direct communication with PSD and smoother processing of transactions.

6. KEYWORD: INTELLIGENCE

ITEM: PRE-DEPLOYMENT SITE SURVEYS (PDSS)

DISCUSSION: Detail swings would allow Intelligence Specialist a much clearer understanding of what is happening in the AO and allow us to provide more feedback to 30 NCR.

RECOMMENDATION: Intel Specialist participation in Theater Security Cooperation PDSSs to develop local contacts, establish ground rules for communication and to establish familiarity with the country would provide clearer and more poignant feedback to the Details and 30NCR on the impacts from our mission, and those on our mission.

7. KEYWORD: INTELLIGENCE (CS)

ITEM: ANTI-TERRORISM TRAINING

DISCUSSION: Anti-Terrorism Level 2 training is an ORI requirement and is a standard capability for a 3912 Intelligence Analyst. This vital training would further enhance capabilities and guarantee fulfillment of the ORI requirement through battalion personnel changes.

RECOMMENDATION: All Intel Analysts should have Anti-Terrorism Level 2 training.

8. KEYWORD: COMMAND RELIGIOUS PROGRAMS (CS)

ITEM: CHAPEL SERVICES

DISCUSSION: During the deployment the Sailors of NMCB SEVENTY-FOUR were afforded several avenues to practice their faith. The FEARLESS Chaplain offered regular Protestant services in the Camp Shields Chapel while the duty driver made runs to Chapel #1 on Kadena Air Base for Roman Catholic Christians and the Liberty Bus made runs to Chapel #2 on Kadena Air Base for Protestant Christians. Jewish personnel were able to utilize a battalion van to attend services on Camp Foster. Battalion transportation services were sufficient to meet the religious needs of the Sailors, however civilian houses of worship were not available due to transportation and liberty restrictions.

RECOMMENDATION: While liberty restrictions can not be altered, the RMT should look for avenues to provide transportation to interested Sailors. It is recommended that the battalion continues to provide transportation for religious services.

9. KEYWORD: COMMAND RELIGIOUS PROGRAMS (CS)

ITEM: CFAO CHAPLAIN

DISCUSSION: The FEARLESS 74 Chaplain functions as the Chaplain for CFAO and its tenant commands and assumes the responsibility for ministerial support for each.

RECOMMENDATION: It is recommended that the NMCB Chaplain make contact with CFAO and the tenant commands early in the deployment in order to ensure Chaplain Services are available.

10. KEYWORD: MEDICAL & DENTAL (CS)

ITEM: PRE-DEPLOYMENT SCREENING

DISCUSSION: Pre-deployment screening for remote detail sites is an absolute necessity. Important factors to look at are: Vaccinations, Dental (making sure troop will not become class 3 or 4 over deployment), PHA, PDHA, and PDHRA. With a temporarily gapped X2 position, the Battalion allowed class 3's and 4's to deploy to remote detail sites. In addition, gained troops who needed to complete their PDHA or PDHRA were sent to remote sites where care was unavailable.

RECOMMENDATION: All troops must meet medical and dental readiness standards before deploying from Gulfport. Responsibility falls on the Detail OIC and ultimately the individual sailor to ensure their personnel readiness requirements are accomplished.

11. KEYWORD: MEDICAL & DENTAL (CS)

ITEM: TURNOVER

DISCUSSION: Turnover was performed without the presence of the Dental Officer. The base knowledge of a corpsman was not sufficient to adequately understand the specific needs of the Dental Department (supplies, maintenance, laboratory support, etc) and lead to some difficulty accomplishing assigned mission early in the deployment.

RECOMMENDATION: Have both Medical and Dental Officers deploy with AP and redeploy with MB to make turnover as efficient as possible.

12. KEYWORD: MEDICAL & DENTAL (CC)

ITEM: MEDICAL SUPPLIES

DISCUSSION: The BAS was not appropriately stocked or capable of providing emergent care after turnover. SOP states that an ambulance must be called immediately upon recognizing an emergent case, however the stabilization equipment and supplies must be available to provide support until the ambulance arrives.

RECOMMENDATION: Ensure BAS is properly outfitted with medical supplies to provide stabilizing support for emergency cases and ensure supplies are sufficient during turnover.

13. KEYWORD: MEDICAL & DENTAL (CC)

ITEM: CLINIC SUPPORT

DISCUSSION: The ability of FEARLESS Medical Staff to coordinate directly with Naval Base Guam Health Clinic made it very simple to make appointments for our Seabees for care that is beyond the Medical Department's scope of practice

RECOMMENDATION: Maintain constant communications with Naval Base Guam Health Clinic to ensure this relationship grows.

14. KEYWORD: MWR

ITEM: SHIP STORE

DISCUSSION: The battalion ship store didn't open until early September even though deployment began in early July.

RECOMMENDATION: The MWR officer should plan on opening a ship store upon arrival to homeport or deployment in order to maximize support.

15. KEYWORD: MWR (CS)

ITEM: MWR BANK ACCOUNT

DISCUSSION: The previous MWR officer was on a remote detail with no access to Navy Federal and was unable to grant account access to the new MWR officer or new MWR chief on deployment. As a result, the MWR staff had to hold large sums of cash, deposit it and attain a cashier's check to keep the money secure. This was a large burden on the MWR Staff.

RECOMMENDATION: MWR officers ensure a proper turnover or, add an additional representative to the account before deploying if they will not be located at the Mainbody site.

16. KEYWORD: MWR (CS)

ITEM: MWR TRIPS

DISCUSSION: The MWR team was only able to plan 2 MWR trips on deployment. There were some extenuating circumstances that led to trips being canceled, however the MWR staff should have planned for at least 1 MWR trip per month.

RECOMMENDATION: The MWR staff should contact the Battalion they will relieve, determine the available trips and coordinate trips for the first 3 months of deployment.

17. KEYWORD: COMMUNICATION

ITEM: COMMAND AND CONTROL

DISCUSSION: For details and exercises where DSN phones are unavailable, communication capacities and capabilities become fiercely restricting on command and control functions. The first factor restricting C2 is the success rate for detail sites calling a DSN number (via the appropriate civilian number) hovers around 60% while cell-phone to cell-phone is around 95% (roughly 5% are not successful due to network capacity). The second factor is the limited number of cellular phones available to the Camp Shields Mainbody, and especially the limit of five cell phones capable of dialing internationally.

RECOMMENDATION: Recommend installation of VoIP phones at each location without DSN capability, with a Okinawa, Japan based phone-number, this would allow Camp Shields personnel to call each location via either DSN or "locally" off-base. The second recommendation is to make available, in addition to current capacities a "burner" cell phone, capable of receiving phone-calls only, for each major staff position not currently assigned, this would ensure that details could call via VoIP, but also reach staff members when not physically in the office.

18. KEYWORD: COMMUNICATIONS (CS)

ITEM: ADMINISTRATIVE DOCUMENTS

DISCUSSION: TASO designation letters and acknowledgement forms along with designated security manager, user list for SIPR TACLANE and a designated property custodian are required to be on file with ONE-NET before S6 can provide any meaningful assistance.

RECOMMENDATION: Everyone in the Communications Department should be on the TASO designation letter and all the listed positions should be designated in writing to ensure the S6 Department can function effectively.

19. KEYWORD: COMMUNICATIONS (CS)

ITEM: INVENTORIES AND TOA

DISCUSSION: Turnover of the Battalion communications involves inventory of all CCI and communication gear as well as an operation test for 10% of the gear. The amount of time required to complete these tests and inventories drives the completion of turnover.

RECOMMENDATION: Ensure all S6 personnel are available to aide in the turnover of all communications equipment.

20. KEYWORD: COMMUNICATIONS (CS)

ITEM: NIPRNET CONFIGURATION

DISCUSSION: ONE-NET has an established procedure for creating accounts and does not deviate from the plan. All personnel are required to have a NIPRNET account and need to submit a SAAR form before deploying into theater.

RECOMMENDATION: Ensure all personnel fill out the required SAAR form and the TASO or Security Manger sign the appropriate form. TASO/Security Manager signature will be verified with designation letter on file with ONE-NET.

21. KEYWORD: COMMUNICATIONS (CS)

ITEM: ALIAS

DISCUSSION: Mass distribution lists are an effective way to pass information to large groups of personnel.

RECOMMENDATION: Ensure lists of required mass distribution lists are created before deploying to theater. This would allow the S6 Department to create the lists quickly once on station.

22. KEYWORD: COMMUNICATIONS (CS)

ITEM: OWA

DISCUSSION: Outlook Web Access (OWA) is not an inherited privilege from NMC1 based accounts. All users requiring OWA have to submit a SAAR and memo via Chain of Command for OWA. Once approved, it takes about 2 weeks for ONE-NET to configure the users account.

RECOMMENDATION: Ensure Battalion personnel submit required forms prior to deployment and have proper instruction when setting up their accounts for the first time.

23. KEYWORD: TRAINING (CS)

ITEM: TRAINING IN-DEPTH

DISCUSSION: Detail sites have particular requirements that prevent them from adhering to the same deployment training schedule as Mainbody. For example, VIP visits to specific sites caused training days to become workdays. Keeping the same work/training/off day schedule as Mainbody was difficult on the Detail sites.

RECOMMENDATION: Provide Commander's guidance early enough to allow each site to execute the requirements based on a site-specific schedule.

24. KEYWORD: TRAINING (CS)

ITEM: EXTERNAL TRAINING

DISCUSSION: Mainbody in Okinawa was able to conduct several sessions of training with individuals who were professionals in their individual fields. Both Mental Health and Financial professionals came to speak to the Battalion about their respective subjects, enhancing the training value.

RECOMMENDATION: External subject matter experts should teach classes as often as possible.

25. KEYWORD: TRAINING (CS)

ITEM: SMALLER CLASS SIZES

DISCUSSION: For a majority of the General Military Training (GMT) classes conducted in Okinawa, the class sizes were greater than 180 people. The classes that were held that contained 40 people or less were more effective at communicating the training to each individual.

RECOMMENDATION: Use smaller class sizes to enhance the training value of GMT topics.

26. KEYWORD: TRAINING (CS)

ITEM: 3M TRAINING

DISCUSSION: Homeport training does not sufficiently train all personnel required to support the 3M mission. In the previous homeport, there were seven work centers throughout the command; this deployment Detail Guam alone had 17 work centers. Limited homeport work centers make it difficult to qualify/train enough Work Center Supervisors, Division Officers, and Department Heads for deployment execution.

RECOMMENDATION: Ensure proper personnel receive 3M training prior to deployment and coordinate heavily with on-site battalion for number of deployed work centers.

27. KEYWORD: TRAINING (CS)

ITEM: SAFETY TRAINING

DISCUSSION: The unit HAZMAT / HAZWASTE coordinator and the Environmental Officer for the detail need to go to HAZWOPER training prior to arriving on the island. In addition, all project and shop safety personnel must attend the two week OSHA Safety block training provided by the 20th SRG.

RECOMMENDATION: Ensure all safety personnel attend the required classes while in homeport.

28. KEYWORD: TRAINING (CC)

ITEM: SAFETY TRAINING

DISCUSSION: The unit HAZMAT / HAZWASTE coordinator and the Environmental Officer for the detail need to go to HAZWOPER training prior to arriving on the island. In addition, all project and shop safety personnel must attend the two week OSHA Safety block training provided by the 20th SRG.

RECOMMENDATION: Ensure all safety personnel attend the required classes while in homeport.

29. KEYWORD: SAFETY (KO)

ITEM: LOCAL SAFETY STANDARDS

DISCUSSION: Republic of Korea crane safety requirements do not meet NAVFAC P-307.

RECOMMENDATION: Ensure that the NCF adheres to the most stringent policies between Korean standards and the NAVFAC P-307, and that Korean crane safety requirements are understood.

30. KEYWORD: OPERATIONS

ITEM: PROJECT MANAGEMENT

DISCUSSION: Project planning was conducted by first time project supervisors with little experience planning a project and limited oversight from more experience First Class Petty Officer. No training was provided to these individuals and the unfamiliarity with the process caused under-developed project packages.

RECOMMENDATION: Ensure project supervisors receive the proper training through formal classroom instruction and personnel on the job training with more experienced project supervisors.

31. KEYWORD: OPERATIONS

ITEM: PROJECT PLANNING

DISCUSSION: Seabees continue to have difficulty planning and executing projects using Seabee Construction Management (SCM). The constant changes made to each SCM version made learning the system difficult and delayed the planning process. SCM was also designed to work with Microsoft Office 2007 Programs but ONE-NET computers do not have the necessary software.

RECOMMENDATION: Recommend SCM training is provided in homeport so Seabees have knowledge of the system and can use it effectively.

32. KEYWORD: OPERATIONS

ITEM: EXISTING UTILITIES AND PRINTS

DISCUSSION: A significant number of unmarked utilities were encountered on numerous of job sites after utilities were marked. Many of the locations of water and sewer lines notated on the prints were incorrect.

RECOMMENDATION: Ensure the most up to date prints are acquired and retained at the project site.

33. KEYWORD: OPERATIONS

ITEM: THEATER SECURITY COOPERATION PROGRAM LNO TRAINING

DISCUSSION: Most LNOs deploy with limited training on what their specific mission was, and what tools were needed and/or available to execute that mission. The integrated exercise (IEX) prior to deployment with the Theater Security Cooperation Officer (R38) was the first exposure, but didn't give the LNOs much time to really understand their role in relation to 30NCR, FEARLESS 74 and the Country Team, or for them to develop their strategic execution plan.

RECOMMENDATION: FEARLESS 74 provided analysis and recommendations for pre-deployment LNO training and selection to 30NCR. This proposal should be implemented, and periodically reviewed, to ensure that LNOs are capable of successfully executing the missions of their Battalion, the Regiment and the Country Teams.

34. KEYWORD: OPERATIONS

ITEM: THEATER SECURITY COOPERATION EMBASSY INVOLVEMENT

DISCUSSION: Dependent on geographical proximity between the U.S. Embassy and Detail, along with the maturity of mission in a country, the amount of encouraged participation by Seabee Chiefs and Officers can vary. In Timor Leste, Ambassador Fergin is very proud of the Seabee accomplishments and looks to highlight our presence with every official event remotely connected to our deployed mission. While the LNO has the implicit task of representing the NCF at these events, the other Chiefs and Officers may not be as well versed in protocol/talking points, generating the possibility for negative exposure.

RECOMMENDATION: All E-7 and above, assigned to TSCP missions, should participate in pre-deployment training for Liaison Officers, this will ensure that they are well versed in the particular dynamics for the country, and that they can provide an aligned NCF vision when, or if, they are invited to Embassy functions.

35. KEYWORD: OPERATIONS

ITEM: TSCP PLANNING

DISCUSSION: TSCP missions require significant, deliberate advanced planning prior to mission execution. Very few battalion staff officers have experience with TSC operations.

RECOMMENDATION: Specify mission planning, mission execution and reporting requirements in deployment order.

36. KEYWORD: OPERATIONS

ITEM: MATERIAL

DISCUSSION: Material issues, including material requirements, quality, procurement and delivery should be taken into account when ordering materials. Inability to get the correct material on time leads to project delays.

RECOMMENDATION: Meet with vendors prior to purchasing material to ensure product is what is required. Be conscious of the cost effectiveness of local vendors versus importing of Class IV material then aggressively track all long lead time materials prior to deployment.

37. KEYWORD: OPERATIONS

ITEM: COORDINATION

DISCUSSION: Coordination between the project crews and construction contractors lead to delays in project completion.

RECOMMENDATION: Coordinate with all construction contractors to synchronize levels two's for greater efficiency.

38. KEYWORD: OPERATIONS

ITEM: EXPERIENCE

DISCUSSION: Inexperience of project crews can lead to project delays.

RECOMMENDATION: Ensure crew leaders get proper training while in homeport and ensure quality control maintains oversight of all aspects of construction to limit the amount of rework.

39. KEYWORD: OPERATIONS

ITEM: CUSTOMER OPERATIONS

DISCUSSION: Customer operations take priority over construction operations.

RECOMMENDATION: Coordinate as much as possible with specific departments to ensure department is open and ready to take care of outstanding issues.

40. KEYWORD: OPERATIONS

ITEM: DIG PERMITS

DISCUSSION: Some locations have historical meanings to the host nationals and require dig permits to ensure the project site is not in a protected location.

RECOMMENDATION: Plan for an extended period before dig permits are approved (typically 1.5 months in Okinawa).

41. KEYWORD: OPERATIONS

ITEM: COMMUNICATION

DISCUSSION: Maintaining constant communication up and down the chain of command is critical among key players (Crew Leaders, Project Supervisors, Detail Operations, QC, and Safety).

RECOMMENDATION: Weekly operations meetings should be held to ensure issues are brought forth and situational awareness for all parties.

42. KEYWORD: OPERATIONS (CS)

ITEM: PLANNING

DISCUSSION: White Beach Pier has multiple gazebos of the same design, but do not possess pre-fabricated forms.

RECOMMENDATION: Purchasing prefabricated forms would significantly save the government funds and time in the fabrication of the structure.

43. KEYWORD: OPERATIONS (SA)

ITEM: LEADERSHIP CHANGES

DISCUSSION: Changes in Detail leadership due to Battalion needs, personnel issues, and disciplinary reasons have a potentially negative affect to the success of the Detail. Replacement personnel are not normally available and may not have the required training.

RECOMMENDATION: Recommend personnel being moved should remain on site long enough to train replacement personnel or ensure that replacement personnel are qualified to fill the position.

44. KEYWORD: OPERATIONS (DG)

ITEM: CONSTRUCTION SEQUENCE

DISCUSSION: For the Contractor Living Units (CLUs), installing the windows after the wall sheet metal required the wall sheeting screws to be loosened prior to window installation. Additionally, the roof ridge caps were not identically manufactured, affecting the alignment.

RECOMMENDATION: Install windows before the wall sheet metal. Ensure you place multiple layers of roof sheet metal on both sides of ridge cap to ensure the ridge cap is aligned properly.

45. KEYWORD: OPERATIONS (DG)

ITEM: SOIL COMPACTION

DISCUSSION: Excavations on the island typically have difficulties achieving a 95% compaction rating.

RECOMMENDATION: Consider design changes or based on soil analysis.

46. KEYWORD: OPERATIONS (KHM)

ITEM: DETAILED SITE SURVEY

DISCUSSION: Pre-Deployment Site Survey (PDSS) did not include a sufficient recon of the project sites.

RECOMMENDATION: The PDSS for the exercise should include a more robust engineering recon of the proposed ENCAPs. Basic evaluations of the site/soil/lay down factors could be determined during the PDSS which would influence possible adjustments to the BOM and alleviate possible unforeseen conditions during construction. Ensure engineering teams are capable and have the tools to conduct a proper engineering recon to include: establishing benchmarks, finished floor elevations, soil samples (if required), lay down area measurements and material storage plans.

47. KEYWORD: OPERATIONS (KHM)

ITEM: DETAILED ESTIMATE DEVELOPMENT

DISCUSSION: The Bill of Materials (BOMs) were significantly altered during construction of ENCAPs. This was due to insufficient time allotted during the PDSS to develop detailed estimates based on existing conditions and site considerations.

RECOMMENDATION: Ensure engineering teams are given projects drawings and BOM templates prior to the PDSS for review and allow sufficient time during the PDSS at each project site to perform detailed estimates taking into consideration unique site conditions.

48. KEYWORD: OPERATIONS (KHM)

ITEM: WATER QUALITY

DISCUSSION: Cambodia has potential for arsenic to be present in ground water sources.

RECOMMENDATION: Best practice is to ensure all water well projects include arsenic as an item to be tested for following the completion of the water well.

49. KEYWORD: OPERATIONS (KHM)

ITEM: PROJECT DOCUMENTATION

DISCUSSION: After Action Reports (AARs), Deployment Completion Reports (DCRS), and some other reports do not require a location in the form of a Lat/Long or a MGRS Grid to be included. This makes finding previous projects in the developing world very difficult, especially when follow-on assessments are required to properly assess the project's measure of effectiveness.

RECOMMENDATION: Recommend that exercise related AARs include grids and project SITREPs for DCRs include grids for CCAD projects.

50. KEYWORD: OPERATIONS (PHL)

ITEM: WEATHER

DISCUSSION: The Detail deployed to the Philippines during rainy season (July through October) and quickly learned the impact the weather has on project completion. The inclement weather experienced on a daily basis caused more delays than anticipated.

RECOMMENDATION: Incorporate weather delays during the rainy season into the planning and estimating process.

51. KEYWORD: OPERATIONS (PHL)

ITEM: RENOVATION VERSUS NEW CONSTRUCTION

DISCUSSION: Although cost savings are beneficial to mission accomplishment, the amount of time necessary to renovate existing concrete facilities often times do not overcome the cost savings.

RECOMMENDATION: If renovation is the selected option, consider removal of all stucco and CMU, leaving only the concrete structure and floor. This is much quicker than trying to repair the deteriorating blocks and will enhance the final aesthetics.

52. KEYWORD: OPERATIONS (TL)

ITEM: PLANNING

DISCUSSION: Project identification and planning/estimating need to be completed about 60 days prior to the relieving NMCB arrives in order to receive materials, resolve material issues, and maintain tasking.

RECOMMENDATION: Begin planning and estimating as early as possible to ensure BMs are submitted well before execution of the project.

53. KEYWORD: OPERATIONS (TL)

ITEM: COMMUNICATION

DISCUSSION: Work induction must meet the Embassy mission, requires Timor Ministry's approval and must be coordinated with the 30 NCR and NAVFAC prior to execution.

RECOMMENDATION: Ensure constant communication and involvement of all applicable parties.

54. KEYWORD: OPERATIONS (TL)

ITEM: COMMUNITY RELATIONS EVENTS (COMRELS)

DISCUSSION: COMRELS provide the largest impact and utilize the fewest amount of people. Many organizations have materials on hand but lack the technical expertise to accomplish their goals. The combination of materials on hand, limited government involvement, and Embassy support makes these projects easy to develop, execute and complete.

RECOMMENDATION: Continually look to execute COMRELS through the duration of deployments.

55. KEYWORD: OPERATIONS AND SUPPLY

ITEM: COORDINATION

DISCUSSION: Phone call communication can be crucial to the timely and effective delivery of information, and tend to avoid misunderstandings that may develop when corresponding by email only.

RECOMMENDATION: Utilize phone calls as the primary method to coordinate major events, processes, or issues, and send a follow-up e-mail to confirm the coordination.

56. KEYWORD: SUPPLY (CS)

ITEM: WEB ENABLED DATA BASE NETWORK

DISCUSSION: Supply department personnel did not have access to all required online databases upon arrival.

RECOMMENDATION: Supply/MLO department personnel should request access to the following systems: MicroSNAP, WebSKED, STARS-FL, and Ground Ports and ensure to enquire about additional requirements from the Battalion being relieved.

57. KEYWORD: SUPPLY (CS)

ITEM: GOVERNMENT PURCHASE CARD (GCPC)

DISCUSSION: The GCPC program is relied on as the primary funding source for consumable and repair material. Personnel assume all purchase requests can be handled on the local economy or through various online vendors as requirements arise and do not forecast demands or research availability through available government sources (Supply System, DLA, and GSA).

RECOMMENDATION: Departments, Companies, and Details designate two personnel (one primary, one alternate) to generate purchase requests. These requests should be submitted through the Department Head (DH), Company 6, or Detail OIC for final review and approval. Every effort should be made to verify items have an applicable National Stock Number (NSN) or suitable substitute with an applicable NSN.

58. KEYWORD: SUPPLY (CS)

ITEM: SYSTEM TRAINING

DISCUSSION: FEARLESS 74 received conflicting report training on MicroSNAP, and no training on Project Material Management (PMM) systems. Hardcopy desktop guides and online single reference portal did not exist. The Supply department received a locally compiled desktop guide during turnover for MicroSNAP and provided copies to each TOA maintained site (Okinawa and Guam). MLO received very little training and learned PMM through email training sessions.

RECOMMENDATION: Ensure all required personnel are trained on the use of MicroSNAP and PMM and ensure references are readily available for issues that may arise.

59. KEYWORD: SUPPLY (CC)

ITEM: CTR TOOL ACCOUNTABILITY

DISCUSSION: During turnover, Detail OICs for Guam supported details completed an OIC to OIC turnover of all detail assets, including CTR tools. However, after turnover, it was difficult for the CTR custodians at the Detail sites to synchronize and agree on accurate inventories.

RECOMMENDATION: The Detail Guam CTR custodian should become intimate with tool custody during homeport and instruct Detail CTR representatives before deployment to ensure everyone understand the turnover process.

60. KEYWORD: SUPPLY (SA)

ITEM: BILL OF MATERIAL/MATERIAL TAKE-OFF COMPARISON

DISCUSSION: During project planning phase, it is necessary to pay close attention to the material take-off comparison in order to minimize the need for add-on BMs. Crew leaders were relatively junior and unfamiliar with the process.

RECOMMENDATION: Recommend greater emphasis on this aspect of project planning to avoid costly delays waiting for necessary materials.

61. KEYWORD: SUPPLY (SA)

ITEM: CTR EQUIPMENT AVAILABILITY

DISCUSSION: Most Details have construction activities that require the use of same tools. These tools may be checked out by a specific detail but not utilized 100% of the time. There is a good chance that other details will require that item to complete work. It may be cost effective to ship items to other details rather than purchase or lease them.

RECOMMENDATION: Recommend Detail CTR representatives compare inventories.

62. KEYWORD: SUPPLY (DG)

ITEM: 100% MATERIAL INVENTORY

DISCUSSION: Ensure that all material ordered for projects is accounted for by NMCB personnel after arrival on the island. Material was typically stored in the Seabee warehouse as well as various other warehouses owned by the installation.

RECOMMENDATION: Ensure 100% accountability on all materials. Do not take the subcontractors word that items are on the island.

63. KEYWORD: SUPPLY (DG)

ITEM: CONTRACTOR QC

DISCUSSION: Subcontractor work was not always held to the same QC standards as work done by Seabees.

RECOMMENDATION: Ensure QC inspects work being completed by subcontractors meets required QC standards. Deficiencies in their work reflect poorly on the NCF.

64. KEYWORD: SUPPLY (KO)

ITEM: LOCAL NATIONALS

DISCUSSION: Expect work to move at a slower pace when working with host nationals who are not proficient with construction methods or general construction practices. Expect delays when procuring materials from local suppliers who are not as concerned with project completion.

RECOMMENDATION: Expect delays with testing, material procurement, and services.

65. KEYWORD: SUPPLY (KHM)

ITEM: SAFETY EQUIPMENT

DISCUSSION: In order to maintain jobsite safety, host nation civilian workers, RCAF Engineers, embarked civilian engineers and volunteers were required to wear Personal Protective Equipment (PPE) including hard hats, gloves and safety glasses. The host nation does not normally wear this equipment so enforcement of this rule was difficult and PPE was purchased through the contracting officer for their use while on the worksite.

RECOMMENDATION: PPE for planned host nation support should be purchased as a part of BOMs so host nation support can begin construction alongside Detail personnel with the correct PPE. Inventory and collection of hardhats should be completed at the end of the project and retained for future projects if applicable.

66. KEYWORD: SUPPLY (KHM)

ITEM: WATER WELL MATERIAL

DISCUSSION: The galvanized draw pipe used in existing water wells frequently rusts and need to be replaced.

RECOMMENDATION: Make it a standard practice to install PVC draw pipe to avoid extensive rusting or utilize only CONUS procured galvanized draw pipe for water wells.

67. KEYWORD: SUPPLY (PHL)

ITEM: MATERIALS

DISCUSSION: Local materials and construction standards are significantly different than U.S. standards. Ensure that a specified mix is given to the concrete contractors upon ordering to ensure you get what you want and don't be surprised if the contractor does not have a truck to deliver concrete and mix it onsite.

RECOMMENDATION: During the planning phase, account for delays in work due to the adjustment period needed to acclimate to different construction methods.

68. KEYWORD: SUPPLY (TL)

ITEM: MATERIALS

DISCUSSION: Currently, it takes roughly 45 days, from initial BOM submittal, to receive material.

RECOMMENDATION: Expect delays for material delivery and ensure projects are planned and estimated and BOMs are created well before the execution of the project.

69. KEYWORD: SUPPLY (FSM)

ITEM: LOGISTICS

DISCUSSION: Delay in delivery of CESE/Equipment and contracted materials caused a delay in the execution of the tasked projects. The materials were contracted from suppliers in Pohnpei, FSM which is 1,500 miles from the project sites.

RECOMMENDATION: Contract materials with local vendors who could support the Detail and deliver material on time. The face to face interactions with the supplier would also improve the relationship between the US and host nationals.

70. KEYWORD: SUPPLY (FSM)

ITEM: EMERGING REQUIREMENTS

DISCUSSION: The plan in place for emerging requirements was inadequate to deal with the issues that arise during renovation projects. The plan for emerging requirements was to contract with the original suppliers but delivery time was about 2 weeks, causing delays in project completion. An open purchase request could not be used because the hardware stores only accept cash.

RECOMMENDATION: Recommend contracting with local suppliers for the original BOM or include a line item within the life support contractor to allow purchase of needed materials for projects.

71. KEYWORD: CAMP MAINTENANCE (CS)

ITEM: INSPECTIONS

DISCUSSION: Completed camp maintenance work did not always solve the issue that was reported.

RECOMMENDATION: Ensure proper inspections of work are done on a daily basis by knowledgeable staff to ensure that work is completed effectively with little to no rework required.

72. KEYWORD: EMBARK (KHM)

ITEM: SHIPMENT CONTRACTING

DISCUSSION: The Embassy contracts through 2 companies to serve as customs brokers for transportation and delivery of cargo. Extensive coordination is required to deal with the local companies.

RECOMMENDATION: Ensure contract include the transportation of cargo (CESE/containers) from the port to the project site or arrange for a BOS contract to pick up cargo at the port and transport under control of CCAD Cambodia's direction.

73. KEYWORD: EMBARK (KHM)

ITEM: SHIPMENT PROCESS

DISCUSSION: Extensive coordination is required between NCF organizations in order to properly and effectively ship items (CESE, cargo, materials) to Cambodia. Coordination between the shipping and receiving units is extremely important due to unique requirements of the Embassy and Cambodian Ministry of Foreign Affairs.

RECOMMENDATION: Early, frequent, and clear communication required.

74. KEYWORD: EMBARK (PHL)

ITEM: SHIPMENTS IN AND OUT OF COUNTRY

DISCUSSION: Shipping logistics in and out of country require coordination between the LNO, Embassy Shipping CPO, and Supply Department.

RECOMMENDATION: Synchronization and information sharing will prevent supplies from being delayed or lost in customs. The LNO and Supply LPOs need to be familiar with the process and need to give advance notice of any shipments coming into country.

75. KEYWORD: EQUIPMENT OPERATIONS (CS)

ITEM: MICROSAP TRAINING

DISCUSSION: During the homeport training block, Gulfport based NMCB Personnel were trained on Organizational Maintenance Management System - Next Generation (OMMS-NG) and not MicroSNAP. It is imperative that the personnel managing receive adequate training on the programs that are used across different theaters. Additionally, login requirements for each system are difficult to find and limit the efficiency due to no connectivity capability.

RECOMMENDATION: In depth on the job training is required to get the Work Center Supervisors and Repair Parts Petty Officers up to speed while completing the Battalion Equipment Evaluation Program.

76. KEYWORD: EQUIPMENT OPERATIONS (CS)

ITEM: PAINT SHOP SPECIFIC TRAINING

DISCUSSION: No classes are offered for paint booth operations while in the homeport training phase. With the degrading condition of the PACOM TOA, this skill is greatly needed and should be a focus item for the homeport Battalions scheduled for the PACOM Theater.

RECOMMENDATION: OJT is a good way to gain the required skill and receive the training needed to accomplish the maintenance action. However, a formal class detailing specific Safety & HAZMAT handling requirements would be more effective and beneficial to deploying Battalions.

77. KEYWORD: EQUIPMENT OPERATIONS (CS)

ITEM: PERMITS

DISCUSSION: Oversized permits are a long lead time item. This issue was not made aware to NMCB 74 prior to deployment and during turnover, creating significant delays to projects and exercises.

RECOMMENDATION: Prior planning is required as it can take between ten days to two months to receive permit approval.

78. KEYWORD: EQUIPMENT OPERATIONS (CS)

ITEM: MASTER COLLATERAL LIST

DISCUSSION: The Master Collateral list from the portal and the local Master Collateral list were different. This greatly impacted the BEEP process.

RECOMMENDATION: 30NCR is developing a site specific Collateral lists that will streamline the BEEP process.

79. KEYWORD: EQUIPMENT OPERATIONS (CC)

ITEM: COMMUNICATION

DISCUSSION: It was critical to maintain the constant communication with Mainbody Alfa Company, 30 NCR site managers, 31 SRG staff and DET OICs and AOICs. Communication between Detail Guam A6, A4 and A3 and these key players on a daily basis was critical for all personnel to remain abreast of current issues and stay synchronized with CESE management. Additional coordination with Detail Guam Embark and Supply was beneficial and helped to maintain oversight of CESE and part shipments.

RECOMMENDATION: Maintain constant communication across all departments.

80. KEYWORD: EQUIPMENT OPERATIONS (CC)

ITEM: EQUIPMENT PRESERVATION

DISCUSSION: The use of CESE on project sites/local causes minor issues to arise from general wear and tear on the equipment.

RECOMMENDATION: Teamwork between the Operations and Maintenance staff was imperative to properly rotating equipment through Inactive Equipment Maintenance based on forecasted Detail Guam Operations. Performing proper preventive maintenance, corrosion control (implementing thorough cleaning at the wash rack and performing spot painting) and utilization of the equipment hard card process to identify equipment deficiencies were additional measures taken to support equipment preservation in a highly challenging climate.

81. KEYWORD: EQUIPMENT OPERATIONS (CC)

ITEM: DEADLINE CESE

DISCUSSION: Repair parts for CESE on deadline were not always ordered/delivered on time and deadline CESE was not repaired in a timely manner.

RECOMMENDATION: Implement a weekly meeting to include Maintenance Staff (Maintenance Supervisor, Cost Control, Repair Parts Petty Officers, Parts Expeditors, and Work Center Supervisors) with Supply to discuss the parts status for deadline CESE, realign priorities of effort, and maintain cross talk.



APPENDIX II

DEPLOYMENT JOURNAL

JUNE 2012

15JUN12 – 21JUN12 CCAD Cambodia (CCAD KHM) turns over with NMCB 40
24JUN12 – 10AUG12 CCAD KHM conducts Pacific Partnership 2012, Cambodia
24JUN12 – 10AUG12 CCAD KHM constructs Kampong Kreng Maternity Building
24JUN12 – 10AUG12 CCAD KHM constructs Prey Slek Maternity Building

JULY 2012

03JUL12 NMCB 74 Advanced Party (AP) deploys to PACOM
04JUL12 NMCB 74 APs arrive in Okinawa and Guam
05JUL12 – 13JUL12 NMCB 74 turns over with NMCB 40
05JUL12 NMCB 74 Guam based Details depart
06JUL12 NMCB 74 Okinawa based Details depart
07JUL12 NMCB 74 Commanding Officer/Command Master Chief (CO/CMDCM)
arrive in Okinawa
14JUL12 – 10AUG12 CCAD KHM constructs O' Chrov Health Center Maternity Building
15JUL12 NMCB 74 Mainbody (MB) arrives in Okinawa and Guam
16JUL12 Detail MBs deploy from Okinawa and Guam
18JUL12 – 17AUG12 Detachment JSOTF-P executes LCE Hurricane Deck Refurbishment
18JUL12 – 27SEP12 CCAD Philippines (CCAD PHL) executes Bacungan
National High School Renovation
19JUL12 – 04OCT12 Detail Guam constructs Softball Head Facility
19JUL12 – 29DEC12 Detail Guam constructs Polaris Point Water Tanker Storage Facility
19JUL12 – 29DEC12 Detail Guam conducts Orote Point Quarry Operations
21JUL12 – 23JUL12 30NCR R00 and R00C visit CCAD KHM
21JUL12 – 04OCT12 Detail Sasebo executes Drainage Ditch Magazine 709 Maebata Repair
21JUL12 – 07DEC12 Detail Sasebo constructs Trash Enclosures
21JUL12 – 29DEC12 Camp Shields constructs Communications Pad
21JUL12 – 29DEC12 Camp Shields constructs Ordnance Operations PEB
21JUL12 – 29DEC12 Detail Diego Garcia constructs Contractor Living Unit #5
23JUL12 – 17OCT12 Detail Chinhae constructs Dry Storage PEB for Public Works

24JUL12 – 26JUL12 30NCR R00 and R00C visit Okinawa for Change of Command

25JUL12 NMCB 74 Change of Command Ceremony in Okinawa

25JUL12 CCAD PHL conducts COMREL at Bacungan National High School

25JUL12 – 29SEP12 Detachment JSOTF-P begins Civic Center Tile Replacement

26JUL12 – 27JUL12 RADM Brown, Deputy Commander FIRST Naval Construction
Division, visits Detail Guam

26JUL12 – 29JUL12 CO/CMDCM detail swing to Detail Yokosuka

AUGUST 2012

01AUG12 – 31AUG12 Mainbody Okinawa supports Ulchi Freedom Guardian Exercise

01AUG12 – 07NOV12 Detail Guam constructs Communications Shelter Expansion

02AUG12 RADM Wetherald, Deputy CSO for Plans, Policies and Requirements,
USPACFLT, visits Cambodia Pacific Partnership

03AUG12 – 07AUG12 CO/CMDCM detail swing to CCAD KHM

06AUG12 – 09NOV12 Detail Guam constructs Steel Range Berm

07AUG12 – 29SEP12 Detachment JSOTF-P constructs TOC Tile Placement

09AUG12 – 14AUG12 CO/CMDCM detail swing to Detail Guam, Detail Chinhae,
and Detail Sasebo

10AUG12 CAT Palau support deploys to Palau

11AUG12 – 29DEC12 Detail Yokosuka constructs PEB for Fuels Department

11AUG12 CCAD Federated States of Micronesia (CCAD FSM) AP deploys to Yap

13AUG12 – 31AUG12 Detachment JSOTF-P constructs LCE Hurricane Laundry Facility

15AUG12 – 18AUG12 CCAD KHM constructs Ream Naval Base Waterwell

15AUG12 – 29DEC12 Detail Yokosuka conducts 7th Fleet Pier Upgrades

16AUG12 – 29DEC12 Detail Guam constructs Camp Covington Medical Facility

17AUG12 – 21AUG12 Rear Admiral Handley visits Okinawa for UFG Exercise

18AUG12 CCAD KHM conducts COMREL at Sihanouk Orphanage

20AUG12 – 29AUG12 Detail Chinhae constructs Hardened Bunker Project
for UFG Exercise

20AUG12 – 31AUG12 Rear Admiral Brown visits Okinawa for UFG Exercise

DEPLOYMENT JOURNAL

A-2

20AUG12 – 07SEP12 CCAD KHM conducts Sang Krat Primary School Renovation
21AUG12 – 23NOV12 CCAD PHL constructs Mangingisda Elementary School
25AUG12 – 31AUG12 RADM Handley visits Okinawa for UFG Exercise
27AUG12 – 29AUG12 Detail Diego Garcia constructs Weapons Department Smoke Deck
27AUG12 – 07SEP12 CCAD KHM constructs Sang Krat School Waterwell
27AUG12 – 05OCT12 CCAD KHM constructs Hun Sen Krong School Renovation
30AUG12 CCAD FSM MB arrives in Yap
30AUG12 – 07SEP12 CO/CMDCM detail swing to CCAD PHL and Detachment JSOTF-P

SEPTEMBER 2012

01SEP12 – 30SEP12 NMCB 74 Seabees support Bangladesh Interoperability Program
03SEP12 – 05SEP12 30NCR conducts Detail Diego Garcia Operational
Readiness Inspection
06SEP12 Secretary of State Clinton visits Detail Timor Leste (CCAD TL)
07SEP12 CCAD FSM conducts COMREL at Yap Catholic High School
07SEP12 – 09SEP12 30NCR conducts Detail Chinhae Operational Readiness Inspection
07SEP12 – 11OCT12 CCAD FSM conducts Beleau Early Education
Center Renovation
07SEP12 – 15OCT12 CCAD FSM conducts Dalipebinaw Early
Education Center Renovation
07SEP12 – 29DEC12 Detail Sasebo constructs Inert Storage PEB at Dry Dock #2
09SEP12 – 19SEP12 Detail Guam supports Exercise Tempest Wind 2012
10SEP12 – 24SEP12 CCAD TL conducts COMREL at Dili Orphanage
10SEP12 – 08OCT12 CCAD KHM conducts Ream Warehouse and Yard Improvements
11SEP12 – 01OCT12 CCAD TL constructs Soibada Water Supply
11SEP12 – 13SEP12 30NCR conducts Detail Sasebo Operational Readiness Inspection
12SEP12 – 29SEP12 CCAD TL conducts COMREL at Assert Rehab Facility
14SEP12 NMCB 74 pins 5 new Chief Petty Officers
15SEP12 – 19SEP12 30NCR conducts Detail Yokosuka Operational
Readiness Inspection
17SEP12 – 21SEP12 CO/CMDCM detail swing to CCAD TL

17SEP12 – 28OCT12 CCAD FSM conducts Dalipebinaw Restroom Renovations
 17SEP12 – 26OCT12 CCAD FSM conducts Tomil Early Education Center Renovation
 20SEP12 – 25SEP12 30NCR conducts Mainbody Operational Readiness Inspection
 22SEP12 CCAD FSM conducts COMREL Tomil Road Improvements
 22SEP12 – 26SEP12 Home Training Conference in Gulfport, MS
 24SEP12 – 19OCT12 CCAD KHM constructs Ream Navy Boot Camp Waterwell
 26SEP12 – 28SEP12 Mainbody conducts 48-Hour Mount Out Exercise
 29SEP12 CCAD KHM conducts COMREL at O Chrov Primary School

OCTOBER 2012

01OCT12 – 06OCT12 CO/CMDCM detail swing to Detail Diego Garcia
 07OCT12 CCAD PHL conducts COMREL at Bahay Ni Nanay Orphanage
 07OCT12 – 09OCT12 R00 and R00C visit CCAD FSM
 08OCT12 – 16OCT12 CCAD PHL supports PHIBLEX 2013
 09OCT12 – 29DEC12 Detail Sasebo constructs Drainage Ditch Magazine 3019 Repairs
 10OCT12 – 15OCT12 CCAD TL supports Exercise Crocodilio
 11OCT12 – 14OCT12 NMCB 5 PDSS personnel visit Okinawa
 11OCT12 – 14OCT12 R00 and R00C visit CCAD KHM
 12OCT12 CCAD FSM conducts Tomil Road Improvements
 12OCT12 CCAD FSM conducts COMREL at Seventh Day Adventist School
 13OCT12 Mainbody conducts M16 and M9 Range
 13OCT12 Navy Ball at Camp Butler Officer’s Club
 15OCT12 – 19OCT12 Detail Diego Garcia constructs CPO Wall Cap
 15OCT12 – 19OCT12 Mainbody conducts Military Training Block
 15OCT12 – 19NOV12 CCAD KHM constructs Kampong Tralach Community Center
 15OCT12 – 22OCT12 CCAD KHM constructs Hun Sen Krong Waterwell
 18OCT12 – 26NOV12 CCAD FSM constructs Yap High School Multi Purpose Court
 18OCT12 – 26NOV12 CCAD FSM conducts Yap High School PE Building Renovation

19OCT12 Mainbody conducts Over-the-Hump Party
20OCT12 CCAD FSM conducts Gagil Road Improvements Project
22OCT12 – 23OCT12 30NCR conducts End of Deployment Review at Detail Guam
22OCT12 – 29DEC12 Detail Diego Garcia constructs Ship Store Stock Room
24OCT12 – 25OCT12 30NCR conducts End of Deployment Review at Detail Chinhae
26OCT12 – 28OCT12 30NCR conducts End of Deployment Review at Detail Sasebo
26OCT12 – 15DEC12 Detail Chinhae constructs Equipment Storage and Parking Area
27OCT12 CCAD KHM conducts COMREL at Phnum Sruoch District Primary School
27OCT12 – 29OCT12 R00 and R00C visit CCAD TL
29OCT12 – 31OCT12 30NCR conducts End of Deployment Review at Detail Yokosuka
29OCT12 – 07NOV12 CCAD TL constructs Hiam Solar Power Water Heater
30OCT12 – 01NOV12 R00 and R00C visit CCAD PHL
30OCT12 – 02NOV12 Detail Diego Garcia constructs Britt Club Deck

NOVEMBER 2012

01NOV12 – 21NOV12 CCAD TL constructs Alieu Kitchen
01NOV12 – 29DEC12 Detail Yokosuka constructs FISC PEB Warehouse
02NOV12 – 06NOV12 30NCR conducts End of Deployment Review at Mainbody
06NOV12 – 10NOV12 CO/CMDCM detail swing to Detail Yokosuka
07NOV12 – 10NOV12 CCAD KHM constructs O Chrov Primary School Waterwell
09NOV12 – 10NOV12 CCAD FSM conducts COMREL at Yap Canoe Festival
13NOV12 – 16NOV12 Detail Diego Garcia begins CPO Wall Divider
14NOV12 – 21NOV12 CO/CMDCM detail swing to Detail Guam and CCAD FSM
15NOV12 – 29DEC12 Mainbody begins Concrete Gazebo
16NOV12 – 20NOV12 NMCB 74 deploys Tiger Team to Yokosuka for project reviews
17NOV12 CCAD KHM conducts COMREL at Prey Slek/Kampong Kreng Health Clinics
19NOV12 – 29DEC12 Detail Chinhae constructs Sidewalks, Steps, Curbs and Handrails
25NOV12 – 27NOV12 Ambassador Rosen visits CCAD FSM

- 26NOV12 – 05DEC12 CO/CMDCM detail swing to Detail Chinhae, Detail Sasebo and CCAD KHM
- 26NOV12 – 29DEC12 CCAD TL constructs Metinaro Primary School and Kitchen
- 26NOV12 – 29DEC12 Detail Yokosuka constructs Bollard Installation

DECEMBER 2012

- 03DEC12 – 28DEC12 CCAD PHL constructs Macarascas Cement Water Tank
- 04DEC12 – 29DEC12 Mainbody constructs CTF76 Warehouse at White Beach
- 05DEC12 – 12DEC12 Okinawa supports Air Force Silver Flag Training in Okinawa
- 06DEC12 RADM Tillotson visits Camp Shields
- 06DEC12 VADM Swift visits Camp Shields
- 11DEC12 USO conducts Holiday Dinner at Camp Shields
- 11DEC12 – 23DEC12 CO/CMDCM detail swing to CCAD PHL, CCAD TL, and Detail Diego Garcia
- 29DEC12 Last day of work for all NMCB 74 personnel
- 29DEC12 – 30DEC12 Detail APs redeploy to Okinawa/Guam

JANUARY 2013

- 03JAN13 NMCB 5 AP arrives in Okinawa
- 03JAN13 NMCB 74 APs redeploy to Gulfport
- 07JAN13 Turnover with NMCB 5 begins
- 12JAN13 All turnover projects turned over to NMCB 5
- 13JAN13 – 16JAN13 Detail MBs redeploy to Okinawa/Guam
- 14JAN13 NMCB 74 turns over Camp Shields to NMCB 5
- 17JAN13 NMCB 74 turns over Camp Covington to 84th Engineering Battalion
- 17JAN13 NMCB 74 MB redeploys to Gulfport
- 20JAN12 Detail Guam MB redeploys to Gulfport