



Deployment Completion Report  
December 2010 – August 2011

CHAPTER	CONTENTS	PAGE
I	Executive Summary .....	10
II	Administrative.....	18
III	Safety	26
IV	Communications/Training/Armory.....	28
	Communications.....	29
	Training Summary .....	29
	Armory .....	32
V	Operations .....	34
	Operations Department.....	35
	Mainbody (Line Companies)	
	Alfa Company (Rota, Spain) .....	37
	Bravo Company (Rota, Spain).....	45
	Detachment Croatia	
	• Operations Summary .....	61
	• Project Summaries.....	63
	Detachment HOA	
	• Operations Summary .....	73
	• Project Summaries.....	75
	Detachment Water Well	
	• Operations Summary .....	78
	• Project Summaries.....	80
	Detachment Macedonia	
	• Operations Summary .....	83
	• Project Summaries.....	84
	Detachment One	
	• Operations Summary .....	89
	Detachment Romania	
	• Operations Summary .....	93
	• Project Summaries.....	95
	Detachment Sigonella	
	• Operations Summary .....	99
	• Project Summaries.....	100
	Detachment West Africa	
	• Operations Summary .....	105
	• Project Summaries.....	107

	<b>Detachment African Partnership Stations</b>	
	• Operations Summary .....	<b>112</b>
	• Project Summaries.....	<b>114</b>
	<b>Detachment Morrocco</b>	
	• Operations Summary .....	<b>116</b>
	• Project Summaries.....	<b>117</b>
	<b>Detachment Senegal</b>	
	• Operations Summary .....	<b>119</b>
	• Project Summaries.....	<b>120</b>
<b>VI</b>	<b>Supply .....</b>	<b>122</b>
<b>Appendix I</b>	<b>Lessons Learned .....</b>	<b>128</b>
<b>Appendix II</b>	<b>Deployment Journal .....</b>	<b>138</b>

<b>ACRONYMS LIST</b>	
<b>20 SRG</b>	<b>20th Seabee Readiness Group</b>
<b>AFRICOM</b>	<b>United States Africa Command</b>
<b>AHLTA</b>	<b>Armed Forces Health Longitudinal Technology Application</b>
<b>AMR</b>	<b>Air Movement Request</b>
<b>AO</b>	<b>Area of Operations</b>
<b>AOR</b>	<b>Area of Responsibility</b>
<b>APS</b>	<b>African Partnership Station</b>
<b>ARP</b>	<b>Automotive Repair Parts</b>
<b>BEEP</b>	<b>Battalion Equipment Evaluation Program</b>
<b>BM</b>	<b>Bill Of Materials</b>
<b>CPR</b>	<b>Cardiopulmonary Resuscitation</b>
<b>C6F</b>	<b>Commander Sixth Fleet</b>
<b>CHCS</b>	<b>Composite Health Care System</b>
<b>CJTF</b>	<b>Combined Joint Task Force</b>
<b>CLU</b>	<b>Containerized Living Unit</b>
<b>CTF-XX</b>	<b>Combined Task Force</b>
<b>CTR</b>	<b>Central Tool Room</b>
<b>CTX</b>	<b>Construction Training Exercises</b>
<b>CS</b>	<b>Culinary Specialists</b>
<b>DADT</b>	<b>Don't Ask Don't Tell</b>
<b>DET</b>	<b>Detachment/ Detail</b>
<b>DMV</b>	<b>Dental Weighted Value</b>
<b>DoD</b>	<b>Department of Defense</b>
<b>DOT</b>	<b>Direct Observation Therapy</b>
<b>DRMO</b>	<b>Defense Reutilization Marketing Office</b>
<b>DTS</b>	<b>Defense Travel System</b>
<b>ECC</b>	<b>Evacuation Control Center</b>
<b>EKMS</b>	<b>Electronic Key Management System</b>

<b>ACRONYMS LIST</b>	
<b>ERC</b>	<b>Exercise Related Construction</b>
<b>EUCOM</b>	<b>United States European Command</b>
<b>FAR</b>	<b>Field Adjustment Request</b>
<b>FAST</b>	<b>Fleet Antiterrorism Security Team</b>
<b>FF&amp;E</b>	<b>Furniture, Fixtures &amp; Equipment</b>
<b>FIE</b>	<b>Fly In Echelon</b>
<b>FOL</b>	<b>Forward Operating Location</b>
<b>FOO</b>	<b>Field Ordering Officer</b>
<b>GMT</b>	<b>General Military Training</b>
<b>GPP</b>	<b>Government Passport</b>
<b>GTC</b>	<b>Government Travel Cards</b>
<b>HOA</b>	<b>Horn Of Africa</b>
<b>HSV</b>	<b>High Speed Vessel</b>
<b>JIT</b>	<b>Just In Time</b>
<b>MDA</b>	<b>Maritime Domain Awareness</b>
<b>MLO</b>	<b>Material Liaison Officer</b>
<b>MOU</b>	<b>Memorandum Of Understanding</b>
<b>MOUT</b>	<b>Military Operations in Urban Terrain</b>
<b>MRE</b>	<b>Meal Ready To Eat</b>
<b>MSRON</b>	<b>Maritime Expeditionary Security Squadron</b>
<b>MWR</b>	<b>Morale, Welfare, and Recreation</b>
<b>NASSIG</b>	<b>Naval Air Station Sigonella</b>
<b>NAVOSH</b>	<b>Navy Occupational Safety And Health</b>
<b>NCF</b>	<b>Naval Construction Force</b>
<b>NCTAMS</b>	<b>Naval Computer and Telecommunications Area Master Station</b>
<b>NCTS</b>	<b>Naval Computer and Telecommunications Station</b>
<b>NEO</b>	<b>Non-Combatant Evacuation Operations</b>
<b>NMCB 74</b>	<b>U.S. Naval Mobile Construction Battalion SEVENTY – FOUR</b>

<b>ACRONYMS LIST</b>	
<b>PA</b>	<b>Pay Agent</b>
<b>PAO</b>	<b>Public Affairs Office</b>
<b>PEB</b>	<b>Pre-Engineered Building</b>
<b>PII</b>	<b>Personally Identifiable Information</b>
<b>PMM</b>	<b>Project Material Management</b>
<b>PQS</b>	<b>Personnel Qualification Standards</b>
<b>PW</b>	<b>Public Works</b>
<b>PWD</b>	<b>Public Works Department</b>
<b>RAR</b>	<b>Recorded Accomplishment Rate</b>
<b>RFI</b>	<b>Request For Information</b>
<b>RFS</b>	<b>Request For Support</b>
<b>RMT</b>	<b>Religious Ministry Team</b>
<b>SCW</b>	<b>Seabee Combat Warfare</b>
<b>SME</b>	<b>Subject Matter Expert</b>
<b>SOF</b>	<b>Special Operations Forces</b>
<b>SRG</b>	<b>Seabee Readiness Group</b>
<b>SSA</b>	<b>Seabee Skills Assessment</b>
<b>SSAP</b>	<b>Seabee Skills Assessment Program</b>
<b>TOA</b>	<b>Table Of Allowance</b>
<b>TOPS</b>	<b>Transactions Online Processing System</b>
<b>UGR</b>	<b>Unitized Group Ration</b>
<b>URTP</b>	<b>Unit Readiness Training Plan</b>
<b>UTR</b>	<b>United Through Reading</b>
<b>UXO</b>	<b>Unexploded Ordinance</b>
<b>VIP</b>	<b>Very Important Person</b>
<b>WIP</b>	<b>Work In Place</b>



Chapter I  
Executive Summary

## **Introduction**

U.S. Naval Mobile Construction Battalion SEVENTY FOUR (NMCB 74) successfully completed an eight month deployment in 2010-2011 within the United States European Command/ United States Africa Command (EUCOM/AFRICOM) Area of Operations (AO). The FEARLESS Seabees of NMCB 74 served honorably as a global force for good, supporting the Maritime Strategy in 15 countries, in addition to the Mainbody located in Rota, Spain. NMCB 74 conducted engineering support, and strengthened partnerships through Detachments deployed to Croatia, Italy, Macedonia, Romania, Cameroon, Djibouti, Ethiopia, Gabon, Kenya, Morocco, Nigeria, Senegal, Sierra Leon, Togo, and Uganda.

## **Administration (S1)**

The FEARLESS S1 Department, consisting of five Yeomen efficiently maintained all administrative support and personnel related requirements for more than 550 deployed Seabees. The Mainbody, remained in close contact with all Detachments, providing around the clock customer service and continuous communication with support elements in Gulfport, MS. The Department generated and processed hundreds of pieces of correspondence, and concurrent reports to ensure proper handling of emergency and contingency travel requirements. The Department routed and mailed over 300 combined Enlisted Evaluations and Officer Fitness Reports, and administered the completion of 290 awards. The Personnel section provided guidance and support to 110 transfers and separations, 75 gains, and 95 promotions and also conducted pay and entitlement audits for the entire Battalion.

## **Intelligence (S2)**

The FEARLESS S2 Department ensured the valuable information concerning the latest potential threats, violent political crises, and weather conditions that could affect operations for the 15 Detachments that was always up to date and available. The Department was played a key role in coordinating with EUCOM, AFRICOM, Combined Task Force-68 (CTF-68), and Combined Joint Task Force- Horn of Africa (CJTF-HOA) in support of real-time crisis planning. Additionally, the Department provided on demand intelligence and updated map products throughout the deployment in support of Battalion tasking.

## **Operations (S3)**

The FEARLESS S3 Department planned, led and ensured the quality of construction for over 34,000 Mandays of work in place (WIP) during the deployment. FEARLESS Seabees supported



commands across the EUCOM/AFRICOM AO through Exercise Related Construction, Humanitarian Civic Assistance and Humanitarian Assistance. The Department successfully planned for and launched Detachments to 15 countries [Croatia, Italy, Macedonia, Romania, Cameroon, Djibouti, Ethiopia, Gabon, Kenya, Morocco, Nigeria, Senegal, Sierra Leon, Togo and Uganda] in support of CTF-68, and Commander Joint Task Force Horn of Africa (CJTF-HOA). The Department also stood up and trained Evacuation Control Center (ECC) teams which were prepared to assist in mass evacuation efforts led by CTF-68.



**Ecole 5 School Construction in Camp Lemonnier**

## **Supply (S4)**

The FEARLESS S4 Department proved instrumental to NMCB-74's mission success by procuring over \$2M worth of essential supplies and maintaining accountability on all theater equipment, including \$66M in P-25 Table of Allowance (TOA).

Daily postal operations delivered over 25,000 lbs of mail, while the Food Service Division managed over \$500K in Meals Ready to Eat (MRE's) and Unitized Group Rations (UGR's), berthed over 300 personnel, conducted four command cookouts, and operated the FEARLESS Barbershop.

The Material Liaison Officer (MLO) provided sustained superior performance in keeping project materials on hand to ensure mission success. The office expertly managed 27 projects and procured over \$1.3M in Class IV material.

The Central Tool Room (CTR) maintained an inventory of over 250 tool kits and 2,500 shelf line items valued at \$2.5M. CTR identified and replenished deficiencies throughout deployment.

## **Communications (S6)**

The FEARLESS S6 Department coordinated and worked directly with CTF-68, Maritime Expeditionary Security Squadron (MSRON), Naval Computer and Telecommunications Area Master Station (NCTAMS), and Naval Computer and Telecommunications Station (NCTS) Naples to establish training, designation, and procedures to streamline ONE-NET account creation. The Department's work effectively reduced the number of days for required for to create an individual ONE-NET for over 550 Sailors on 2 unique networks. The FEARLESS S6 Department coordinated with NCTS Naples for creation of 18 network alias, 2 share drives, and implemented network access controls based on alias distribution. Additionally, the team

initiated work orders and correspondence to successfully expand Camp Mitchell's ONE-NET infrastructure by more than 25 percent, to include additional computers, printers and network scanners.

Working directly with the base medical network support, Commander Sixth Fleet (C6F), and NCTS Naples the Department established network cross domain access to Armed Forces Health Longitudinal Technology Application/ Composite Health Care System (AHLTA/CHCS) data base and provided Battalion Medical with real-time access to medical records, significantly improving patient treatment efficiency.

## **Training (S7)**

The FEARLESS S7 Department focused on a wide range of training requirements and took every opportunity to capture skills earned by Seabees on the project site. Over 400 Seabees earned advanced attainments during the 1600 Mandays of training of the deployment.

The skills gained on deployment helped the Battalion keep its readiness up and will reduce the demand for classes in homeport, with a potential savings of over \$300,000 to the Seabee Readiness Group (SRG) and Naval Construction Force (NCF). Specifically, skills ranging from rifle marksmanship to stucco placing were attained, principally through the use of the Seabee Skills Assessment Program (SSAP).

Additional cross training, such as licenses for Bravo and Charlie rates, was conducted to give the companies a broader range of skills from which to draw. The Battalion's Seabee Combat Warfare (SCW) program resulted in the qualification of 200 Seabees, 87 re-qualifications and an additional 8 Seabees only needing to complete their first FTX to finish their SCWS qualifications.

## **Command Religious Program (X1)**



**Christmas Worship Service**

The FEARLESS Command Religious Ministry Team (RMT) provided for the spiritual and emotional well being of the Battalion's Seabees at Mainbody (Rota), and at the Detachments in the EUCOM/AFRICOM AO. They worked with the NAVSTA ROTA Chapel, public affairs office (PAO), Fleet and Family Services, and the Morale Welfare and Recreation Office (MWR) to involve the Seabees in the various services, base activities, and community relations programs that were offered. Specifically at Rota. Spain the RMT provided worship services, pastoral counseling, organized worship, and cultural outings to local churches,

and ran the Battalion's United Through Reading (UTR) program. The UTR program connected interested deployed Seabees to his or her children by provided them the means to record themselves reading a book and sending it to their child at home.

## **Dental (X2)**

The FEARLESS Dental Department, with the assistance of Naval Hospital Rota's clinical capabilities, was able to provide an advanced and fully functional dental care procedures to the Seabees of the Mainbody. Leveraging the hospital's capabilities, significant subspecialty care such as dental exams, cleanings, operative procedures, oral surgery and dental prosthodontics, were also performed. As with the FEARLESS Medical Department, the dental TOA was significantly reorganized and dramatically improved the Department's responsive effectiveness in the event of a contingency mission.

## **Medical (X4)**

The FEARLESS Medical Department provided support to Battalion operations at Camp Mitchell, as well as with the 15 Detachments deployed throughout the EUCOM/AFRICOM AO utilizing both Independent and General Duty Corpsmen. With the proximity of Naval Hospital Rota, and the Expeditionary Medical Facility Horn of Africa, the Department was able to sustain many readiness metrics throughout deployment, significantly reducing the medical workload for the upcoming homeport training cycle. Furthermore, they meticulously oversaw a significant reorganization of the medical TOA assigned to the Battalion, which greatly enhanced efficiency of operations and readiness for contingency tasking.

The Department also successfully met the unique force health protection demands that came with having personnel serve in AO's where malaria was highly prevalent. Detailed force health protection plans, and emergency medicine response procedures were briefed, maintained, and prepared to be supported by the assigned Corpsman to the affected Detachments. Also the important records for the practice of Direct Observation Therapy (DOT), which ensured that every member had taken their critical anti-malaria medications, were tracked by the dedicated members of the staff.

## **Public Affairs**

The FEARLESS Public Affairs Office (PAO) produced original photography, feature stories, and professional video and audio productions that documented the EUCOM/AFRICOM deployment as they supported CTF-68, and CJTF-HOA. From videos of MWR events to working hand-in-hand with Base PAO and Armed Forces Network, the PAO broadcast NMCB 74's Deployment loud and clear to friends, families worldwide. The PAO also released more than 400 publications

including the greatly anticipated deployment cruisebook. Following last year's 2nd place Chief of Naval Information (CHINFO) award, the cruisebook has been receiving overwhelming success with over 300 copies sold prior to publication. The cruisebook has been submitted for the CHINFO 2011 award.

## **MWR**

The FEARLESS MWR program was critical in maintaining the high quality of life for the FEARLESS Seabees during the entire deployment. This included scheduling holiday events, promoting awareness of base sponsored MWR activities and trips, and providing high quality resources on a daily basis.

**Activities & Events** Upon the Battalion's arrival to Spain, MWR immediately began planning activities and events to boost the morale during the holiday season, including a Christmas and New Year's BBQ. During the deployment MWR sponsored additional BBQs, various sporting events, trips, and planned several exclusive Battalion trips to Seville to allow FEARLESS Sailors to experience the culture and history of Spain.



**Crowd Cheers For Participant In Rota Idol Contest**

On 25 March 2011, NMCB 74 presented Rota Idol, a follow-up karaoke style competition to the previous deployment's Afghanistan Idol. The show included numerous auditions, was recorded before a live FEARLESS audience, and forwarded to the Detachment sites to enhance Battalion morale. Furthermore, on 30 April 2011, the Battalion celebrated their Mid-Deployment Party with a host of activities to include a 50 ft. slip and slide, dunk tank, khaki auction, HMMWV Pull, 5K relay, basketball,

volleyball, football throw, pie throw, horseshoes, and many other events. Several of these events factored into a point based Battalion competition to give the winning Company or Detachment the privilege to fly the FEARLESS pennant on their respective guide-on.

## **MWR Facilities**

The MWR facilities on Camp Mitchell consisted of a snack store, Movie Theater, training hall, gym, volleyball courts, basketball court, and horseshoe pits. The facilities were convenient, in good shape and served the Seabees well. Nevertheless, the FEARLESS Seabees made improvements to update the camp's cardiovascular room in order to create space for aerobics, stretching, and each individual pieces of exercise equipment. Also, the volleyball courts were sifted and refilled, and the basketball court was repaved and new hoops were installed. All of

these projects dramatically advanced the facilities on camp, and will continue to do so for years to come.

## **Conclusion**

With tremendous skill and diverse talents, the FEARLESS Seabees of NMCB 74 accomplished their vast deployment mission while displaying dedication to service, honor, freedom, and compassion for others with CAN DO spirit. Whether it was constructing training facilities in Croatia, building schools in HOA, renovating an operations center in Senegal, drilling Water Wells in Ethiopia, repairing a perimeter road in Rota, Spain, or any of the other numerous missions the FEARLESS Seabee's performed admirably and have written the another proud chapter of our rich Seabee history.

This Page Intentionally Left Blank



## Chapter II

### Administrative

## Administration (S1)

During NMCB 74's 2011 EUCOM/AFRICOM Deployment, the FEARLESS S1 Department met and overcame a litany of challenges to effectively support the Battalion. Though undermanned, the Department effectively executed a global administrative program by keeping customers' concerns at the forefront during a very demanding deployment across three continents.



**Admin Staff at Work**

The Department resourcefully maintained all administrative support and personnel related requirements for more than 550 FEARLESS Seabees. The Department provided around the clock customer service, and prepared over 6,350 administrative actions, 1,910 Transactions Online Processing System (TOPS) entries, numerous concurrent reports, handled emergency and contingency travel requirements, routed and mailed over 300 Enlisted Evaluations and Officer Fitness reports, and arranged 290 awards.

The Personnel section within the FEARLESS S1 Department provided guidance and support to 110 transfers and separations, 75 gains, three promotions, and conducted pay and entitlement audits for the entire Battalion. The Department also provided advancement support to the Battalion by coordinating and administering over 400 examinations during the March and August 2011 Navy-Wide Advancement Examinations.

## EUCOM/AFRICOM 2010-2011 Administrative Statistics

### Awards:

- 10 Navy and Marine Corps Commendation Medals
- 120 Navy and Marine Corps Achievement Medals
- 5 Flag Letters of Commendation
- 70 Letters of Commendation
- 85 Good Conduct Awards
- 200 Seabee Combat Warfare Qualifications
- 87 Seabee Combat Warfare Re-qualifications



**Processes:**

- 350 No-Cost TAD orders
- 350 Regular/Transfer/Special Performance Reports
- 74 Transfer packages
- 190 Passport applications
- 1800 Pay transactions
- 45 Reenlistments

**Advancements (E4 – E6):**

	E4	E5	E6
<b>Participated</b>	122	125	47
<b>Selected</b>	0	17	2
<b>% Selected</b>	0%	12%	4%
<b>Navy Wide % Selected</b>	2%	19%	10%

**Advancements (E7):**

FY 10	E7
<b>Participated</b>	52
<b>Selected</b>	1
<b>% Board Eligible</b>	75%
<b>Navy Wide % Board Eligible</b>	63%

**Retention:**

	Eligible	Not Eligible	Reenlist Rate		Navy Goal
Zone A	64	15	56%	1st Term Goal	59%
Zone B	8	2	87%	2nd Term Goal	66%
Zone C	15	0	100%	Career Goal	72%

## **Intelligence (S2)**

The FEARLESS S2 Department produced more than 200 Daily Intelligence Briefs, published more than 50 Intelligence Digest Articles, and answered more than 30 Requests For Information (RFIs), while providing vital information to the Battalion in order to increase the situational awareness of all members in support deployment mission. The Department's key role was also evident in how 550 personnel security clearances and Isolated Personnel Reports were expertly tracked, managed and coordinated with investigating agencies.

Another significant service performed by the FEARLESS S2 Department was the coordination with local NCIS agents to prepare up-to-the minute counter-intelligence briefings for the Detachments' prior to departing Rota, Spain. The counter-intelligence briefings were provided for Romania, Ukraine, Senegal, Macedonia, Morocco, and Croatia.

## **Command Religious Program (X1)**

The Command Religious Ministry Team (RMT) cared for the spiritual and emotional well being of the FEARLESS Seabees, provided worship services, facilitated worship and cultural awareness, and advised the command on morale and wellness issues. The RMT conducted 200 hours of pastoral counseling, acted on over 25 American Red Cross messages, and conducted over 70 UTR recordings to connect families with deployed Seabees. The RMT also organized highly valuable cultural awareness training for units detaching to primarily Islamic countries which gave key expectations to members before deploying to traditionally religious minded societies.

Along with providing worship services at Camp Mitchell, the RMT organized multiple Sunday trips to services at some of the ancient and beautiful churches in the area, enriching the Seabees' cultural and historical, as well as religious, experience. Additionally, in order to allow the Seabees to give back to the community, and to enhance the Battalion's relationship with the local community, the RMT organized and executed community relations projects, including a food and supply drive for the Convento Del Espiritu Santo, which ran a kitchen for the poor and homeless.

## **Dental (X2)**

The FEARLESS Dental Department was essential to the success of the EUCOM/AFRICOM deployment and performed with excellence within its fully equipped clinic at the Naval Hospital onboard Naval Station Rota. Having the FEARLESS Dental Department located at the hospital allowed them to perform emergency dental care whenever necessary throughout the deployment. In total Dental the Department performed 2,081 clinical procedures, and 20 lab

procedures. Also, 430 patients were seen for 172 annual exams, 307 cleanings, 281 operative procedures, 14 wisdom teeth extractions, and 18 emergency cases. The Dental Weighted Value (DMV) production during deployment was 1906.77 which equated to \$190,677 of total dental work.

## **Medical (X4)**

Utilizing 11 Corpsmen, a Dental Officer, and a Medical Officer, the FEARLESS Medical Department had member of its dedicated team wherever FEARLESS Seabees lived and worked throughout the 3 continents of the deployment AO. At the start of the deployment Corpsmen were sent with both the Water Well team and the HOA command element at Camp Lemonnier, Djibouti. These Corpsmen provided outstanding medical support for their respective Detachment, coordinating several medical evacuations and liaising with the local Expeditionary Medical Facility in Djibouti for higher-echelon support. The remainder of the Department assumed control of medical operations at the Mainbody site at Camp Mitchell, Rota, Spain. There, the Department oversaw routine and emergent medical care for the entire Mainbody, while also supporting the Detachments that were preparing to deploy out of the camp.

A significant achievement made by the FEARLESS Medical Department was the constant maintenance of medical readiness for Mainbody personnel. This was made possible through close coordination with Naval Hospital Rota for laboratory, immunization, and audiogram support. The Departmental also the qualified 236 personnel in Basic Life Support, conducted a full reorganization of the medical TOA maintained by the Department, established electronic medical record capability at the Camp Mitchell clinic, and tirelessly managed the Battalion's Direct Observation Therapy program, which ensured zero mission impact due to malaria or other vector-borne diseases. In regards to training, the Department successfully completed SCWs qualification boards for five Corpsmen, and awarded 11 Combat Lifesaver certifications. The gains in readiness and training made by the Department throughout deployment ensured an effective eight month deployment and primed the Battalion for success while in homeport.

The Department was also met with the unique force health protection challenges of the EUFCOM/AFRICOM A/O. Specifically, the members of the AFRICOM Detachments were meticulously trained, tracked, and placed on a strict regimen of medications by the medical staff in order to reduce the possibility of someone contracting malaria. The Department was 100% successful in their task and zero Seabees of NMCB 74 caught malaria or any of the other potentially fatal diseases of the areas.

## Medical Readiness

### Battalion Vaccination Coverage

	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
HIV	97%	97%	97%	97%	97%	96%	95%	96%
Immunizations	97%	98%	97%	97%	98%	98%	97%	89%
PHA	97%	96%	98%	98%	95%	98%	97%	80%
Anthrax	98%	98%	98%	98%	98%	92%	85%	96%
Smallpox	91%	99%	99%	99%	84%	87%	87%	87%

### Medical Staff Monthly Attainments

	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
Total seen at BAS	108	273	125	236	212	232	273	456
SIQ	3	9	6	2	8	12	6	2
Immunization	0	0	14	86	24	34	79	23
Sanitation Inspection	N/A	N/A	N/A	N/A	N/A	N/A	2	1
Audiograms	1	48	14	13	20	30	46	0
Periodic Health Assessments	3	20	9	18	37	12	89	18
MEDEVAC's	0	0	0	1	2	0	0	0

## Public Affairs

The FEARLESS Public Affairs Office told the story of NMCB 74 as a global force for good in both the AFRICOM and EURCOM AOR's through high quality photography, professionally written news articles and feature stories, and the effective use of social media. In addition to 262 project and special event photos and 28 feature articles distributed to 14 media outlets and posts on the Defense Imagery & Video Distribution System (DIVDS), the FEARLESS Public Affairs Office captured and edited 16 video productions for MWR's resoundingly successful American Idol-like singing competition, Rota Idol and a commissioning ceremony. Also, three issues of a

25 page electronic newsletter was published and nearly 900 photos were added to NMCB 74's very popular command Facebook page.

The positive results of the effective strategic communication effort of NMCB 74 were also recorded by the dedicated PAO team. Specifically, the versatile abilities of the FEARLESS Seabees were directly used to support at least three significant tasks for commands outside of the NCF. Two were accomplished by Alfa Company and were the sand ramp that was required to offload two M1 Abrams tanks safely onto the shore, and the crane lift performed to place an engine into the wing of an EP-3 aircraft. The third was the ECC which was prepared to serve within six hours of notification and would respond to support any effort in the A/O. These capabilities of the Seabees were clearly recognized by other military organizations for their use and relevance to many missions, and the PAO would serve to continue this practice through further strategic communications to the fleet.

The FEARLESS PAO consistently went well beyond the minimum required products, and greatly exceeded command expectations during the EUCOM/AFRICOM 2010/2011 deployment. The dedicated work served as a lasting record of the FEARLESS Seabees as they directly contributed to the Navy's Maritime Strategy by building partner nation capacity, and promoting regional stability.

This Page Intentionally Left Blank



## Chapter III

### Safety

## Safety

The FEARLESS Safety Office pursued an aggressive and comprehensive Navy Occupational Safety and Health (NAVOSH) program with the goal to identify, eliminate, or minimize all preventable hazards through engineering or administrative controls. The office created a culture of safety awareness to ensure the safest possible work practices and conditions at the numerous worksites. Personnel were highly encouraged to report all workplace and jobsite hazards, and thorough investigations for all classes of mishaps were conducted to preserve the data of the incidents. Furthermore, the Project Safety Supervisors vigilantly monitored their respective crews, ensuring that safety was paramount for all members, while all Battalion Safety staff conducted random jobsite inspections daily, to carefully verify that on-site construction was in accordance with approved safety plans.

### NMCB 74 EUCOM/AFRICOM MISHAP DATA

<b>ON DUTY</b>	<b>DEC</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>TOTALS</b>
Lost Time Mishaps	1	0	0	1	1	1	0	0	4
No Lost Time Mishaps	3	3	1	2	5	3	2	4	23
Near Misses	0	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0	0
Number of Lost Work Days (Total)	1	0	0	30	15	4	0	0	50
<b>TOTAL MISHAPS ON DUTY</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>27</b>
<b>OFF DUTY</b>	<b>DEC</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>TOTALS</b>
Lost Time Mishaps	0	0	0	0	0	0	0	0	0
No Lost Time Mishaps	3	7	2	0	1	1	0	1	15
Near Misses	0	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0	0
Number of Lost Work Days (Total)	0	0	0	0	0	0	0	0	0
<b>TOTAL MISHAPS OFF DUTY</b>	<b>3</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>15</b>
<b>MISHAP SEVERITY</b>	<b>DEC</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>TOTALS</b>
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	1	0	0	1	1	1	0	0	4
Class "D" Mishap	6	10	3	2	6	4	2	5	38
<b>TOTAL MISHAPS</b>	<b>7</b>	<b>10</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>5</b>	<b>2</b>	<b>5</b>	<b>42</b>





## Chapter IV

### Communications/Training/Armory

## **Communications**

The FEARLESS S6 Department quickly implemented standardized data procedures by coordinating with NCTAMS Rota in order to reduce the NIPR and SIPR access account creation time by a substantial 12 days. Additionally, the Department expanded the existing Camp Mitchell infrastructure by managing the greatly needed addition of 23 new NIPRNET machines and three digital senders.

The Department spearheaded the CTF-68 executive conference room relocation and reconfiguration project which improved the setup of the video, network, phone technologies of the space. The renovated conference room was completed on a compressed schedule with zero loss of network services.

The FEARLESS S6 Department also successfully relocated all telephone service and network resources to support the critical relocation of MLO, Embark and Quality Control. The new spaces included the movement of four telephone lines, and ten NIPRNET drops. All of the work was performed on a challenging schedule that only included a network outage time period of less than 2 hours.

## **Training**

The FEARLESS S7 Department conducted over 1,600 Mandays of dedicated training during deployment; earning 400 individuals valuable and relevant skills. These skills ranged from rifle marksmanship to stucco placement and were attained through planned unit driven training or via the Seabee Skills Assessment Program (SSAP). Additional cross training such as licenses for Bravo and Charlie personnel was conducted to give the companies a broader range of trained Seabees in order to provide more versatile personnel to the projects. The gaining of these skills on deployment helped the Battalion keep its readiness up and eliminated higher amounts of classes in the following homeport period which yielded an estimated cost savings of over \$300,000 in training funds.

### **Safety Training**

Throughout the deployment, training was conducted by the Safety Officer and his representatives in Rota, Djibouti, and at all of the Detachment and deployment sites. Topics included, but were not limited to: Operational Risk Management (ORM), construction site injury prevention, and recreational activity safety. As the summer temperature began to increase in Southern Spain, the FEARLESS Safety Department emphasized ways to prevent heat injuries and casualties as well as the importance of hydration. Other safety topics included nail gun safety, power tool safety, weapons safety, and the 101 Days of Summer.

## **Technical Training**

The Training Department took full advantage of the diverse projects tasked to the Battalion to reach maximum SSA attainment. Through the use of the 9502 instruction, OJT and SMEs at the job sites, the FEARLESS Seabees of NMCB 74 achieved over 300 technical skills, 800 military skills and were able to learn both the theoretical and practical application of each. The focus of the Battalion's training plan was 3M Qualifications, FY11 General Military Training (GMTs), Licensing, Electronic Key Management System (EKMS), Cardiopulmonary Resuscitation (CPR), Don't Ask Don't Tell (DADT), and any site specific training needed by the individual Detachments.

The Training Department also played a key role in the readiness of the ECC and fulfilled the critical requirements of communications training. The ECC performed in realistic, and relevant evacuation training exercises that were graded in part by the Training Department, while the comms operator skills for each Detachment were regularly tested and improved upon. The valuable lessons and feedback provided ensured the ECC organization's awareness and the Battalion's overall continued preparedness for communications success.

## **Tactical Training**



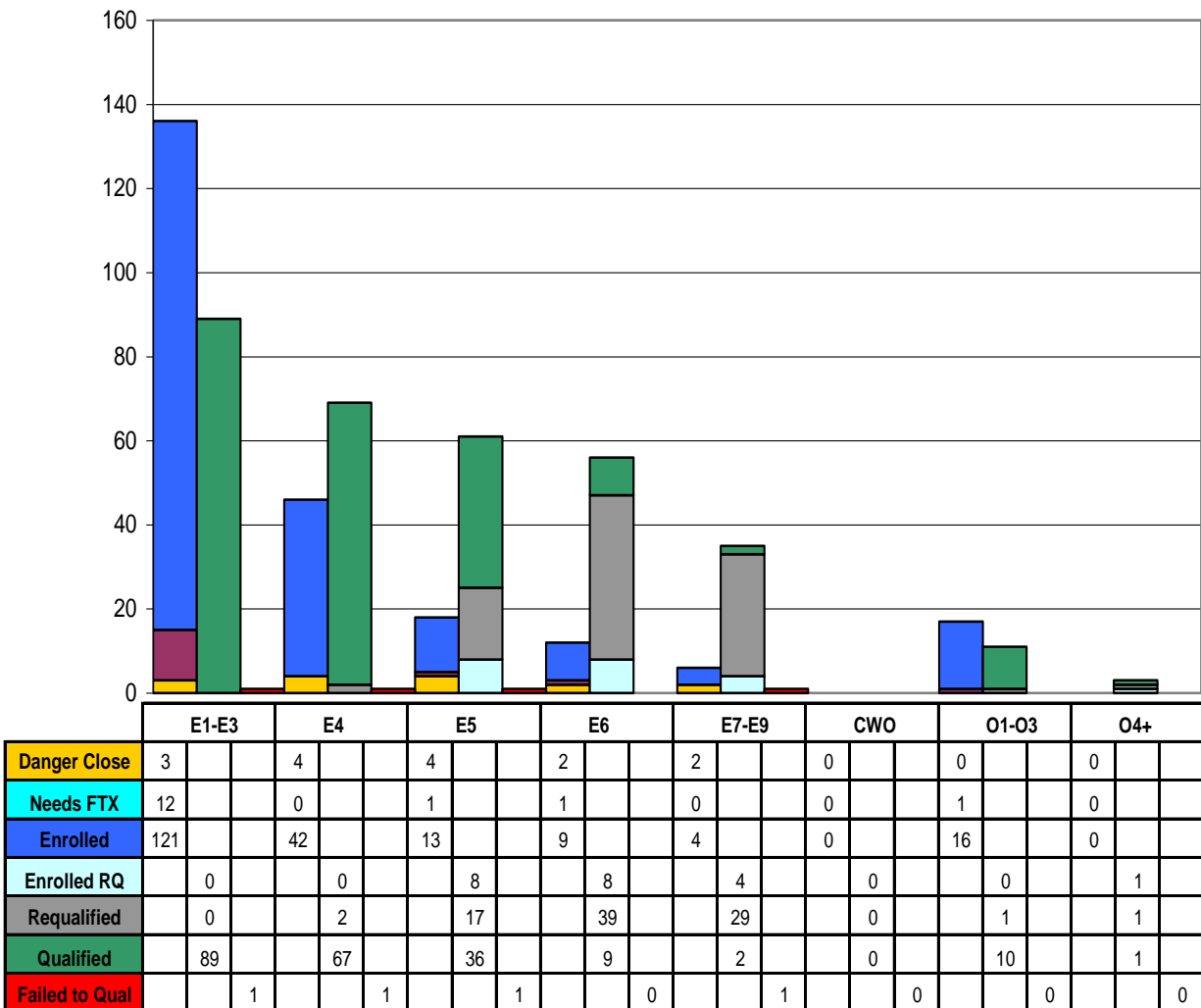
Through cooperation with the Spanish military, CTF-68 and Fleet Antiterrorism Security Team Company (FAST Co), the FEARLESS S7 Department was able set up a crew serve weapons range at Sierra Del Retin, Spain and three M-16/M-4 ranges at NAVSTA Rota's Base Security Range. The Mk-19, M240B, and M2HB ranges were led by the Battalion Marine Liaison, where he instructed the students on proper employment, maintenance and tactics of each weapon

system. The range event was a crucial and successful part of maintaining Battalion readiness through to the end of deployment.

### **Seabee Combat Warfare (SCW) Training**

The diversity of the projects and the co-location of different assets between Mainbody and the Detachment sites made it possible for the qualification of 143 Seabees, and 16 Seabees waiting to complete FTX before being awarded their SCW Qualification.

### **NMCB 74 SCW Attainment As of August 2011**



## **ARMORY**

The FEARLESS Armory at Camp Mitchell, Naval Station Rota, Spain and the Armory at Camp Lemonier, Djibouti conducted more than 800 maintenance checks and processed 15 M16A3 rifles, 2 M4 rifles, 3 M203 grenade launchers, and 1 M2HB machine gun for replacement by Naval Weapons Center, Crane Indiana. Additionally, the Camp Mitchell Armory supported the live fire M-16 ranges that were held on NAVSTA Rota, and the M2HB, M240B, and Mk-19 weapons training at the Sierra Del Retin Range. The FEARLESS Battalion expended the following ammunition:

### **NMCB 74 Training Ammunition Utilization**

<b>NALC</b>	<b>TYPE</b>	<b>AMOUNT</b>
<b>AA68</b>	<b>5.56mm SR</b>	<b>11,560</b>
<b>A131</b>	<b>7.62mm, ball</b>	<b>19,200</b>
<b>A555</b>	<b>50cal, ball</b>	<b>8000</b>
<b>B542</b>	<b>40mm, HE</b>	<b>1296</b>
<b>B546</b>	<b>40mm, HE</b>	<b>144</b>
<b>B576</b>	<b>40mm practice</b>	<b>1188</b>

This Page Intentionally Left Blank



Chapter V  
Operations

## Operations Department

The FEARLESS S3 Department planned, led, and ensured the quality of the engineering support, and maritime support for 33,254 Mandays of WIP during the eight month EUCOM/AFRICOM deployment. The Department assigned tasking to the Mainbody Companies and successfully planned for and launched Detachments to the eleven countries of Cameroon, Croatia, Gabon, Italy, Macedonia, Morocco, Nigeria, Romania, Senegal, Sierra Leon, and Togo in support of CTF-68, and to four countries [Djibouti, Kenya, Uganda, and Ethiopia] in support of CJTF-HOA. The Department also tracked the additional support performed for planning and estimating efforts for a multitude of tasking during the deployment.



Renovation of Ops Center (Dakar, Senegal)

The Department also stood up the ECC. This task required coordination with MSRON and FAST Company in order to train the unit to be proficient at the mission requirements. Although not utilized for an actual emergency the frequent ECC exercises had prepared the 100 member team to deploy, evacuate personnel, and redeploy at a rapid and effective level.

### NMCB 74 EUCOM/AFRICOM Deployment Tasking Summary

Total Manday Summary	Total Project Mandays Earned	Mandays Tasked	Mandays Expended
Mainbody	11,738	12,567	7,276
Detachment Croatia	2,465	2,465	1,404
Detachment HOA	13,733	14,238	14,794
Detachment Macedonia	1,152	1,156	1,282
Detachment Morocco	302	302	367
Detachment One	1,140	1,140	1,152
Detachment Romania	1,459	1,459	1,559
Detachment Sigonella	821	827	906
Detachment Senegal	444	444	558
<b>Totals</b>	<b>33,254 MD</b>	<b>33,598 MD</b>	<b>29,298 MD</b>





Mainbody

(Line Companies Alfa and Bravo)

## **Mainbody (Line Companies)**

### **Alfa Company**

The Advanced Party for the FEARLESS Alfa Company arrived at Naval Station Rota, Spain, on 11 December 2010. Both NMCB 74 and NMCB 7 immediately began working diligently to complete the Battalion Equipment Evaluation Program (BEEP). The inspection teams conducted 230 R-1 checks and validated 100% of all collateral equipment, and tools. Both Battalions' Alfa Companies showed their knowledge and expertise by following the "RED" Book and by completing the BEEP safely and with no discrepancies in three days with guidance from 22 NCR.



**NMCB 74 & NMCB 7 Inspect CESE During the BEEP**

In Rota, NMCB 74 took possession of a P25 Table of Allowances (TOA) that included 322 organic units of Civil Engineer Support Equipment (CESE). Combined with the augment equipment from the P32 TOA, Alfa Company mechanics were tasked with maintaining 519 units of CESE. At a ratio of approximately 9 units per mechanic, the work centers managed to perform an average of 1,400-plus preventative maintenance checks per month while maintaining a Recorded Accomplishment Rate (RAR) of nearly 99%. In addition, there were 33 deadline units of CESE at turnover, and throughout the deployment that number was reduced to 10. The maintenance staff also worked closely with 22NCR to dispose of 55 units of augment CESE that was past its useful life.

### **Operations Summary**

The FEARLESS Alfa Company was tasked with four projects and 855 Mandays worth of construction. The first project was SP0-872, Perimeter Road Phase 1, consisted of the installation of 150 feet of frangible chain link fencing to close a critical security gap at the NAVSTA Rota airfield, and the reconstruction of the base perimeter road. For the perimeter road, 3,200 meters of 4 meter wide roadway, needed to be replaced. Months of coordination with Public Works to refine the final project scope and the asphalt contractor to identify their capabilities allowed the Company to complete the first of five phases for a total of 640 meters. During the course of the project 1200 metric tons of select fill was placed, five vehicle turnouts

were constructed and two lifts of asphalt were placed for a combined total of 600 metric tons of asphalt.

In support of EOD and the Naval Munitions Command, Detachment Rota, the Company revitalized a dilapidated berm around an EOD munitions storage facility. The Project number was SP11-887 and the scope included removal of the existing berm and placement of 1000 cubic yards of fill to enhance the berm's revetment qualities and improve the overall site drainage. Throughout the project the potential for encountering an Unexploded Ordnance was always present. A plan was put in place with the EOD technicians but no Unexploded Ordnance (UXO) were encountered and the berm will harden the munitions storage facility for years to come.



**Perimeter Road Paving Operations**

Projects SP11-893, Pave Driveway Pier 3, and SP11-898, Airfield Dirt Removal, were beneficial projects that provided a new layer of asphalt for a fuel center road, and provided a leveled open area for the NAVSTA Rota, respectively. Each added a specific improvement to the base and expressed the legacy of the Seabee "Can Do" spirit.

### **Crane Program**

The FEARLESS Alfa Company's Crane Program was continuously employed throughout the deployment. After the Battalion took over in December, the crane crew settled right in and started working and identifying what needed to be done to expand the crane program in order to provide the best possible services to NAVSTA Rota and subsequently to NMCB 5 with a comprehensive turnover.



**NMCB 74 Crane Crew Lifting EP-3 Turbine**

The P-25 TOA in Rota includes two 40-ton hydraulic mobile cranes and two MTRV Wrecker cranes. During the timeframe of January to July the FEARLESS Crane Crew had a total of 53 crane lifts without any mishaps. The most notable of these lifts, the crane crew hoisted

an EP-3 Orion aircraft \$6.4M, 6,000lb turbine to facilitate an engine swap by the squadron's air crew engines. The utilization of the FEARLESS Alfa Company's Crane Crew helped bring the aircraft online three days ahead of schedule.

**Transportation**

The FEARLESS Alfa Company Transportation Yard supported the Battalion by employing Equipment Operators to haul select fill with MTRV dump trucks, augment personnel for asphalt paving operations, or aid other companies with grubbing and excavation activities for future construction operations and other similar tasks. The Transportation Yard was vital to the delivery and pickup of heavy construction equipment for all of the Battalion's projects. Throughout the deployment, the Transportation Yard approved and supported 120 equipment request forms, logged 19,500 accident free miles of bus service, and the yard crew imported more than 2,000 3M checks into SKED to ensure mission capability and readiness.

Additionally, the Transportation Yard provided training to FEARLESS personnel on the safe and productive standard operating procedures of all TOA CESE, conducted more than 600 man-hours of quality equipment operations training by highly qualified personnel and issued more 30 licenses.

**Alfa Company Tasking Summary**

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked %	Final WIP (%)	MD Expended this Deployment
SP0-872 Perimeter Road Phase I	435	\$311,000	255	0-58	56	246
SP11-887 Construct EOD Berm	40	\$0	40	0-100	100	31
SP11-893 Pave Driveway Pier 3	51	\$11,055	51	0-100	100	93
SP11-898 Airfield Dirt Removal	139	\$0	139	0-100	100	72
Beach Clearing/ M1 Tank Offload Ramp	2	\$0	10	0-100	100	10
Direct Labor Project Support	190	\$0	190	0-100	100	190
Subtotal	857	\$322,055	685			642



**Project Overview: Prior to Paving**



**Project Overview: Phase 1 Complete**

**Rota, Spain  
SP0-872: Perimeter Road Phase I**

**Project Data**

---

**Project Scope:** Conduct repairs to the perimeter road onboard NAVSTA Rota. Area 5 includes demolition of the existing section of roadway 3.2 km and fortification of the poor sub grade with engineered fill (1400 metric tons) to create a suitable sub base for the new road. The new asphalt is composed of two 5cm lifts.

<b>Personnel:</b>	Average of 6 personnel	
<b>Duration:</b>	06 April 2011 to 02 August 2011: 50 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 246
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 56% 255 435
<b>Material Cost:</b>	\$311,000.00	
<b>Cost Savings:</b>	\$89,250	

**Significant Safety Issues:** The use of large units of CESE and hot asphalt were safety concerns. To mitigate the risk with the associated safety issues, there were back up guides used whenever a piece of CESE was in reverse, eyewash stations located on site, and PPE utilized in asphalt application.

**Significant QC Issues:** QC issues were mitigated by vigilantly monitoring the asphalt temperatures (source of problems during SP11-893 paving project) by using an infrared heat gun to obtain accurate temperature readings.

**Significant Design Issues:** The unforeseen sub grade conditions were not identified in the original scope of work. These conditions caused a delay in starting the paving, obtaining materials, and properly disposing of the existing asphalt, as there was a need to re-engineer the project without a contract previously in place for additional fill materials or alternate milling equipment.

**Significant Material Issues:** Procurement of fill material took much longer than expected, significantly putting the project behind schedule until proper contract implementations were in place.



**Project Overview: Before Construction**



**Project Overview: Completed Project**

**Rota, Spain  
SP11-887: EOD Range Berm**

**Project Data**

---

**Project Scope:** Demolition and reconstruction of existing EOD Berm (836.13 square meters) to allow for reconstruction with proper drainage and fencing integrated.

<b>Personnel:</b>	Average of 4 personnel	
<b>Duration:</b>	20 April 2011 to 19 May 2011:12 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 31
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 40 40
<b>Material Cost:</b>	\$0.00	
<b>Cost Savings:</b>	\$14,000.00	

**Significant Safety Issues:** Working with multiple units of CESE in a small area created challenges. UXO in the area was a hazard, and the crew had a coordinated plan for handling such a discovery.

**Significant QC Issues:** None. NMCB 74 Engineering Aides provided elevation guides for the project.

**Significant Design Issues:** None.

**Significant Material Issues:** No issues getting materials. 100% of fill reclaimed from existing site. Chain link fence (60.96m) and drainage pipe (15.24m) provided from excess material store.



**Project Overview: Prior to Paving**



**Project Overview: Completed Project**

**Rota, Spain  
SP11-893: Pave Driveway Pier 3**

**Project Data**

---

**Project Scope:** Pave a new asphalt roadway within the Pier 3 Fuel Compound.

**Personnel:** Average of 6 personnel

**Duration:** 24 February 2011 to 4 April 2011: 22 work days

**Mandays of Expended:** Previous Battalion NEW START  
NMCB 74: 93

**Tasking:** WIP at turnover: NEW START  
WIP at deployment completion 100%  
MD Tasked to NMCB 74 51  
Total Project MD 51

**Material Cost:** \$11,055.81

**Cost Savings:** \$17,850.00

**Significant Safety Issues:** The use of large units of CESE and hot asphalt were safety concerns. To mitigate the risk with the associated safety issues, there were back up guides used whenever a piece of CESE was in reverse, eyewash stations located on site, and PPE utilized in asphalt application.

**Significant QC Issues:** As this was the first asphalt placement of the deployment, imperfections were anticipated. About one quarter of the road needed to be re-asphalted as it cooled too much by the time it was rolled which in turn created cracks.

**Significant Design Issues:** None.

**Significant Material Issues:** Both procurement of fill material and asphalt took much longer than expected, significantly putting the project behind schedule.



**Project Overview: Prior to Construction**



**Project Overview: Completed Project**

**Rota, Spain**  
**SP11-898: Airfield Dirt Removal**

**Project Data**

---

**Project Scope:** Remove and relocate approximately 3,942 CU (5,156 CD) (new site is 1/8 mile away), repair an adjacent drainage culvert, and place grass seed mat over project site.

<b>Personnel:</b>	Average of 6 personnel	
<b>Duration:</b>	28 February 2011 to 18 May 2011: 17 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 72
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 139 139
<b>Material Cost:</b>	\$0.00	
<b>Cost Savings:</b>	\$48,650.00	

**Significant Safety Issues:** Working with multiple units of CESE in a small area created the hazard of colliding with other pieces of CESE. There was one class D mishap in which a Caterpillar 924G Front End Loader backed into a parked MTVR dump truck. No one was hurt, but the right end of the front bumper of the MTVR had to be replaced.

**Significant QC Issues:** None. NMCB 74 Engineering Aides provided elevation guides for the project. NAVFAC provided the requirements for the culvert repair.

**Significant Design Issues:** None. Added scope of work presented some issues as the eroded pipe used in the culvert to collect water was cemented in to the headwall. Problem was fixed using quick dry mortar and a smaller pipe.

**Significant Material Issues:** No issues getting materials. Quick dry mortar and a drainage pipe were obtained from MCD excess material.





**Project Overview: Prior to Construction**



**Project Overview: Completed Project**

**Rota, Spain  
Beach Clearing/ M1 Tank Offload Ramp**

**Project Data**

---

**Project Scope:** Construct a 5m x 20m sand ramp to facilitate the off load of a deadlined M1 Abrams Tank from a Landing Craft Air Cushion in support of the Marine Expeditionary Unit. Mobilize the field crew and MTRV Wreckers to facilitate the offload if required.

<b>Personnel:</b>	Average of 5 personnel	
<b>Duration:</b>	30 June 2011 to 01 July 2011: 2 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 10
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 10 10
<b>Material Cost:</b>	\$0	
<b>Cost Savings:</b>	\$3,500	

**Significant Safety Issues:** The use of large units of CESE near the water and around heavy tactical equipment was a safety concern. To mitigate the risk with the associated safety issues, there were back up guides used whenever a piece of CESE was in reverse, detailed safety briefs, and Khaki supervision throughout the project.

**Significant QC Issues:** None.

**Significant Design Issues:** None.

**Significant Material Issues:** None.

## **Bravo Company**

### **Operations Summary**

The FEARLESS Bravo Company was tasked with 12 projects and 5,837 Mandays worth of construction. The first project was SP0-869, MWR Dog Kennels, and consisted of a 2.70 meter high, three section fence with 6 meter x 27.43 meter length with 6 gates and a 18.58 square meters holding area. Once complete these structures accommodated NAVSTA Rota MWR with a dog kennel facility.

The Company also finished two bus stop facilities for projects SP1-886, Galley Bus Stop, and SP0-883, Camp Mitchell Bus Stop, and nearly completed SP11-816, Rota Gate Bus Stop on NAVSTA Rota. The bus stops complimented the base with whitewash stucco siding, red Spanish style roofing, concrete benches, and message boards to post information inside. Additional tasking was SP0-837, Walkway & Lighting Phase II, SP1-806, New Sidewalk Behind B.3300, and SP11-818, NEX-Sidewalk Expansion Phase III, which in each the Company constructed a concrete sidewalk built to support traffic around the base, and to the Navy Exchange, respectively.

### **Camp Maintenance**

On Camp Mitchell, the FEARLESS Bravo Company performed project MCD04-10, Interior Renovation of Seabee Gym, MCD10-21, Rehab of Laundry Facility, and MCD10-41C, 22NCR Buildout, to effectly improve the quality of life for the Seabees of the camp, and to create additional officespace, respectively.

For Camp Maintenance, the Company implemented an aggressive plan to address and reduce the chalenging trouble call log that the camp had accumulated. Heating and hot water shortage issues were just some examples of the type of work that was conducted. In total the Company performed 3,484 Mandays of repairs and maintenance.

## Bravo Company Tasking Summary

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked %	Final WIP (%)	MD Expended this Deployment
Camp Maintenance	3,484	\$13,820	3,484	0-100	100	3,484
SP0-837 Walkway & Lighting Phase II	424	\$200,588	424	0-100	97	592
SP0-869 MWR Dog Kennels	115	\$24,065	115	0-100	100	124
SP0-883 Camp Mitchell Bus Stop	241	\$14,633	241	0-100	100	248
SP1-886 Galley Bus Stop	241	\$13,413	241	0-100	100	227
SP1-806 New Sidewalk Behind B.3300	86	\$3,058	86	0-100	100	59
SP11-816 Rota Gate Bus Stop	240	\$20,752	240	0-100	70	163
SP11-818 NEX Sidewalk Expansion Phase III	48	\$345	48	0-100	100	50
SP11-895 Concrete Improvements at B.1601 Phase I	143	\$13,302	143	0-100	100	158
SP11-895 Concrete Improvements at B.1601 Phase II	357	\$38,116	180	0-45	23	167
MCD04-10 Interior Renovation of Seabee Gym	467	\$38,662	467	0-100	100	467
MCD10-21 Rehab of Laundry Facility	70	\$1,081	70	0-100	100	70
MCD10-41C 22NCR Buildout	64	\$12,742	64	0-100	100	79
<b>Subtotal</b>	<b>5,813</b>	<b>\$394,577</b>	<b>5,813</b>			<b>5,888</b>



**Project Overview: Prior to construction**



**Project Overview: Completed Project**

**Rota, Spain**  
**SP0-837: Walkway and Lighting PH II Section 106**

**Project Data**

---

**Project Scope:** Construct a bike path along the route identified in CI106 as well as re-route and install new sections to the pedestrian walkway. Install solar paneled lights and bollards along with the new bike path.

<b>Personnel:</b>	Average of 9 personnel	
<b>Duration:</b>	21 March 2011 to 28 July 2011: 80 Work Days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 592
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 424 424
<b>Material Cost:</b>	\$200,588.12	
<b>Cost Savings:</b>	\$148,400	

**Significant Safety Issues:** None.

**Significant QC Issues:** Placement of asphalt with inexperienced personnel and improper finish of concrete led to the requirement of rework on one section of sidewalk.

**Significant Design Issues:** Deleting sidewalk in front of Housing Office.

**Significant Material Issues:** No issues getting materials.



**Project Overview: Fence Construction**



**Project Overview: Completed Project**

**Rota, Spain  
SP0-869: Dog Kennel Fencing Addition**

**Project Data**

---

**Project Scope:** Construct three new dog runs at NAVSTA Rota Kennel, Bldg 1880. Perform site preparation, install 100m of new chain link fence with six new gates for the dog runs, and install 10m of new chain link fence with one (1) new double gate for the primary kennel entrance.

<b>Personnel:</b>	Average of 5 personnel	
<b>Duration:</b>	28 December 2010 to 16 February 2011: 32 Work Days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 124
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 115 115
<b>Material Cost:</b>	\$24,065.00	
<b>Cost Savings:</b>	\$40,250.00	

**Significant Safety Issues:** The only safety issues of note revolved around the handling of steel (pinching, dropping, and cutting hazards) and welding (skin and eye burns). Proper PPE was used throughout the project to mitigate the associated hazards, and temporary welding screens were set up until a mobile welding booth could be ordered.

**Significant QC Issues:** Reusing material from a demolished fence resulted in numerous minor quality deficiencies, all of which were caught and corrected by the crew and QC Department. Additionally, lack of the most effective welding rod for galvanized steel resulted in a slow and laborious process attaching the fence to the fence posts.

**Significant Design Issues:** The new gates for the double-gate primary kennel entrance were designed too small to fill the full gap in the fence, which resulted in the addition of two fence posts in order to narrow the gap.

**Significant Material Issues:** As a result of an inaccurate initial Bill of Materials, not all of the materials were ordered up front, resulting in the scavenging of material from another fence scheduled for demolition.



**Project Overview: Prior to construction**



**Project Overview: Completed Project**

**Rota, Spain  
SP0-883: Camp Mitchell Bus Stop**

**Project Data**

---

**Project Scope:** : Construct a 6m x 3m x 2.4m bus shelter consisting of a concrete pad, CMU block walls, imitation Spanish style roofing, a safety board, and three benches.

<b>Personnel:</b>	Average of 5 personnel	
<b>Duration:</b>	20 January 2011 to 3 May 2011: 70 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 248
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 241 241
<b>Material Cost:</b>	\$14,633.00	
<b>Cost Savings:</b>	\$84,350.00	

**Significant Safety Issues:** There were no significant safety issues noted during the course of this project. PPE was used throughout the project to mitigate any associated hazards.

**Significant QC Issues:** The beginning of the project was slow in progression due to an inexperienced crew. The block work was removed numerous times until proper training was done and the crew became more experienced. The roof also became a factor because the material was not accompanied by a manufacturer's specification. However, with the help of the QC Department, the crew was able to install the roof properly.

**Significant Design Issues:** The only notable design change was to fabricate concrete instead of wooden benches.

**Significant Material Issues:** There were delays in the delivery of block, roofing material and stucco which contributed significantly to the overall delay of the project.



**Project Overview: Before Construction**



**Project Overview: Completed Project**

**Rota, Spain  
SP1-886: Galley Bus Stop**

**Project Data**

---

**Project Scope:** Construct a 6m x 3m x 2.4m bus shelter consisting of a concrete pad, CMU block walls, and imitation Spanish style roofing, a safety board and three benches.

<b>Personnel:</b>	Average of 5 personnel	
<b>Duration:</b>	15 February 2011 to 27 May 2011 70 Work Days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 227
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 241 241
<b>Material Cost:</b>	\$13,413.00	
<b>Cost Savings:</b>	\$84,350.00	

**Significant Safety Issues:** There were no significant safety issues noted during the course of this project. PPE was used throughout the project to mitigate any associated hazards.

**Significant QC Issues:** There were no significant QC issues noted during the course of this project.

**Significant Design Issues:** The only notable design change was to fabricate concrete instead of wooden benches.

**Significant Material Issues:** There was a delay with the delivery of the roofing material which contributed to the delay of the project.



**Project Overview: Form Work**



**Project Overview: Completed Project**

**Rota, Spain**  
**SP11-806: New Sidewalk Behind B.3300**

**Project Data**

---

**Project Scope:** Construct approximately 46.8 meters of new concrete sidewalk to connect to the existing concrete sidewalk behind Bldg 3300.

<b>Personnel:</b>	Average of 3 personnel	
<b>Duration:</b>	25 March, 2011 to 23 May, 2011: 26 Work Days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 59
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 86 86
<b>Material Cost:</b>	\$3,058.00	
<b>Cost Savings:</b>	\$30,100.00	

**Significant Safety Issues:** There were no significant safety issues noted during the course of this project. PPE was used throughout the project to mitigate any associated hazards.

**Significant QC Issues:** There were no significant QC issues noted during the course of this project.

**Significant Design Issues:** There were no significant design issues.

**Significant Material Issues:** There was a delay with the delivery of the seed for landscaping which contributed to the delay of the project.





**Project Overview: Prior to construction**



**Project Overview: Project Ready for Turn-Over**

**Rota, Spain  
SP11-816: Rota Gate Bus Stop**

**Project Data**

---

**Project Scope:** Construct a 6m x 3m x 2.4m bus shelter consisting of a concrete pad, CMU block walls, and imitation Spanish style roofing, and four concrete benches.

<b>Personnel:</b>	Average of 7 personnel	
<b>Duration:</b>	27 June 2011 to 28 July 2011: 23 Work Days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 163
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 70% 240 240
<b>Material Cost:</b>	\$20,727.46	
<b>Cost Savings:</b>	\$84,000.00	

**Significant Safety Issues:** There were no significant safety issues noted during the course of this project. PPE was used throughout the project to mitigate any associated hazards.

**Significant QC Issues:** Some minor CMU rework was required due to improper alignment of CMU block.

**Significant Design Issues:** None.

**Significant Material Issues:** None.



**Project Overview: Pre-con site visit**



**Project Overview: Completed Project**

**Rota, Spain**  
**SP11-818: NEX Sidewalk Expansion Phase III**

**Project Data**

---

**Project Scope:** Construct approximately 17.68m of new concrete sidewalk to connect existing concrete sidewalk behind the mini mart area of BLDG 3300.

<b>Personnel:</b>	Average of 5 personnel	
<b>Duration:</b>	29 June 2011 to 18 July 2011: 13 Work Days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 50
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 48 48
<b>Material Cost:</b>	\$345.00	
<b>Cost Savings:</b>	\$16,800	

**Significant Safety Issues:** None.

**Significant QC Issues:** Used 15.24cm PVC pipe for drainage under new concrete sidewalk as that was the only size pipe available.

**Significant Design Issues:** None.

**Significant Material Issues:** No issues with materials or procurement.



**Project Overview: Prior to Construction**



**Project Overview: Completed Project**

**Rota, Spain**  
**SP11-895: Concrete Improvements at B.1601 Phase I**

**Project Data**

---

**Project Scope:** Concrete Improvements at Building 1601Phase I. Project includes the placement of 10cm of select fill to a compaction of 95% and two 10cm concrete slabs with a 20cm thickened edge.

<b>Personnel:</b>	Average of 6 personnel	
<b>Duration:</b>	04 April 2011 to 24 June 2011: 40 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 158
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 143 143
<b>Material Cost:</b>	\$13,302.04	
<b>Cost Savings:</b>	\$50,050.00	

**Significant Safety Issues:** None.

**Significant QC Issues:** Some of the concrete arrived on site with too much moisture in the mix, causing excess water to build up on the surface of the pad. This caused the broom finish to expose aggregate, to rectify this the crew used holy stones to smooth the surface of the pad to a presentable appearance.

**Significant Design Issues:** None.

**Significant Material Issues:** None.



**Project Overview: Prior to construction**



**Project Overview: Poured Footers**

**Rota, Spain**  
**SP11-895: Concrete Improvements at B. 1601 Phase II**

**Project Data**

---

**Project Scope:** Concrete improvements at Building 1601. Project includes construction of a CMU block wall 128.93m x 2.438m in height. Every third core shall be core filled with grout. Install a new sliding fence type door.

<b>Personnel:</b>	Average of 8 personnel	
<b>Duration:</b>	25 June 2011 to 28 July, 2011: 24 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 167
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 23% 180 357
<b>Material Cost:</b>	\$38,115.88	
<b>Cost Savings:</b>	\$63,000.00	

**Significant Safety Issues:** There were no significant safety issues on this project. Equipment in close proximity to personnel and existing structures required the use of many ground guides.

**Significant QC Issues:** None.

**Significant Design Issues:** None.

**Significant Material Issues:** None.



**Project Overview: Completed Project**



**Project Overview: Completed Project**

**Rota, Spain**  
**MCD04-10: Interior Renovation of Seabee Gym**

**Project Data**

---

**Project Scope:** Remodel Seabee gym by demolishing several designated interior walls which are part of the cardio and aerobic rooms, all drop ceiling and all flooring above the concrete subfloor. Patch all holes in the remaining walls. Install new drop ceiling, new foam mat flooring, and 2.5cm X 10cm base board. Remodel all electrical components inside walls.

<b>Personnel:</b>	Average of 6 personnel	
<b>Duration:</b>	24 Jan 2011 to 10 Jun 2011: 95 Work Days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 467
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 467 467
<b>Material Cost:</b>	\$38,662.44	
<b>Cost Savings:</b>	\$163,450	

**Significant Safety Issues:** None.

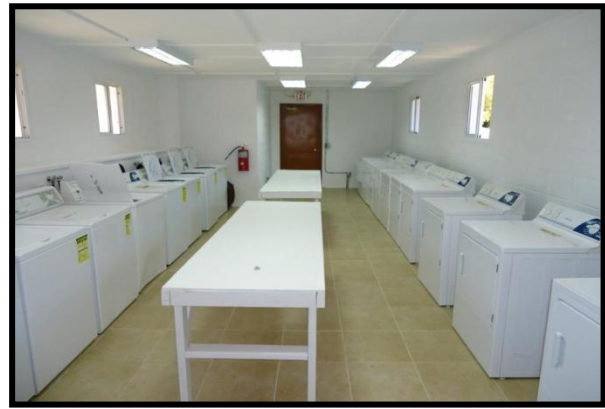
**Significant QC Issues:** The flooring ordered for this job was produced locally which may not have been ideal for a weight room. Flooring buckled upon reopening of the gym.

**Significant Design Issues:** None.

**Significant Material Issues:** There were significant material delays for this project.



**Project Overview: Early Phase of Construction**



**Project Overview: Completed Project**

**Rota, Spain  
MCD10-21: Rehab of Laundry Facility**

**Project Data**

---

**Project Scope:** Remodeled laundry room to include new flooring, new painting of exposed walls and ceiling, upgrades to all electrical and all new plumbing.

<b>Personnel:</b>	Average of 5 personnel	
<b>Duration:</b>	6 July 2011 to 3 August 2011: 19 Work Days	
<b>Mandays Expended:</b>	Previous Battalion NMCB 74:	NEW START 70
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 70 70
<b>Material Cost:</b>	\$1,081	
<b>Cost Savings:</b>	\$24,500	

**Significant Safety Issues:** None.

**Significant QC Issues:** None.

**Significant Design Issues:** None.

**Significant Material Issues:** No issues with materials or procurement.



**Project Overview: Frame work**



**Project Overview: Completed Project**

**Rota, Spain  
MCD10-41C: 22NCR Office Buildout**

**Project Data**

---

**Project Scope:** Construct three new office spaces in Building 345: Consisting of demolition of existing cage, erecting one 3.51m x 3.66m and two 3.65m x 5.03m office spaces.

<b>Personnel:</b>	Average of 5 personnel	
<b>Duration:</b>	28 June 2011 to 28 July 2011: 20 Work Days	
<b>Mandays Expended:</b>	Previous Battalion NMCB 74:	NEW START 79
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 64 64
<b>Material Cost:</b>	\$12,742	
<b>Cost Savings:</b>	\$22,400	

**Significant Safety Issues:** None.

**Significant QC Issues:** None.

**Significant Design Issues:** None.

**Significant Material Issues:** No issues with materials or procurement.

This Page Intentionally Left Blank





Detachment Croatia

## **Detachment Croatia**

### **Operations Summary**

The FEARLESS Detachment Croatia was tasked with nine projects and 2,335 Mandays worth of construction. The first project was SP10-877, concrete pad at Building 463, and consisted of constructing 12 meter sidewalk for MWR in support of the Naval Munitions Command in Rota, Spain.

In early March 2011, the Detachment deployed to Slunj, Croatia to begin operations in support of US Army Europe for Exercise Immediate Response 2011 with the Engineering Regiment from the Croatian Army. The tasking was to construct a Military Operations in Urban Terrain (MOUT) Training Site consisting of seven CMU block buildings to include one open air market, four single story facilities (one gas station and three residential structures) and two two-story facilities (one community center and one mosque). All facilities were constructed for use in military tactical training scenarios and included minimal finish work.

In conjunction with the main exercise related mission the DET performed a Host Country Assistance project for the Slunj Primary School entailing a renovation of the bathroom facility. The scope of the project was to remove the existing tile, plumbing lines, and bathroom fixtures, and to install new completing a full-scale renovation that modeled the previously completed female's bathroom facility. This project was another opportunity for the Seabees to work hand in hand with the Croatian engineers, improving one another's skills and fortify bonds between the US and Croatian military.

In addition to providing a physical MOUT Training Site and a renovated laboratory, the DET worked to establish the bedrock for the first of three years of Exercise Immediate Response between the United States and Croatian Militaries, and provided the Croatian military the ability to host future joint exercises with NATO countries.

## Detachment Croatia Tasking Summary

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked %	Final WIP (%)	MD Expended this Deployment
Croatia Detachment Mission Planning	131	\$0	131	0-100	100	85
Direct Labor Training	130	\$0	130	0-100	100	130
SP10-877 Concrete Pad Bldg 463	71	\$6,500	71	0-100	100	79
IR11-1 Croatian MOU Mosque	363	\$13,988	363	0-100	100	275
IR11-2 Croatian MOU Open Air Market	228	\$5,463	228	0-100	100	129
IR11-3 Croatian MOU Community Center	383	\$13,988	383	0-100	100	189
IR11-4 Croatian MOU Residential 1	273	\$9,286	273	0-100	100	43
IR11-5 Croatian MOU Residential 2	273	\$9,286	273	0-100	100	46
IR11-6 Croatian MOU Residential 3	273	\$9,286	273	0-100	100	126
IR11-7 Croatian MOU Gas Station	273	\$9,286	273	0-100	100	260
HCA11-01 Slunj School Restroom Renovation	67	\$7,349	67	0-100	100	42
Subtotal	2,465	\$84,432	2,465			1,404



**Project Overview: Prior to Construction**

**Project Overview: Completed Project**

**Rota, Spain**

**SP10-877: Concrete Pad and Sidewalk at Building 463**

**Project Data**

---

**Project Scope:** Construct a 9.14m x 9.14m x 15.24 cm reinforced concrete pad with a 1.22m x 12.19m x 10.16cm sidewalk connecting it to building 463.

<b>Personnel:</b>	Average of 6 personnel	
<b>Duration:</b>	18 January 2011 to 16 February 2011: 18 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 79
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 71 71
<b>Material Cost:</b>	\$6,500.00	
<b>Cost Savings:</b>	\$24,850.00	

**Significant Safety Issues:** Public Works system for marking underground utilities was not precise.

**Significant QC Issues:** Isolated work location could have influenced crew to cut corners, but they maintained high quality standards with limited inspections. The most significant quality issue was that the select fill did not compact as planned, and required more material to reach proper compaction. Concrete also arrived later than scheduled, as well as having an add mixture in the concrete. Access to restricted site required submitting an access list that was not approved at time of project completion, thus creating delays waiting for an escort every time entering the facility.

**Significant Design Issues:** None.

**Significant Material Issues:** No issues with material procurement. All materials borrowed from excess, until funding was available.



**Project Overview: Prior to Mosque Building**

**Project Overview: Completed Project**

**Slunj, Croatia**

**IR11-1: Croatian MOUT Mosque Building**

**Project Data**

---

**Project Scope:** Construct an 8.99m x 5.79m two story Mosque building consisting of a concrete pad, CMU block walls, wood stairs, second floor, and a corrugated metal roof.

**Personnel:** Average of 12 personnel

**Duration:** 9 April 2011 to 19 May 2011: 26 work days

**Mandays of Expended:** Previous Battalion NMCB 74: NEW START 275

**Tasking:**

WIP at turnover:	NEW START
WIP at deployment completion	100%
MD Tasked to NMCB 74	363
Total Project MD	363

**Material Cost:** \$13,988.58

**Cost Savings:** \$127,050.00

**Significant Safety Issues:** Croatian safety standards are minimal and do not meet the NCF safety program.

**Significant QC Issues:** Block provided for this project was improperly designed and of poor quality, corner block was not used. Block was not properly or consistently formed making it tedious to place and align.

**Significant Design Issues:** Designs showed CMU block with two cores, material available in Croatia has six cores. Prints called for reinforcing ladders every third course, however they were not available. To compensate, the number of vertical reinforcement was doubled. Prints did not show interior wall tying in with exterior walls. Design showed attaching metal directly to the gable end trusses; there was not enough surface area on the truss to properly attach the metal so the gable end trusses were sheeted with plywood. 18<sup>th</sup> Engineering Brigade provided the design.

**Significant Material Issues:** Initial shipment arrived before construction began. Corner block was not used due to inconsistencies in height and bowed webbing. Additional block was needed due to the weakness of the block received. Mortar was consumed faster than expected trying to maintain consistency across all courses while compensating for uneven block.



**Project Overview: Prior to Open Air Market**

**Project Overview: Completed Project**

**Slunj, Croatia**

**IR11-2: Croatian MOUT Open Air Market**

**Project Data**

---

**Project Scope:** Construct a 6m x 8m open air market consisting of a concrete pad, 12 CMU block columns and corrugated metal roof.

**Personnel:** Average of 8 personnel

**Duration:** 14 March 2011 to 06 April 2011: 18 work days

**Mandays of Expended:** Previous Battalion NEW START  
NMCB 74: 129

**Tasking:** WIP at turnover: NEW START  
WIP at deployment completion 100%  
MD Tasked to NMCB 74 228  
Total Project MD 228

**Material Cost:** \$5,463.08

**Cost Savings:** \$79,800.00

**Significant Safety Issues:** Croatian safety standards are minimal and do not meet the NCF safety program.

**Significant QC Issues:** Upon arrival, site was reported to be level and compacted; however upon investigation, was found to be out of level 0.30m diagonally. Block provided for this project was improperly designed and of poor quality, corner block was used instead of pier block. Block was not properly or consistently formed making it tedious to place and align.

**Significant Design Issues:** None. 18<sup>th</sup> Engineering Brigade provided the design.

**Significant Material Issues:** No issues with material procurement. The initial shipment arrived before construction began. Block provided for this project was improper design and of poor quality, corner block was used instead of pier block. Block was not properly or consistently formed creating bowed webbing and walls, uneven heights and very weak webbing. Additional block was needed due to the weakness of the block received. Mortar was consumed faster than expected trying to maintain consistency across all columns while compensating for uneven block.



**Project Overview: Prior to Community Center**

**Project Overview: Completed Project**

**Slunj, Croatia**

**IR11-3: Croatian MOUT Community Center**

**Project Data**

---

**Project Scope:** Construct an 8.99m x 5.79m two story community center consisting of a concrete pad, CMU block walls, wood stairs, second floor and a corrugated metal roof.

<b>Personnel:</b>	Average of 3 personnel	
<b>Duration:</b>	22 March 2011 to 5 May 2011:20 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 189
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 383 383
<b>Material Cost:</b>	\$13,988.58	
<b>Cost Savings:</b>	\$134,050.00	

**Significant Safety Issues:** Croatian safety standards do not meet the NCF safety program. Crane safety program was put in place by Seabees. Additional supports to secure the scaffolding were fabricated into the walls.

**Significant QC Issues:** Block provided for this had six cores when the design called for two, corner block was not used. Block was not properly or consistently formed making it tedious to place and align.

**Significant Design Issues:** Reinforcing ladders were not available so number of vertical reinforcement was doubled. Design changes were made to interior columns to create a more stable support for the second floor. Design of interior wall beneath second floor was changed, girder was removed and one more course of CMU was added. A 15cm x 15cm post is shown supporting the stairs and second floor. Notes and diagram of truss spacing on prints do not match. Gable end trusses were sheeted with plywood.

**Significant Material Issues:** Block provided for this project was improperly designed and of poor quality, corner block was not used due to inconsistencies in height and bowed webbing. Additional block was needed due to the weakness of the block received. Mortar was consumed faster than expected trying to maintain consistency across all columns while compensating for uneven block. Doors were not the proper swing or size for the openings lumber had to be placed above them to close the gap.



**Project Overview: Formwork for pad**  
**Slunj, Croatia**

**Project Overview: Completed Project**

**IR11-4: Croatian MOUT Residential Building 1**

**Project Data**

**Project Scope:** Construct a 6.38m x 6.38m single story residential building consisting of a concrete pad, CMU block walls and a corrugated metal roof.

<b>Personnel:</b>	Average of 3 personnel	
<b>Duration:</b>	18 April 2011 to 19 May 2011: 20 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 43
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 273 273
<b>Material Cost:</b>	\$9,286.28	
<b>Cost Savings:</b>	\$95,550.00	

**Significant Safety Issues:** Croatian safety standards are minimal and do not meet the NCF safety program.

**Significant QC Issues:** Block provided for this project was improperly designed and of poor quality, corner block was not used. Block was not properly or consistently formed making it tedious to place and align.

**Significant Design Issues:** Designs showed CMU block with two cores, material available in Croatia has six cores. Prints called for reinforcing ladders every third course, however they were not available, to compensate the number of vertical reinforcement was doubled. Prints did not show interior wall tying in with exterior walls. Design showed attaching metal directly to the gable end trusses; there was not enough surface area on the truss to properly attach the metal so the gable end trusses were sheeted with plywood. 18<sup>th</sup> Engineering Brigade provided the design.

**Significant Material Issues:** Block provided for this project was improper design and of poor quality, corner block was not used due to inconsistencies in height and bowed webbing. Additional block was needed due to the weakness of the block received. Mortar was consumed faster than expected trying to maintain consistency across all courses while compensating for uneven block. Blocks that were scored to be half block but were still as structurally sound as full block were used for the interior walls, due to material availability near completion of construction and desire to use material on hand. Doors were not the proper swing or size for the openings, lumber had to be placed above them to close the gap.





**Project Overview: Prior to Residential Building 2**

**Project Overview: Completed Project**

**Slunj, Croatia**

**IR11-5: Croatian MOUT Residential Building 2**

**Project Data**

---

**Project Scope:** Construct a 6.38m x 6.38m single story residential building consisting of a concrete pad, CMU block walls and corrugated metal roof.

<b>Personnel:</b>	Average of 8 personnel	
<b>Duration:</b>	18 April 2011 to 19 May 2011: 18 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 46
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 273 273
<b>Material Cost:</b>	\$9,286.28	
<b>Cost Savings:</b>	\$95,550.00	

**Significant Safety Issues:** Croatian safety standards are minimal and do not meet the NCF safety program.

**Significant QC Issues:** Block provided for this project was improperly designed and of poor quality, corner block was not used. Block was not properly or consistently formed making it tedious to place and align.

**Significant Design Issues:** Designs showed CMU block with two cores, material available in Croatia has six cores. Prints called for reinforcing ladders every third course, however they were not available, to compensate the number of vertical reinforcement was doubled. Prints did not show interior wall tying in with exterior walls. Design showed attaching metal directly to the gable end trusses, there was not enough surface area on the truss to properly attach the metal so the gable end trusses were sheeted with plywood. 18<sup>th</sup> Engineering Brigade provided the design.

**Significant Material Issues:** Block provided for this project was improper design and of poor quality, corner block was not used due to inconsistencies in height and bowed webbing. Additional block was needed due to the weakness of the block received. Mortar was consumed faster than expected trying to maintain consistency across all courses while compensating for uneven block. Doors were not the proper swing or size for the openings, lumber had to be placed above them to close the gap.



**Project Overview: Prior to Residential Building 3**

**Project Overview: Completed Project**

**Slunj, Croatia**

**IR11-6: Croatian MOUT Residential Building 3**

**Project Data**

---

**Project Scope:** Construct a 6.38m x 6.38m single story residential building consisting of a concrete pad, CMU block walls and a corrugated metal roof.

<b>Personnel:</b>	Average of 8 personnel	
<b>Duration:</b>	18 April 2011 to 19 May 2011: 18 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 126
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 273 273
<b>Material Cost:</b>	\$9,286.28	
<b>Cost Savings:</b>	\$95,550.00	

**Significant Safety Issues:** Croatian safety standards are minimal and do not meet the NCF safety program.

**Significant QC Issues:** Block provided for this project was improperly designed and of poor quality, corner block was not used. Block was not properly or consistently formed making it tedious to place and align.

**Significant Design Issues:** Designs showed CMU block with two cores, material available in Croatia has six cores. Prints called for reinforcing ladders every third course, however they were not available, to compensate the number of vertical reinforcement was doubled. Prints did not show interior wall tying in with exterior walls. Design showed attaching metal directly to the gable end trusses; there was not enough surface area on the truss to properly attach the metal so the gable end trusses were sheeted with plywood. 18<sup>th</sup> Engineering Brigade provided the design.

**Significant Material Issues:** No issues getting materials, initial shipment arrived before construction began. Block provided for this project was improper design and of poor quality, corner block was not used due to inconsistencies in height and bowed webbing. Additional block was needed due to the weakness of the block received. Mortar was consumed faster than expected trying to maintain consistency across all courses while compensating for uneven block. Doors were not the proper swing or size for the openings lumber had to be placed above them to close the gap.



**Project Overview: Prior to Gas Station**

**Project Overview: Completed Project**

**Slunj, Croatia**

**IR11-7: Croatian MOUT Gas Station**

**Project Data**

---

**Project Scope:** Construct a 6.38m x 6.38m gas station consisting of a concrete pad, CMU block walls and corrugated metal roof.

**Personnel:** Average of 13 personnel

**Duration:** 14 March 2011 to 12 April 2011: 22 work days

**Mandays of Expended:** Previous Battalion NEW START  
NMCB 74: 260

**Tasking:** WIP at turnover: NEW START  
WIP at deployment completion 100%  
MD Tasked to NMCB 74 273  
Total Project MD 273

**Material Cost:** \$9,286.28

**Cost Savings:** \$95,550.00

**Significant Safety Issues:** Croatian safety standards are minimal and do not meet the NCF safety program.

**Significant QC Issues:** Upon arrival the site was said to be leveled and compacted; however upon investigation, was found to be diagonally out of level by one foot. Block provided for this project was improperly designed and of poor quality, corner block was not used. Block was not properly or consistently formed making it tedious to place and align.

**Significant Design Issues:** Designs showed CMU block with two cores, material available in Croatia has six cores. Prints called for reinforcing ladders every third course, however they were not available, to compensate the number of vertical reinforcement was doubled. Prints did not show interior wall tying in with exterior walls. Design showed attaching metal directly to the gable end trusses; there was not enough surface area on the truss to properly attach the metal so the gable end trusses were sheeted with plywood. 18<sup>th</sup> Engineering Brigade provided the design.

**Significant Material Issues:** Block provided for this project was improper design and of poor quality, corner block was not used due to inconsistencies in height and bowed webbing. Additional block was needed due to the weakness of the block received. Mortar was consumed faster than expected trying to maintain consistency across all columns while compensating for uneven block. Doors were not the proper swing or size for the openings lumber had to be placed above them to close the gap.



**Project Overview: Prior to Renovation**

**Project Overview: Project at Turnover**

**Slunj, Croatia**

**HCA11-01: Slunj Primary School Restroom Renovation**

**Project Data**

**Project Scope:** Demolish a 7.62m x 6.71m restroom facility and reconstruct and replace old with new tile, utilities, and paint.

**Personnel:** Average of 2 personnel

**Duration:** 27 April 2011 to 24 May 2011: 22 work days

**Mandays of Expended:** Previous Battalion NEW START  
NMCB 74: 42

**Tasking:** WIP at turnover: NEW START  
WIP at deployment completion 100%  
MD Tasked to NMCB 74 67  
Total Project MD 67

**Material Cost:** \$7,349.14

**Cost Savings:** \$23,450.00

**Significant Safety Issues:** Croatian safety standards are minimal and do not meet the NCF safety program.

**Significant QC Issues:** Host nation inspector was involved to insure Croatian construction standards were met. Croatian techniques for plumbing and electrical installation are not the same as U.S. but with the help of the Croatian Army Engineers, Croatian standards were maintained.

**Significant Design Issues:** Due limited knowledge of what was behind the walls, plumbing and electrical designs were finalized once existing tile was removed.

**Significant Material Issues:** Due to the limited time US Army Europe Engineers and Croatian Engineers had to perform a material takeoff and the limited knowledge of what was existing behind the tile (1950's construction; no plans were available), there were multiple material shortfalls on the original materials contract. These shortfalls were taken care of utilizing Field Ordering Officer funds. Delays in acquiring this money presented multiple challenges until the Contracting Officers arrived on site. The manufacturer measured the stall partitions but upon delivery they were not the right size. Partitions were returned and re-cut to the correct size.



Detachment HOA

## **Detachment HOA**

### **Operations Summary**

The FEARLESS Detachment HOA, consisting of 151 Seabees, was tasked with five projects and 12,296 Mandays worth of construction. Immediately, the Detachment set to work providing engineer and construction support to Combined Joint Task Force – Horn of Africa. The Detachment Headquarters element of 36 personnel was based at Camp Lemmonier and provided C2, administrative, operational oversight and logistical support to the other 92 Seabees that were sent on missions as construction teams to multiple forward operations locations. Each team ranged in size from 10 to 30 Seabees and successfully accomplished 12,296 Mandays of projects, ranging from engineering assessments, and camp improvements to increase manning capacities, water wells for local villages, and constructing multiple CMU school facilities.

The Seabees of the Detachment were key enablers for CJTF-HOA operational elements engaged in building partner nation capacity in order to promote regional stability, prevent conflict, and protect US and Coalition interests. Whether it was re-wiring faulty or dangerous electrical systems, analyzing camp electric distribution for a multinational CPX, constructing CMU buildings to provide much-needed education and medical facility space, or conducting topographical surveys to assist in launching a 48.77 meter bridge, the men and women of the Detachment worked side-by-side with their partner nation counterparts to give them the facilities they needed to ensure a higher quality of life.

This work did not come easily and the Detachment had to overcome many obstacles along the way. Perhaps the most challenging aspect of the deployment was the geographical dispersion of the Detachment's construction teams; by the end of deployment the FEARLESS Detachment HOA Seabees had completed projects at 28 different locations throughout Africa. This dispersion affected almost all aspects of the Detachment's operations. The construction teams proved to be resourceful and innovative in addressing problems, proactive in working with supported and adjacent forces, and above all effectively utilizing the Seabee "Can Do" spirit that has made Seabees the military engineers of choice.

### Detachment HOA Tasking Summary

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked %	Final WIP (%)	MD Expended this Deployment
Camp Lemonnier Maintenance	4000	\$40,000	4000	0-100	100	4000
Camp Simba Maintenance	1180	\$38,620	1180	0-100	100	1180
DJ9-805 Ecole 5	3418	\$497,941	2336	39-100	100	2785
Direct Labor Training	1962	\$0	1962	0-100	100	1962
DJ9-804 Kontali School	2722	\$419,000	644	76-100	97	846
ET9-802 Gende Gerada	2465	\$370,000	1861	4-75	77	1424
SOCCE Compound (Minor Project)	635	\$117,000	635	0-100	100	635
<b>Subtotal</b>	<b>16,382</b>	<b>\$1,482,561</b>	<b>12,618</b>			<b>12,832</b>



**Project Overview: Project Site Facility**



**Project Overview: Completed Project**

**Detachment HOA  
DJ9-805: Ecole 5 School**

**Project Data**

---

**Project Scope:** Completion of a 611.28 square meters of concrete and CMU block school. Work will include nearly 609.6m of security fencing with a double vehicle gate surrounding the site. The building dimensions are 57.30m long by 10.66m wide, containing five classrooms and two offices.

<b>Personnel:</b>	Average of 30 personnel	
<b>Duration:</b>	15 December 2010 to 8 April 2011: 79 work days	
<b>Mandays of Expended:</b>	Previous Battalion:	1082
	NMCB 74:	2785
<b>Tasking:</b>	WIP at turnover:	39%
	WIP at deployment completion	100%
	MD Tasked to NMCB 74	2336
	Total Project MD	3418
<b>Material Cost:</b>	\$497,941.00	
<b>Cost Savings:</b>	\$817,600.00	

**Significant Safety Issues:** High amounts of mortar mixing on the site exposed crew members to copious amounts of silica. The crew used N95 respirators to mitigate the hazard.

**Significant QC Issues:** Locally purchased materials were of inferior quality. Organics (salts) in the sand used for the interior/exterior stuccoing on the school caused the final product to crack and all stucco had to be reapplied using new sand from a local contractor. The crew also learned local application techniques to speed up the application

**Significant Design Issues:** Original SOW was completed on 12 March 2011 which included CMU block School. J-34 tasked NMCB 74 on 24FEB11 with the additional scope of completing the CMU Security Wall around the school. The tasking was to be completed without any additional funding.

**Significant Material Issues:** Locally purchased materials were of inferior quality and deliveries by local contractors were slow and unreliable. U.S. standards of materials are not recognized in Djibouti City and due to the lack of availability NMCB 74 had to adjust when allowed.





**Project Overview: Project Site Facility**



**Project Overview: Completed Project**

**Detachment HOA  
ET9-802: Kontali School**

**Project Data**

---

**Project Scope:** Construct a 6.75m x 25.60m concrete and CMU school with steel truss and corrugated metal roofing system. Building will have three classrooms of equal dimensions separated by CMU block walls with installed fixtures and solar panels. Compound consists of three classroom buildings, a covered cantina and a kitchen, a latrine and 450m of security fence.

<b>Personnel:</b>	Average of 10 personnel	
<b>Duration:</b>	15 December 2010 to 15 August 2011: 148 Work days	
<b>Mandays of Expended:</b>	Previous Battalion	2078
	NMCB 74:	846
<b>Tasking:</b>	WIP at turnover:	100%
	WIP at deployment completion	97%
	MD Tasked to NMCB 74	664
	Total Project MD	2722
<b>Material Cost:</b>	\$419,000.00	
<b>Cost Savings:</b>	\$225,400.00	

**Significant Safety Issues:** Rough road conditions was a daily concern and required a speed limit. The local power supply is unstable and has caused power surges throughout the town.

**Significant QC Issues:** Sand used for the interior/exterior stuccoing on the school had to be sifted onsite to guarantee a quality material for use. Locally procured fence and piping led to the fences top rails being threaded at one end and needing to be welded in place.

**Significant Design Issues:** Location of Solar Panels initially was at ground level adjacent to the east corner of the new school. J-34 held discussion with NAVFAC to relocate panels to roof new school.

**Significant Material Issues:** Materials received may not be the materials you expect. The quality of the materials from the local vendors is not the same quality you would get from a State side distributor. The timely delivery of material varies upon if the selected vendor has the materials in stock or has to order from the states. Also, if the vendor has to fabricate any of the requested material, be prepared to accept a lower quality product.



**Project Overview: Project Site Facility**



**Project Overview: Stucco Is Applied to Walls**

**Detachment HOA  
ET9-802: Gende Gerada School**

**Project Data**

---

**Project Scope:** Construct a 32.9m long by 8.53m wide one story schoolhouse, two four stall dry pit latrines. Building will consist of four classrooms, breezeway and overhang to match present buildings. Latrines will contain four stalls with the use of Turkish style toilets.

<b>Personnel:</b>	Average of 10 personnel	
<b>Duration:</b>	15 December 2010 to 15 August 2011: 148 work days	
<b>Mandays of Expended:</b>	Previous Battalion:	104
	NMCB 74:	1320
<b>Tasking:</b>	WIP at turnover:	4%
	WIP at deployment completion	77%
	MD Tasked to NMCB 74	1861
	Total Project MD	2465
<b>Material Cost:</b>	\$370,000.00	
<b>Cost Savings:</b>	\$651,350.00	

**Significant Safety Issues:** A Seabee lost the tip of his fourth digit and lacerated his third digit as a result of performing improper procedures in clearing a concrete shoot.

**Significant QC Issues:** Locally purchased materials were of inferior quality. CMU block delivered to site would break apart under own weight when picked up and had inconsistent dimension from one block to another. Local delivery methods of rebar have caused about 20% of rebar wastage.

**Significant Design Issues:** J-34 redesigned the truss system which added more purlins, “webs, and trusses. These changes added more cost which require a payment increase from AFRICOM.

**Significant Material Issues:** Locally purchased materials were of inferior quality. Actual delivery date of quality steel was mid July, vice the request late May.

## Detachment Water Well

### Operations Summary

The FEARLESS Detachment Water Well was tasked with six projects and 1,640 Mandays worth of construction. The FEARLESS Water Well team was charged with the completion of the Dire Dawa Regional Water Project, ET9-122. The overall project consisted of seven well locations scattered throughout the Dire Dawa and Shinelle regions of Ethiopia. The well locations, were Adgia, Legota Mirga, Gol Adag, Ashadelli, Gota # 1, Gota # 2, and Gota # 3. In addition to the conducting 24 hour drilling operations, they also performed all camp maintenance and camp sustainment operations for Camp Gilbert, located in Dire Dawa, Ethiopia. In total, the crew expended a total of 1194 Mandays on water well drilling operations alone, over a total duration of 83 days.



**Completed well in the village of Jedane**

The first water well was located in the village Jedane which took a total duration of 18 days. The well was opened to the public and officially turned over to the district water manager on 11 February 2011. The overall impact on the local villagers was immediately evident. The village chairman thanked the crew and expressed gratitude for the amazing gift, stating that is village had no clean water supply until now.

Following completion of the Jedane well, and maintenance period, the team moved out to their second site, Garmam. Following an initial meeting with local elders and district water management employees a site was agreed upon in the northeast section of the village. Drilling operations began in Garmam but were terminated on 25 April 2011, due to the hole yielding no water. The crew relocated to the west end of the village, in a lower depression near the wadi, where there was believed to be a stronger presence of water. Drilling operations in Garmam re-commenced and was 95% complete on 08 June 2011, when the team moved off site. The remaining 5% was the super-chlorination process, final draw down and pump placement. In order to complete the remaining 5% the team needed to have a



**Drilling in the village of Billa**

new submersible pump, which was previously ordered, on hand. When the part came in the well was able to be opened to the public on 28 June 2011.

The third and final well to be completed by the FEARLESS Detachment Water Well was located in the village of Billa. Following several meetings with local land owners, village elders and district water management employees a site was agreed upon just to the east of the village. This well yielded the most water of all three; at 60GPM. That yield made it a prime candidate for an electric pump; which the district water manger is hoping to install by the end of the year. The well was opened to the public and both the Garmam and Billa wells were officially turned over to the Erer Gota district water manager on 19 July 2011.

### Water Well Tasking Summary

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked (%)	Final WIP (%)	MD Expended this Deployment
ET9-122 Dire Dawa Regional Water Program	4314	\$395,000	1620	60-77	87	1251
<b>Subtotal</b>	<b>4,314</b>	<b>\$395,000</b>	<b>1,620</b>			<b>1,251</b>



**Project Overview: Prior to Construction**



**Project Overview: Project at turnover**

**Detachment HOA Water Well  
ET9-122: Dire Dawa Regional Water Program**

**Project Data**

---

**Project Scope:** Establish base camp in Dire Dawa, Ethiopia and complete the construction of seven 90-100m hand pump operated wells in the Dire Dawa and Shinele regions by use of mud rotary drilling. Each well will consist of 15.24cm PVC casing; 5.08cm galvanized steel draw pipe, sanitary seal, concrete base with catch basin, and a galvanized steel hand pump. Train the local population on operation and maintenance at the completion of each well.

<b>Personnel:</b>	Average of 14 personnel	
<b>Duration:</b>	15 December 2010 to 15 August 2011: 110 workdays	
<b>Mandays of Expended:</b>	Previous Battalion	2505
	NMCB 74:	1251
<b>Tasking:</b>	WIP at turnover:	60%
	WIP at deployment completion	87%
	MD Tasked to NMCB 74	1620
	Total Project MD	4314
<b>Material Cost:</b>	\$395,000.00	
<b>Cost Savings:</b>	\$567,000.00	

**Significant Safety Issues:** The remote location of the well drilling operations required constant focus on well drilling operations.

**Significant QC Issues:** No site specific hydrological surveys. It has been highly recommended to J-34 that all future well projects include hydrological surveys for the specific site. The second well drilled came up dry due to the fact that we were working off an area survey, as opposed to a site specific survey that could have been used to identify aquifer locations in that area.

**Significant Design Issues:** None.

**Significant Material Issues:** None.

This Page Intentionally Left Blank



Detachment Macedonia

## Detachment Macedonia

### Operations Summary



**FEARLESS Seabees Demo Softball Fields In Rota, Spain** The FEARLESS Detachment Macedonia was tasked with four projects and 849 Mandays worth of construction. The first project was MCD04-10, Armory Tiling Project, and consisted of laying new tile and painting the walls of the interior of the existing Camp Mitchell Armory, in order to improve the workspace for the facility's residents. This 72 manday project provided the crew an excellent opportunity to hone their tile-laying. The second project in Camp Mitchell was, SP11-808, Youth Softball Field Demolition. During this project, the DET removed 228.00 meters of fencing, demolished two dugouts, and leveled 200.66 sq m of dirt.

In Macedonia, the FEARLESS Detachment Macedonia, consisting of 21 personnel, worked near the village of Demir Kapija. The tasking consisted of the renovating a primary school building, to include new plumbing, over 278.70 sq meters of tile, painting, new fixtures, new stair case, several additional wall partitions, installation of water heaters and installation of Furniture, Fixtures & Equipment (FF&E) constructed a Pole Barn structure to house the municipality's three utility vehicles. The construction greatly aided the people of Demir Kapija.

### Detachment Macedonia Tasking Summary

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked %	Final WIP (%)	MD Expended this Deployment
Detail Mission Planning	168	\$0	168	0-100	100	168
DL Training	139	\$0	139	0-100	100	135
MCD04-10 Armory Tiling Project	92	\$0	92	0-100	100	77
SP11-808 Youth Softball Field Demolition	48	\$0	48	0-100	100	25
Demir Kapija Primary School Renovation	539	\$61,000	539	0-100	100	665
Demir Kapija Fire-Safety Vehicle Garage	170	\$114,146	170	0-100	100	212
<b>Subtotal</b>	<b>1,156</b>	<b>\$175,146</b>	<b>1,156</b>			<b>1,282</b>





**Project Overview: Bunk Room and Head Renovation**



**Project Overview: Completed Project**

**Rota, Spain  
MCD04-10: Armory Tiling Project**

**Project Data**

---

**Project Scope:** Install ceramic tile over the existing vinyl tile approximately 5m by 5m floor and paint walls.

<b>Personnel:</b>	Average of 6 personnel	
<b>Duration:</b>	01 March 2011 to 17 March 2011: 13 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 77
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 92 92
<b>Material Cost:</b>	\$0.00	
<b>Cost Savings:</b>	\$32,200	

**Significant Safety Issues:** Eye punctures and hand laceration hazards were present while cutting the tile, which posed the most significant safety risks. Proper PPE and tile cutting safety plans were implemented.

**Significant QC Issues:** Work pace could have influenced crew to cut corners, but they maintained high quality standards. The most significant quality issues were the room not being square and properly placing tile.

**Significant Design Issues:** None. NMCB 74 Engineering Aid Shop provided the design for the tile layout.

**Significant Material Issues:** No issues were experienced with the materials.



**Project Overview: Demolition Operations**



**Project Overview: Clearing Fence for Project Finish**

**Rota, Spain**  
**SP11-808: Demo Fencing at Youth Sports Field #2**

**Project Data**

---

**Project Scope:** Remove and store chain link fence for future use. Demo two dug outs and transport soil to dump site.

**Personnel:** Average of 7 personnel

**Duration:** 22 March 2011 to 28 March 2011: 5 work days

**Mandays of Expended:** Previous Battalion NEW START  
NMCB 74 25

**Tasking:** WIP at turnover: NEW START  
WIP at deployment completion 100%  
MD Tasked to NMCB 74 48  
Total Project MD 48

**Material Cost:** \$0.00

**Cost Savings:** \$16,800.00

**Significant Safety Issues:** Laceration hazards while cutting the chain link of the existing fence. There were tripping hazards due to holes after pulling fence post out of ground and having no backfill onsite. Proper PPE and safety awareness lectures were implemented as mitigating techniques.

**Significant QC Issues:** The most significant quality issue was backfilling the holes and leveling ground. Also, ensuring fence material was palletized and stored properly for acceptance by MLO.

**Significant Design Issues:** None.

**Significant Material Issues:** None.



**Project Overview: Demolishing Interior Tile**



**Project Overview: Renovation Project Complete**

**Demir Kapija, Macedonia  
Renovation of Primary School**

**Project Data**

---

**Project Scope:** Remove and replace doors, floor tile, toilets, sinks, and associated plumbing. Scrape loose paint off walls, prep surfaces, and repaint. Install corkboard, whiteboards, and chalkboards in classrooms. Replace all finish work. Demolish and build new concrete patio and steps at building entrance..

<b>Personnel:</b>	Average of 9 personnel	
<b>Duration:</b>	02 May to 27 July: 66 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 665
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 539 539
<b>Material Cost:</b>	\$64,809	
<b>Cost Savings:</b>	\$61,000	

**Significant Safety Issues:** Eye puncture and hand laceration hazards were present while cutting the tile, this presented the most significant safety risks. Proper PPE and safety awareness lectures were implemented as mitigating techniques.

**Significant QC Issues:** Work pace could have influenced crew to cut corners, but they maintained high quality standards. The most significant quality issues were the room not being square.

**Significant Design Issues:** None. Design for renovation was created through organic P&E.

**Significant Material Issues:** Significant issues attaining materials from local contractors. Local contractors consistently could not provide quality or correct material in a timely fashion. This caused significant delays in the project.



**Project Overview: Project Steel Structure**



**Project Overview: Completed Project**

**Demir Kapija, Macedonia  
Fire Safety Vehicle Garage**

**Project Data**

---

**Project Scope:** Construct a 18.29m x 7.62m light frame steel structure to house Demir Kapija’s new fire truck. Foundation work and steel manufacturing is to be completed by local contractors. The garage will include one 4.5mx 7.62m office, which will include the installation of rough electrical.

<b>Personnel:</b>	Average of 9 personnel	
<b>Duration:</b>	06 June to 20 July: 28 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 212
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 170 170
<b>Material Cost:</b>	\$114,415	
<b>Cost Savings:</b>	\$59,500	

**Significant Safety Issues:** Working at higher elevation during the erection of the steel frame of the structure. Safety harnesses and proper ladder climbing techniques were utilized to minimize the risk.

**Significant QC Issues:** The concrete pad was completed by host national contractor, which resulted in a usable pad, but with some quality issues.

**Significant Design Issues:** Office space was added on to the project late in the design phase.

**Significant Material Issues:** Significant problems arose when getting material. Contractors consistently brought inadequate quality, wrong type, and wrong quantity of material.



Detachment One

## **Detachment One**

### **Operations Summary**

The FEARLESS Detachment One consisting of 11 Seabees to provided camp improvements and operational support for Special Operations Forces (SOF) at Forward Operating Locations (FOL) in and around the Horn of Africa (HOA) and on Camp Lemmonier, Djibouti.

The Detachment was tasked with 36 operational support tasks and 1,171 Mandays worth of construction. The direct labor supported missions at the assigned FOL, with required camp improvements ranging from the installation of concrete pads, to pre-engineered buildings repair and installation, and electrical and power grid system installations.

The Detachment also often acted as engineer technical representatives for the task force and performed QC duties and prior to the task force acceptance of the Building Occupancy Date letter. Any camp improvements downrange were inspected using NCF building standards and evaluated for combat effectiveness, and survivability using the Joint Forward Operating Base Force Protection Handbook. Once approved, payment for local contractor projects was initiated.

Due to the nature of the mission (accelerated op-tempo, austere forward locations, environmental conditions, and elevated FPCON levels in the AO), the FEARLESS Detachment One Seabees maintained a consistently high state of combat readiness through heat acclimation efforts, an aggressive PT regimen, combat lifesaver certifications with refreshers, and incremental live-fire Quick range sessions. Hands-on, cross-rate training, along with existing rate knowledge, ensured diverse technical expertise. More than 18,700 hours of on-site work and \$2,200 in construction supply consumables were used to maintain proper levels of readiness for all hands.

Operational risk management was built into everything Detachment One accomplished; safety, quality and timeliness were the highest priorities, and in that order too. Regarding safety, for the entire deployment Detachment One had zero mishaps, near mishaps or lost time. Concerning quality, all projects were carefully planned and subsequently completed with no rework needed. All camp improvements, operations support and QA/QC tasking were completed on or ahead of schedule.

### Detachment One Tasking Summary

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked %	Final WIP (%)	MD Expended this Deployment
Camp Improvements	800	\$450,000	800	0-100	100	800
Operational Support	194	\$112,500	194	0-100	100	206
Direct Labor Training	146	\$2,200	146	0-100	100	146
<b>Subtotal</b>	<b>1,140</b>	<b>\$564,700</b>	<b>1,140</b>			<b>1,152</b>

This Page Intentionally Left Blank





Detachment Romania

## **Detachment Romania**

### **Operations Summary**

The FEARLESS Detachment Romania was tasked to complete two projects and 1,462 Mandays worth of construction. The first project was SP11-889, and consisted of a 55m concrete sidewalk in order to expand an existing Navy Exchange Garden Shop concrete pad. The Detachment's efforts ultimately enhanced the Navy Exchange forklift operator's ability to move freely from the NEX warehouse to the store without causing damage to the existing sidewalk. Additionally, this project eliminated the hazard of the forklift tipping off the narrow road and the potential for damage to personnel, equipment or material.

The second NEX exchange sidewalk would further allow a forklift to travel around the outside of the NEX store with ease. Project SP11-806 NEX Sidewalk II involved the construction of approximately 46.80 meters of new concrete sidewalk to connect to the existing concrete sidewalk behind Bldg. 3300. The Detachment turned this project over to Bravo Company with 100% accountability of material, gear and equipment immediately prior to deploying to Romania.

In March 2011 the Detachment began construction of new wooden fence behind Rota Spain Air Terminal B.2. The crew tackled the demolition and construction of a new 255-liner foot long by 10-foot high fence. This much-needed fence would aid in the efforts to keep Foreign Object Debris (FOD) that could lead to potential damage to aircraft or loss of life off the runway. The Detachment turned Project SP11-897 over to Detachment West Africa on 12 April 2011 with 100% accountability of material, gear and equipment immediately prior to deploying to Romania.

On 14 April 2011 the 26 member Detachment arrived at the Permanent Forward Operating Site (PFOS) located on Mihail Kogalniceanu Air Base (MK) near Constanta, Romania. The Detachment's main tasking in Romania was the demolition and renovation of the 5 story multi-wing concrete and brick Special Operations Training Group (SOTG) facility. The renovation of this facility directly impacted the operational capability of Special Operations Command Europe (SOCEUR) and other Department of Defense (DoD) forces by enhancing the berthing and messing facilities for future Jackal Stone exercises. The project began on 20 April 2011 with the demolition of concrete walls, electrical, floor/wall tile and plumbing. The Seabees efforts during demolition propelled the Detachment 103 Mandays ahead of schedule.

The Detachment personnel overcame obstacles with placing tile, repairing stucco walls and painting. Due to uneven surfaces and the requirement for exotic cuts of tiles the Detachment fell 13% behind schedule. This set back was overcome by the purchase of 5 paint sprayers that

reduced cut scheduled duration for this activity in half. The SOTG facility was completed on 20 July 2011, 7 days ahead of the original completion date. The customer was very pleased with the work. The construction completed by the FEARLESS Detachment Romania directly impacted the operational capability of SOCEUR, and other DoD forces by enhancing their berthing and messing facilities.

### Detachment Romania Tasking Summary

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked %	Final WIP (%)	MD Expended this Deployment
SP11-889 NEX Garden Shop Sidewalk Phase I	82	\$3,623	82	0-100	100	135
RM11-848 Renovation of Special Operations Training Group Facility	1,201	\$75,679	1,201	0-100	100	1,248
<b>Subtotal</b>	<b>1,283</b>	<b>\$79,302</b>	<b>1,283</b>			<b>1,383</b>



**Project Overview: Prior to Construction**



**Project Overview: Completed Project**

**Rota, Spain**  
**SP11-889: NEX Garden Shop Sidewalk Phase I**

**Project Data**

---

**Project Scope:** Construct a 10.16cm x 1.99m x 55.44m concrete sidewalk with reinforcing steel. Expand existing Garden pad by 91.44cm.

<b>Personnel:</b>	Average of 6 personnel	
<b>Duration:</b>	08 February to 28 March 2011: 28 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 135
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 82 82
<b>Material Cost:</b>	\$ 3,623.66	
<b>Cost Savings:</b>	\$ 28,700.00	

**Significant Safety Issues:** None

**Significant QC Issues:** Using a foam expansion joint product caused the joints to look crooked in some areas. The foam joint separated very easily and did not stay in place during the concrete pour.

**Significant Design Issues:** None.

**Significant Material Issues:** Both procurement of quality fill material and the expansion joint compound took much longer than expected, significantly putting the project behind schedule. The foam expansion joint used was not the best quality material and caused the concrete joints to look crooked in some areas.



**Project Overview: Exterior Prior to Construction**



**Project Overview: Completed Project**

**Constanta, Romania  
RM11-848: Renovation of Special Operations Training Group (SOTG) Facility**

**Project Data**

---

**Project Scope:** Renovate four floors of a SOTG Facility to include repairing or installing all doors; installing new plumbing fixtures and associated rough in plumbing where required throughout; installation of four split unit environmental control units; install new electrical outlets, switches, lights and panel; replace all existing wall tile, repairing stucco where required; paint all walls and trim.

<b>Personnel:</b>	Average of 19 personnel	
<b>Duration:</b>	20 April to 20 July 2011: 65 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 1248
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 1201 1201
<b>Material Cost:</b>	\$ 75,679.83	
<b>Cost Savings:</b>	\$ 420,350.00	

**Significant Safety Issues:** None

**Significant QC Issues:** None.

**Significant Design Issues:** None.

**Significant Material Issues:** FOO (Field Ordering Officer) money enhanced our ability to purchase project materials needed for both management and execution. Before this occurred, various project materials were purchased by DET personnel to ensure no project delays.

This Page Intentionally Left Blank



Detachment Sigonella

## Detachment Sigonella

### Operations Summary

Responding to immediate 48-hour tasking, the 27 personnel of the FEARLESS Detachment Sigonella stood up on 19 May 2011 and rapidly deployed on 20 May 2011 to Naval Air Station Sigonella via the HSV-2 Swift in support of Operation Unified Protector. With the rising hostilities and civil unrest in Libya, Sigonella became the strategic base of operation for NATO air forces and the large influx of personnel caused a fast requirement for a tent camp in order to berth the newly arriving forces.

The Detachment was tasked with three projects and 658 Mandays worth of construction. The first project was DS11-01, Tent Camp Site Prep, and consisted of clearing and grubbing 16,200 sq meters and place a 15.24cm layer of select fill over field in preparation for a 550-man tent camp. Next was project DS11-04, Tent Camp Substation Pad, to make a raised area for the critical electric substation. Also an important drain was cleared and repaired to further improved the facilities of the new camp.

With the site prepared, the DET worked hand in hand with the Air Force Civil Engineer Squadron to help the physical tent camp, and then conduct daily camp maintenance and oversee the general camp improvements to include power and water distribution. These operations were daily tasks that accounted for 564 of the Detachments expended Mandays. The DET also completed a drainage project on base that saved the Navy over \$500,000 in contract work. The Detachment completed turnover with NMCB 5, and rejoined Mainbody in Rota, Spain on 10 August 2011.

### Detachment Sigonella Tasking Summary

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked %	Final WIP (%)	MD Expended this Deployment
DL Training	169	\$0	169	LOE	100	169
OIC Discretionary	206	\$0	206	LOE	100	200
Tent Camp Maintenance	364	\$0	364	LOE	100	364
DS11-01 Tent Camp Site Prep	70	\$90,000	70	0-100	100	70
DS11-04 Tent Camp Substation Pad	18	\$1529.29	18	0-100	100	42
<b>Subtotal</b>	<b>821</b>	<b>\$91,529.29</b>	<b>827</b>			<b>906</b>





**Project Overview: Prior to Construction**



**Project Overview: Completed Project**

**Sigonella, Italy  
DS11-01: Tent Camp Site Prep**

**Project Data**

---

**Project Scope:** Clear and grub roughly 16,200m sq and place a 15.24cm layer of select fill over field in preparation for a 550 man tent camp.

<b>Personnel:</b>	Average of 5 personnel	
<b>Duration:</b>	1 June 2011 to 15 June 2011: 13 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 70
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 70 70
<b>Material Cost:</b>	\$90,000.00	
<b>Cost Savings:</b>	\$24,500.00	

**Significant Safety Issues:** There were no significant safety issues noted during the course of this project. PPE was used throughout the project to mitigate any associated hazards.

**Significant QC Issues:** None.

**Significant Design Issues:** Area staked out by Air Force engineers was incorrect size for the required fire marshal spacing between the tents.

**Significant Material Issues:** None



**Project Overview: Completed Project**



**Project Overview: Prior to Construction**

**Sigonella, Italy  
DS11-04: Tent Camp Substation Pad**

**Project Data**

---

**Project Scope:** Place 5 cubic meters of concrete for Tent Camp Substation Pad. Place 10 meters of conduit from manhole in road to new substation pad.

**Personnel:** Average of 8 personnel

**Duration:** 28 June 2011 to 5 July 2011: 5 work days

**Mandays of Expended:** Previous Battalion NMCB 74: NEW START 42

**Tasking:**

WIP at turnover:	NEW START
WIP at deployment completion	100%
MD Tasked to NMCB 74	18
Total Project MD	18

**Material Cost:** \$1529.29

**Cost Savings:** \$6,300.00

**Significant Safety Issues:** There were no significant safety issues noted during the course of this project. PPE was used throughout the project to mitigate any associated hazards.

**Significant QC Issues:** There were no significant QC issues noted during the course of this project.

**Significant Design Issues:** None.

**Significant Material Issues:** None.



**Project Overview: Prior to Removal of Sediment**



**Project Overview: Completed Project**

**Sigonella, Italy  
DODDS Drainage Repair**

**Project Data**

---

**Project Scope:** Remove sediment build up and debris from a drainage pipe located under the DODDS School soccer field.

<b>Personnel:</b>	Average of 5 personnel	
<b>Duration:</b>	20 June to 8 July 2011: 14 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 61
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% LOE LOE
<b>Material Cost:</b>	\$0	
<b>Cost Savings:</b>	N/A	

**Significant Safety Issues:** The primary safety issue was ensuring the site was certified gas free daily and communicating with Public Works to have water shut off while crew was working, Crew followed safety plan and had no issues. PPE was used throughout the project to mitigate any associated hazards.

**Significant QC Issues:** There were no significant QC issues noted during the course of this project.

**Significant Design Issues:** None.

**Significant Material Issues:** None.

This Page Intentionally Left Blank



Detachment West Africa

## **Detachment West Africa**

### **Operations Summary**

The FEARLESS Detachment West Africa was organized to include all of the Detachments with missions in the Western part of the African Continent. Specifically they were Detachments Senegal, Morocco, and the four missions of the African Partnership Stations.

The FEARLESS Detachment West Africa was tasked with five projects and 494 Mandays worth of construction. For the project BT11-001, OPS Shop Move (Phase I), and consisted of new office space in the CTR building (345A) the crew constructed a drop ceiling, lights, sheetrock walls, split A/C units, interior doors, carpet and all finishes. The operation created a critical new workspace for the MLO.

Also completed by the Detachment were SP11-801 and SP10-848, Fuel Truck Access Road at Buildings 45 and 3307, respectively. For each the crews placed 30 cm of aggregate base compacted to 95%, topped with bedding sand, and installed pre-cast concrete curbs, turf stone, and tubular bollards at the fueling site. The hard work dramatically improved the mobility and ease of the refueling operations for the facility's outdoor tanks, while also positively impacting the area's appearance.

During the month of April, the Fuel Access Road Project was a project to place 30cm of aggregate base compacted to 95%, topped with sand and turf stone, pre-cast concrete curbstone, and 2 tubular steel bollards. This 26 day project was professionally done and ensured the fuel deliveries were safer for the contractor and more efficient.

SP11-897, the Air Field Terminal Fence Project, provided a new 2.43 meter high fence for the outdoor break area of the air terminal facility. The new fence was a welcomed addition in improving the atmosphere of the terminal, and will serve employees and travelers for years.

At the MWR Pool Rehab Project, (SP11-900) the crew installed a "Vortex" water slide, a new diving board and placed a poolside concrete pad at the swimming pool located at base housing. The detachment's careful planning and execution ensured all tasking was completed on schedule for the pool's Memorial Day grand opening.

### Detachment West Africa (Mainbody) Tasking Summary

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked (%)	Final WIP (%)	MD Expended this Deployment
BT11-001 OPS SHOP MOVE (PHASE I)	62	\$12,000.00	62	0-100	100	119
SP11-801 FUEL TRUCK ACCESS ROAD, BLDG. 45	101	\$3,013.81	101	0-100	100	38
SP10-848 FUEL TRUCK ACCESS ROAD, BLDG. 3307	93	\$10,539.16	93	0-100	100	218
SP11-897 REPLACE WOODEN FENCE AT AIR TERMINAL	93	\$13,505.04	93	0-100	100	174
SP11-900 MWR Outdoor Pool Slide Installation	211	\$3,500	211	0-100	100	145
<b>Subtotal</b>	<b>560</b>	<b>\$42,558.00</b>	<b>560</b>			<b>694</b>



**Project Overview: Prior to Construction**



**Project Overview: Completed Project**

**Rota, Spain**  
**BT11-001: Bldg 345A Renovate Operations Office Phase One**

**Project Data**

---

**Project Scope:** Build new office space in the CTR building (345A); which included drop ceiling, lights, sheetrock walls, split A/C units, interior doors, carpet and all finishes.

<b>Personnel:</b>	Average of 6 personnel	
<b>Duration:</b>	23 March 2011 to 3 May 2011: 25 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 119
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 62 62
<b>Material Cost:</b>	\$12,000.00	
<b>Cost Savings:</b>	\$21,700.00	

**Significant Safety Issues:** None.

**Significant QC Issues:** Self-leveling floor compound was required to lay tile due to unlevel surface of existing concrete floor in order to lay tile.

**Significant Design Issues:** Customer requested that we place ceramic floor tile instead of carpet. .

**Significant Material Issues:** We utilized materials from the MCD excess warehouse. A delay in the project resulted from two week lead time for the .60cm x 3.65m x4.87m lumber to arrive.





**Project Overview: Prior to Construction**



**Project Overview: Completed Project**

**Rota, Spain  
SP11-801: Bldg 45 Fuel Truck Access Road**

**Project Data**

---

**Project Scope:** Placement of 30cm of compacted aggregate base compacted to 95%, topped with sand. Installation of turf stone, placement of pre-cast concrete curbs and two tubular steel bollards.

<b>Personnel:</b>	Average of 4 personnel	
<b>Duration:</b>	4 April 2011 to 28 April 2011: 12 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 38
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 101 101
<b>Material Cost:</b>	\$3,013.81	
<b>Cost Savings:</b>	\$35,350.00	

**Significant Safety Issues:** None.

**Significant QC Issues:** Adjustments to methodology for leveling and compacting turf stone without damaging the materials were made. There were several delays due to inclement weather during this project.

**Significant Design Issues:** None.

**Significant Material Issues:** None.



**Project Overview: Prior To Construction**



**Project Overview: Completed Project**

**Rota, Spain**  
**SP10-848: Bldg 3307 Fuel Truck Access Road**

**Project Data**

---

**Project Scope:** Placement of 30 cm of compacted aggregate base compacted to 95%, topped with bedding sand. Installation of pre-cast concrete curbs, turf stone, and three tubular bollards.

<b>Personnel:</b>	Average of 7 personnel	
<b>Duration:</b>	30 December 2010 to 11 March 2011: 38 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 218
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 93 93
<b>Material Cost:</b>	\$10,539.16	
<b>Cost Savings:</b>	\$32,550.00	

**Significant Safety Issues:** There was one mishap reported during the project. It was a back strain from lifting the turf stone. The crew received proper training on correct lifting measures.

**Significant QC Issues:** Adjustments to methodology for leveling and compacting turf stone without damaging the materials were made. There were several delays due to inclement weather during this project.

**Significant Design Issues:** Crew had to adjust the road layout in order to place curb and turf stone around tree roots for environmental purposes.

**Significant Material Issues:** No issues with material procurement.



**Project Overview: Prior to Construction**



**Project Overview: Completed Project**

**Rota, Spain**  
**SP11-897: Replace Wooden Fence at Air Terminal**

**Project Data**

---

**Project Scope:** Demolish existing fence. Construct new 77.72m wooden fence 2.43m high behind air terminal B2.

**Personnel:** Average of 4 personnel

**Duration:** 30 March 2011 to 24 June 2011: 54 work days

**Man days Expended:** Previous Battalion NEW START  
 NMCB 74: 174

**Tasking:** WIP at turnover: NEW START  
 WIP at deployment completion 100%  
 MD Tasked to NMCB 74 93  
 Total Project MD 93

**Material Cost:** \$13,504.04

**Cost Savings:** \$32,550.00

**Significant Safety Issues:** None.

**Significant QC Issues:** Project was delayed 13 days while waiting for a response to the Field Adjustment Request (FAR) that lowered the fence from 3.04m to 2.43m.due to the length fence planking on hand.

**Significant Design Issues:** Design was changed to accommodate fence material.

**Significant Material Issues:** Material procurement for this specific lumber requirement was a very long lead item.



**Project Overview: Prior to construction**



**Project Overview: Completed Project**

**Rota, Spain**  
**SP11-900: MWR Outdoor Pool Slide Installation**

**Project Data**

---

**Project Scope:** Install “Vortex Water Slide” per manufacturer instructions. Verify necessary parts for pump and plumbing system are included. Demo existing diving board and install new diving board. Demolish existing green patio and repair concrete pad by placing new concrete in place of green patio.

<b>Personnel:</b>	Average of 4 personnel	
<b>Duration:</b>	11 March 2011 to 27 May 2011: 46 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 145
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 211 211
<b>Material Cost:</b>	\$3,500.00	
<b>Cost Savings:</b>	\$73,850.00	

**Significant Safety Issues:** None.

**Significant QC Issues:** The concrete that the foot of the diving board bolted to was required to be tapered for aesthetics. Also, the crew replaced the concrete pad after the first pour due to an improper finish.

**Significant Design Issues:** None.

**Significant Material Issues:** There was a slight delay in getting materials for the pump, however, they did arrive before the last day of work.

## **Detachment African Partnership Stations (APS)**

### **Operations Summary**

The FEARLESS Detachment African Partnership Stations (APS) was tasked with two projects and 66 Mandays worth of construction. APS was organized into four distinct missions in which two were executed by a Fly In Echelon (FIE) and the other two were performed by shipboard teams. All of the missions were small construction tasks where the Seabees were to act as overhead labor, guide and sometimes assist the direct labor that was provided by the US vessels that were in the area.

### **APS Fly in Echelon (FIE) (USS Bradley Roberts): Lome, Togo and Lagos, Nigeria**



**USS ROBERT G. BRADLEY Fly in Echelon**

The deployments of the fly away team consisted of two Seabees working in Lome, Togo, and to Lagos, Nigeria. While in-country the FEARLESS Seabees served as construction experts for Sailors from USS Robert G. Bradley (FFG 49). In Lagos, the provided crew constructed 40 desks and shelving for the Junior Secondary School Tomaro on Onisiwo Island. In Lome, the ship's crew re-painted and renovated the hospital maternity ward of Totkin National Hospital. Each

project greatly improved the facilities for the students and hospital workers.

### **APS Shipboard Echelon (USS WHIDBEY ISLAND): Douala, Cameroon and Libreville, Gabon**

The shipboard team, consisting of eight members, performed with excellence in Douala, Cameroon, and Libreville, Gabon. While deployed to Douala, Cameroon the Detachment shipboard team had a two week mission to construct 60.96 meters of concrete walkway at the Region Two Military Hospital. The walkway increased the ease of access within the compound's five outer buildings. The second shipboard mission made key improvements to an the abandoned Children of Agondje Children's Center in Libreville, Gabon. The dedicated work that was performed included 75 new shelves and cabinets for storage space, new lights and wiring in four buildings, and numerous other minor upgrades around the compound.

### Detachment APS Tasking Summary

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked %	Final WIP (%)	MD Expended this Deployment
APS FIE (Cameroon) Military Hospital Walkway	26	\$5,950	26	0-100	100	26
APS FIE (Gabon) Children's Center	40	\$5,000	40	0-100	100	40
Subtotal	66	\$37,236	136	0-100	100	66



**Project Overview: Prior to Construction**



**Project Overview: Completed Project**

**Douala, Cameroon  
Military Hospital Walkway**

**Project Data**

---

**Project Scope:** Construct 60.96m of concrete walkway at the Region Two Military Hospital in Douala, Cameroon.

<b>Personnel:</b>	Average of 4 personnel	
<b>Duration:</b>	13 June 2011 to 17 June 2011: 4 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 26
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 26 26
<b>Material Cost:</b>	\$10,000.00	
<b>Cost Savings:</b>	\$5,950.00	

**Significant Safety Issues:** None

**Significant QC Issues:** As there was no concrete mixer, concrete was mixed on the ground and shoveled into the formwork.

**Significant Design Issues:** None.

**Significant Material Issues:** None.



**Project Overview: Existing Room**



**Completed Rooms with cabinets and lights**

**Libreville, Gabon  
Agondje, Children's Center**

**Project Data**

---

**Project Scope:** Construct cabinet, wardrobes with doors, install 75 light fixtures, six receptacles, 100 meters of 3-12 electrical wire, construct four desks, and install 2 new toilette tanks.

<b>Personnel:</b>	Average of 4 personnel	
<b>Duration:</b>	15 July 2011 to 29 July 2011: 12 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 40
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 40 40
<b>Material Cost:</b>	\$26,236	
<b>Cost Savings:</b>	\$5,000	

**Significant Safety Issues:** None

**Significant QC Issues:** Low quality of existing electrical wiring coming into compound created challenges during the electrical construction phases.

**Significant Design Issues:** None.

**Significant Material Issues:** None.



## Detachment Morocco

### Operations Summary

The FEARLESS Detachment Morocco consisting of 22 Seabees, deployed to Tan Tan, Morocco via the HSV-2 SWIFT on 05 May 11. Their mission was to perform Exercise Related Construction in support of Exercise African Lion 2011 (AF11). The exercise, designed to promote interoperability and mutual understanding of each nation's military tactics, techniques, and procedures, was the largest military exercise in the USAFRICOM AO, with over 3,000 U.S. and Moroccan military personnel participating.

The Detachment provided Exercise Related Construction (ERC) and logistical improvements to the training area at Cap Draa, Morocco in order to enhance future exercises. Specifically the DET was tasked with two projects and 231 Mandays worth of construction. The first project was and consisted of Construct a 10.67m x 13.71m K-Span building on a pre-existing concrete pad, complete with one roll-up door, two double service doors, electrical outlets, and interior and exterior lighting. The K-Span was for both the use of U.S. and Moroccan forces.

The FEARLESS Detachment Morocco was also tasked with the improvement of a low-water crossing at the Cap Draa River, near the town of Tan Tan. To make a permanent river crossing site, the Detachment placed approximately 300 tons of rock and coarse aggregate on the river bottom and banks to form a roadway allowing the river to flow unhindered during both wet and dry seasons with no fear of additional river bank erosion. It took a crew of seven Seabees five days to complete the river crossing, which allowed several Army and Marine tanks to traverse the river in order to complete their training mission with the Moroccan Armed Forces.

### **Detachment Morocco Tasking Summary**

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked %	Final WIP(%)	MD Expended this Deployment
DL Training	71	\$0	71	0-100	100	71
K-Span	200	\$34,450	200	0-100	100	265
River Crossing	31	\$0	31	0-100	100	31
<b>Subtotal</b>	<b>302</b>	<b>\$34,450</b>	<b>302</b>			<b>367</b>



**Project Overview: Prior to Construction**



**Project Overview: Completed Project**

**Tan Tan, Morocco  
K-Span**

**Project Data**

---

**Project Scope:** Construct a 10.67m x 13.71m K-Span building on a pre-existing concrete pad, complete with one roll-up door, two double service doors, electrical outlets, and interior and exterior lighting.

<b>Personnel:</b>	16 personnel	
<b>Duration:</b>	7 May 2011 to 25 May 2011: 18 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 265
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 200 200
<b>Material Cost:</b>	\$34,450.00	
<b>Cost Savings:</b>	\$70,000.00	

**Significant Safety Issues:** None.

**Significant QC Issues:** A portion of the interior concrete pad was deficient. Existing concrete was placed to the incorrect dimensions 10.67m 14.63m; final building measures 10.67m x 13.71m. The footer and angle iron for the west end wall required additional concrete to be placed to correct for this discrepancy. The threshold for the west service door was corrected when the angle iron was moved to the correct position. The frame was then filled with gravel to create a flush threshold. One of the exhaust fans had been previously installed and had burnt electrical wiring. Only one exhaust fan was installed in the west end wall. No keys were provided for the service door located on the east end wall.

**Significant Design Issues:** None

**Significant Material Issues:** K-Span steel delivery was delayed in Agadir for three days. UBM did not work well in the rain. Materials for concrete ran low due to all the existing concrete that needed to be corrected or expanded.



**Project Overview: Prior to Construction**



**Project Overview: Completed Project**

**Tan Tan, Morocco  
River Crossing**

**Project Data**

---

**Project Scope:** Construct a permanent river crossing by returning the river banks to their natural slope and placing coarse aggregate on the river bottom and banks to act as a roadway. Construct a roadway 5m wide by 30m long to extend across the river.

<b>Personnel:</b>	7 personnel	
<b>Duration:</b>	7 May 2011 to 17 May 2011: 5 work days	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 31
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 31 31
<b>Material Cost:</b>	\$0.00	
<b>Cost Savings:</b>	\$16,250	

**Significant Safety Issues:** This project involved heavy lifting and the operation of heavy equipment.

**Significant QC Issues:** None.

**Significant Design Issues:** None.

**Significant Material Issues:** None.

## Detachment Senegal

### Operations Summary

In the final three months of NMCB 74's EUCOM/AFRICOM deployment, the FEARLESS Detachment Senegal to deployed to Dakar, Senegal in order to renovate the first floor of a Maritime Domain Awareness (MDA) Operations center located on the downtown Senegalese Naval Base.

The FEARLESS Detachment Senegal was tasked with one project and 467 Mandays worth of construction. The project was SE11-804, Senegal Ops Center renovation, and consisted of full renovations to eleven interior rooms of an existing two-story masonry structure, and a technical upgrade to the data communication capabilities. Furthermore, the Ops Center required a small watch floor for 8-12 watch standers, a three stall head, a bunkroom for 2 personnel, a small break room, four offices, and administration open office and a conference room. The 19 member DET directly supported the American Embassy, Dakar, Senegal with this construction project.

The end result was a state-of-the-art working area for U.S. and Senegalese forces to utilize during future joint exercises that take place within the area. Additionally, the Senegalese Naval community will benefit greatly from the daily use of the newly renovated and technically improved workspace in between exercises. The customer expressed on numerous occasions how they appreciated the work that was performed, and the overall rapid pace of the construction. The crew of Detachment Senegal did an outstanding job and continued the great legacy and proud heritage of NMCB 74 and the U.S. Navy Seabees.

### **Detachment Senegal Tasking Summary**

Project Title	Total Project MD	Total Project Material Cost (\$)	MD Tasked	Tasked %	Final WIP (%)	MD Expended this Deployment
SE11-804 Senegal OPS Center	322	\$115,555	322	0-100	100	436
Detailed Mission Planning	122	\$0	122			122
<b>Subtotal</b>	<b>444</b>	<b>\$115,555</b>	<b>444</b>			<b>558</b>



**Project Overview: Exterior Prior to Construction**



**Project Overview: Completed Project**

**Dakar, Senegal  
SE11-804: Senegal Ops Center**

**Project Data**

---

**Project Scope:** Renovate an operations room, conference room, 4 office rooms, PC radio room, bathroom, duty room, break room and restrooms and corridor. The space will be refurbished with utilities including electrical component capacity for lights, fans, and modern C2, and power reliability infrastructure including surge protection.

<b>Personnel:</b>	Average of 12 personnel	
<b>Duration:</b>	06 June 2011 to 28 July 2011: 38 workdays	
<b>Mandays of Expended:</b>	Previous Battalion NMCB 74:	NEW START 436
<b>Tasking:</b>	WIP at turnover: WIP at deployment completion MD Tasked to NMCB 74 Total Project MD	NEW START 100% 322 322
<b>Material Cost:</b>	\$115,555.66	
<b>Cost Savings:</b>	\$112,700.00	

**Significant Safety Issues:** An issue during demolition stemmed from observing that the existing mortar and block was crumbling and falling. Outdated and substandard electrical required the DET to bring in a Senegalese electrician to disconnect the live power with DET supervision.

**Significant QC Issues:** Quality concerns stemmed mostly from the difficulty of finding quality materials from the local vendors. The electrical service was a hybrid of American and European power that the prints did not address.

**Significant Design Issues:** The design of the structure overall was good but there were a few things on the prints that did not coincide with the actual existing facility. The Crew Leader had to put in a field adjustment request just to allow the sink to fit into the back bathroom.

**Significant Material Issues:** An add-on BM had to be produced because of the new knowledge concerning the material requirements for the project and which vendor was the best to use for material purchases.

This Page Intentionally Left Blank



Chapter VI

Supply (S4)

## **Supply (S4)**

### **CAMP FINANCIALS AND SUPPLY OFFICE LIASION**

Financial logistics were instrumental for the success of the FEARLESS Supply Department and the Battalion. The financial logistics team was directly responsible for two budgets separated in different theatres which were administered and governed at Camp Mitchell. The team expertly maintained a budget of \$837K for maintenance and supported all of the units of CESE of the Battalion. The financial logistics team was able to allot money to 11 work centers and was a cornerstone to ensuring mission readiness. Additionally, the financial logistics team also effectively managed the consumable budget of \$630K and \$254K budget for seven Detachments. Over 1,500 DD Form 1348-1s were also processed by the office.

### **POSTAL**

NMCB 74 Postal coordinated with mail authorities in the United States, the CTF-63 Postal Department, Embassies, and mail carries throughout EUCOM/AFRICOM ensured that the over 25,000 lb. of mail and over 200 parcels of insured mail valued at over \$40,000 were received, sorted, and delivered to 10 Detachment sites, as well as to Mainbody. A proactive approach was taken to ensure the best possible solution was being utilized in delivering mail to the Detachments, as their proximity to other military postal operations and husbanding agents varied from country to country.

### **DLA DISPOSITION SERVICES**

NMCB 74 Supply Department expertly tracked multiple DLA Disposition Service Turn-ins, which enhanced mission effectiveness, and saved government dollars in the re-utilization of equipment, and greatly improved the supply yard. NMCB 74 provided outstanding support for 13 work centers, 4 Detachment sites, and 21 primary and secondary RPPO's. NMCB 74 also worked hand in hand with DLA disposition services to turn in hazmat/hazwaste. NMCB 74 turned in over \$240,495.67 to DLA at Naval Station Rota.

### **AUTOMOTIVE REPAIR PARTS (ARP)**

The ARP Division expertly maintained monthly reports, receipts, stock replenishment, and weekly inventories for 9,732 line items with an total on hand dollar value of approximately \$2.4M; as they worked closely with 22NCR to begin the process of correcting the Camp Mitchell HME COSAL by removing Smart P25 Legacy TOA and ensured that we only operated out of the New Smart P25 TOA. NMCB 74 Supply processed and shipped over 1200 line items worth \$115K of excess TOA to RAM in Norfolk, VA, and increased our final validity.



## **TABLE OF ALLOWANCE (TOA)**

The \$64M P-25 TOA included 174 Tricons with total assemblies of 573 that were made available to support Seabee missions. NMCB 74 assisted 22NCR by conducting a full DFT Warehouse inventory, which made it available to Supply Department as alternate source for requirements that cannot be supported by the primary source TOA. Furthermore, an RCRP validation of the TOA was performed and consisted of 4543 line items with 1,876 line items for Section 8 for CTR, and 489 line items for Section 1 Facilities and Section 3 Collateral for Facilities.

## **CONTAINERS**

The Container Manager maintained accountability for 314 containers with 100% validity. These \$2.5M containers included 174 TOA, 60 DFT, 46 HOA, and 34 miscellaneous containers. Four DFT containers were checked out to Detachment Croatia, five to Morocco, two to Macedonia, and ten to Rota Projects. A 20-ft container was sent to HOA from Spain.

Monthly Reports were submitted to 22NCR with accountability of these 314 containers, allowing Higher to keep an accurate picture on Battalion evolutions and movements.

## **TRAVEL**

Travel was facilitated through a collaborative effort between Embark, Admin, and Supply. The Supply Department was responsible for obtaining the necessary funds to execute travel, giving final approval on all orders in DTS, as well as managing the Government Travel Card Program. Supply monitored \$500,000 worth of per diem payments as well as \$400,000 in travel funds. Through aggressive continuous monitoring, travel card delinquencies were reduced to 1.5% of the Battalion per month, well below the NCF average and under the 2% maximum mandated by the Navy.

## **BILLETING**

NMCB 74's Culinary Specialists at Camp Mitchell, Rota, Spain expertly managed berthing for all Mainbody and Detachment personnel through flawless supervision of 6 buildings, totaling 188 rooms for over 400 personnel. These rooms housed anywhere from 1 to 3 Seabee's per room. The CS's also managed one Very Important Person (VIP) room, used for distinguished visitors to the camp.

FEARLESS vigilance allowed the Battalion to de-conflict a multitude of berthing issues with the NAVSTA ROTA, Spain housing office, camp maintenance, and Public Works, ensuring the troops had the best possible living conditions at all times.

## **GALLEY SUPPORT**

Services division provided outstanding support to the NAVSTA ROTA galley, which served over 1,500 meals daily. Junior Culinary Specialists (CS) and Food Service Assistants participated in galley operations, preparing meals and serving Seabees, Marines and Army personnel daily. Battalion CS's also put in picnic requests monthly and assisted with monthly barbeques to help boost the Battalion's morale.

NMCB 74's Field Mess was responsible for feeding Detachments in Romania, Macedonia, Senegal, and Israel. The detachments were provided UGRs, MREs, gedunk, coffee, as well as fresh fruit. For Detachment sites which did not have an assigned CS, training was provided at Mainbody in sanitation, UGR cooking, and issuance and accountability.

### **MATERIAL LIAISON OFFICE (MLO)**

The FEARLESS MLO was instrumental in the Battalion meeting 100% of operational commitments throughout the deployment.

In Rota, Spain, the four-person MLO team managed 27 projects funded through NAVFAC EURAFSWA, 22 NCR, and 22NCR Forward. The MLO team worked on the procurement of 941 line items for Rota projects and managed a total of 435 line items in excess materials with a combined value at \$1.3M.

HAZMAT requirements for projects were handled by MLO representative and processed at FISC HAZMAT Center on base. Approximately 200 liters of paint were procured and processed through HAZMAT center. Other HAZMAT items not carried were procured through local vendors with authorization from the HAZMAT office.

The MLO yard, the two MLO warehouses, and the HAZMAT locker were kept organized in order to allow easy access for receiving and issuing material, and facilitate a 100% inventory. In addition, the areas were kept regularly cleaned to provide professional appearance of the MLO facilities. Access to MLO facilities were controlled by the MLO team to prevent theft and losing accountability of project materials, thus maintaining 100% accountability.

### **CENTRAL TOOL ROOM (CTR)**

The Central Tool Room (CTR) provided outstanding service and support for the Battalion's Companies and Detachment to facilitate their efforts toward completing assigned construction tasking. With the transitioning to the Smart P25 TOA kits which have ultimately replaced the older (Legacy) tool kits, the CTR team faced many new and unexpected challenges and successfully learned and adapted to the complexities of the migration.

CTR managed 158 Smart 25 kits, 83 Legacy kits, 64 pieces of motorized equipment, 275 electrical power tools, and 2,539 shelf line items/tools; the total value of all CTR assets is

estimated at \$ 2.6M. Kit inventories were completed in accordance to set schedules both weekly and monthly to enable and maintain accountability. CTR personnel conducted 100% kit inventories and maintain and replenish required tools and equipment needed to support construction projects throughout our AO, CTR ordered over \$55K for tool and equipment replenishment and purchasing repair parts for existing equipment. 3M power tool and equipment checks were also an integral part of CTR operations. Approximately 230 periodicity checks were completed, aiding in the success of the Battalion by ensuring the proper maintenance and upkeep, prolonging the overall life span of all inventoried power tools and equipment.

The CTR team coordinated with the Defense Reutilization Marketing Office (DRMO) learning and putting into effect, the required courses of action and processing to properly dispose or change custody of the unwanted items. CTR was responsible for the expedient removal of 165 items, estimated at \$ 2.2M, consisting of a variety of tools, equipment, supplies, and gear. By doing so, the team created space for essential equipment and tools.

This Page Intentionally Left Blank



Appendix I  
Lessons Learned

## **Operations (S3):**

**KEYWORD: EMPHASIZE KHAKI PRESENCE ON THE PROJECTS AND IN THE SHOPS** – Keeps safety problems down, keeps quality up, re-enforces standards and keeps everyone honest; our E5/E6s, in general, are not as vigilant. At the Mainbody and large Detachment sites, this requires consistent reinforcement from the top. Also an aggressive traffic management program pays dividends to mitigate troubling equipment handling trends and habits.

**KEYWORD: COMMUNICATION** – Successful OICs used their 4G and Engineering SITREP reports as tools to raise Mainbody awareness to their problems and their progress with respect to materials, equipment, morale, admin issues, communication, and customer relations in addition to their projects. They also used it as positive marketing tools for their Seabees to those who make critical decision with regards to their Seabees careers/lives. Need to continue this trend.

**KEYWORD: STEADY** - The Supported Commander may issue a deadline that is very aggressive which will cause you to flex to meet it and impact your Seabees, but make sure that you have got the Commander's intent, and that they know your competing requirements or limitations. Conversely, the supported commander may not be focused on something that you know will become important because of the situation and the environment, so you have to manage resources accordingly so when the focus does come you are already ahead of the game.

### **Embark:**

**KEYWORD: DTS MANAGEMENT** – Airline companies throughout Africa and Europe operate differently from US based companies. Initial reservations are generally held no more than 24 hours, after which the reservation will be cancelled. This requires immediate review and approval in DTS of orders during the same day, to ensure airline reservations are held by the companies. Additionally, SATO was located in Gulfport, MS which added the challenge of coordinating the ticket purchases over multiple time zones.

**KEYWORD: AIR MOVEMENT REQUEST (AMR)** –Efficient utilization of Embark/Supply personnel resources depend on AMR's being routed and approved in a timely manner, with minimal changes. Delays to AMR approval and changes generally resulted in excessive increases to travel costs, specifically with commercial air.

**KEYWORD: CTF-63** – Coordination with CTF-63, frequent and often communication with CTF-63 is necessary to ensure Air Lift Requirements are clearly understood and executable. Embark should also have secondary plans available to execute if CTF-63 cannot meet the initial requirements.

### **Evacuation Control Center (ECC):**

**KEYWORD: CREATIVITY** – There is no one set way to do an evacuation. Testing different tent orientations allowed throughput while increasing security and reducing the number of personnel required.

**KEYWORD: PERSONNEL RESOURCING**– The deployment is not conducive to maintaining a unique crew of 100+ personnel on standby for the ECC. Construction projects, changing Detachments, and various other tasks can draw from the ready personnel.

### **Supply (S4):**

**KEYWORD: BILLETING** – Camp Mitchell, Rota, Spain, does not have enough barracks rooms to comfortably house an entire Battalion. All Battalion personnel with the exception of DET HOA arrived at Mainbody in December and many of the barracks rooms that were originally 2 man rooms that had to be arranged and converted into 3 man rooms until the first of the EUCOM DETs left in mid-March/early April. Recommend planning for these constraints prior to deployment.

**KEYWORD: ONE-NET ACCOUNTS** – Departing Battalions should have the important online accounts already established prior to the on-coming Battalion arriving. (i.e. SALTS Activity Codes, DAPS Europe, etc.)

### **Communications (S6):**

**KEYWORD: PRE-AP** – One or two NMCB S6 ONE-NET representatives should deploy to Camp Mitchell two weeks prior to AP arriving. The S6 reps arriving early should have their NIPR and SIPR accounts created prior to arriving and immediately link up with departing NMCB S6 ONE-NET reps to receive the ONE-NET IAO training at NCTAMS Rota IA Department, which will give them the ability to create accounts for the remainder of the on-coming Battalion.

### **Training (S7):**

#### **Armory:**

**KEYWORD: WEAPONS MAINTENANCE** – Ensure required tools are in place to conduct all 3M checks. Without proper gauging equipment at Naval Station Rota Armory, these tools have to be borrowed from the adjacent Marine Corp FAST Company in order keep up with the maintenance schedule.

**KEYWORD: ADMINISTRATIVE REQUESTS FOR RANGES** – Weapons ranges need to be requested well in advance—particularly for the Sierra Del Retin Range. These requests are processed through CTF 68 and the Spanish military.

### **Alfa Company:**

**KEYWORD: BATTALION TRANSPORTATION** – Identify early any discrepancies or issues with the GSA vans and turn them in for maintenance, as they are typically a long lead time.

### **Bravo Company:**

**KEYWORD: PUBLIC WORKS RELATIONSHIP** – Establishing a positive rapport with base Public Works allowed us to utilize their material ordering capabilities to restock Camp Maintenance supplies; thus greatly enhancing Bravo Company's effectiveness.

**KEYWORD: COMMUNITY RELATIONS** – While working with other tenant commands and local organizations, our Seabees were able to work on non-traditional but skill-intensive projects (Soap-box Derby cars with the Boy Scouts, shadow boxes with Air Ops, etc) and therefore increased their skill levels and morale simultaneously.

### **Detachment African Partnership Station (APS):**

**KEYWORD: VISAS** – Ensure that when submitting applications for VISAs that they include all required documents and invitation letter from the Host Nation even if it is not necessarily on the list of required documents. The process is a considerable long lead item, and can involve trips to Paris, in order to secure the visa.

**KEYWORD: TOOLS AND EQUIPMENT SHIPMENT** – Ensure that the support element allows sufficient consideration for the shipping of tools to site. Otherwise the personnel may have to bring the tools with them as excess baggage which could develop problems with flight timelines as they move from airline to airline while in transit.

**KEYWORD: LEVERAGE SUPPORT** – Build strong relations with the NAVAF APS staff early and maintain consistent communication with them throughout planning stage as requirements change and personnel turnover happens on both your end and at adjacent units. The requirements did not solidify until very close to the start of the mission and by then most of the personnel in the key roles had rotated out.

### **Detachment Croatia:**



**KEYWORD: MATERIALS** – When ordering materials in-country it is necessary to have eyes on the materials and have the ability to review the Class IV contract proposals prior to selection and award.

**KEYWORD: CONTRACTING OFFICER REPRESENTATIVE/FIELD ORDERING OFFICER** – Identify the Contracting Officer Representative/Field Ordering Officer early and coordinate with the Contracting Officer and Financial Office for required training and specific procedures that need to be executed. Vet the required appointment documentation through both channels and ask for supporting documentation that gives the CO appointment responsibility.

**KEYWORD: COORDINATION WITH COALITION ENGINEERS** – Communication is critical between joint forces at all levels, from the OIC to the youngest Seabee. Engagement to ensure everyone is on the same page is critical for the joint forces to smartly be employed and trained.

## **Detachment HOA:**

### **Administration (S1):**

**KEYWORD: DTS/PERSONNEL ACCOUNTABILITY** – Having the troops actively involved in their DTS orders and vouchers is imperative to keeping GTC's up to date and orders closed out properly and in a timely manner. Junior personnel are not used to traveling and may not understand the importance of this and should be made aware right away. The retention of receipts is crucial in making this process run smoothly.

**KEYWORD: N1/J1 ADMIN MUTUAL SUPPORT** – Building and maintaining a positive rapport with both Camp Lemonnier and HOA Admin is essential. Somewhere along the deployment you will need their help. N1 and J1 Admin have the ability to reach out and help any sailor in the Navy, they are not bound to only Camp Lemonnier or HOA personnel.

### **Intelligence (S2):**

**KEYWORD: COMMAND GUIDANCE** – Intelligence personnel are a relatively new asset belonging to the Seabees and the standard intelligence requirements and product production is still being developed. It is vital that the OIC provides mission priorities, critical concerns, and desired products so that the assigned IS can tailor products. Additionally, officers, senior enlisted, and staff should familiarize themselves with how intelligence aids operation planning so that there is no hesitation or uncertainty as to what can or cannot be provided by this asset.

**KEYWORD: INTEL BRIEFS** – Much information is put out at Flag level briefs on the camp that is helpful to all-hands, but may not make it to that level. It was helpful to have a weekly intel

brief, prepared and delivered by the Detachment IS. Meeting was kept short, one slide per country with pertinent threat/intel streams. Audience was Detachment E-6 and above.

**Operations (S3):**

**KEYWORD: METRIC SIZING REBAR/WIRE** – Prints use metric sizing on electric wire and rebar. Crew needs to understand metric sizes or know where to look them up. Also some sizes listed are not standard European sizes and a RFI/FAR will need to be submitted to clarify the sizing.

**KEYWORD: TRANSIT MIXER OPERATORS** – While pouring concrete the TM operators (contractor) have a tendency to add water to the mix whenever they want. We found the need to post someone to stand next to the TM operator to make sure he doesn't add water.

**KEYWORD: CONSISTENCY OF BLOCK SIZE** – CMU blocks do not come in a standard US consistent size. They can vary by over an inch in any direction. This slows down block laying and causes bed joints to vary in thickness.

**KEYWORD: QC PERSONNEL & TRAVEL** – Due to the inconsistency of ability to travel, QC personnel on outlying projects should be very familiar with the QC process in case the QC rep on camp can't make it out to them often. Need strong reps in these positions.

**KEYWORD: CONCRETE AVAILABILITY** – In some of the remote areas where we operate, concrete companies are not available. In those cases we will have to mix our own concrete. Lead builders should be familiar with how to make a good mix design.

**KEYWORD: STUCCO-LOCAL METHODS** – We had initial problems with stucco application and having it go quickly and stay on the wall. We had some local contractors come onto the jobsite and show us the local practice, which was faster and resulted in a better end product. Additionally, this fostered trust and good relations with the local community. Look for opportunities like this.

**KEYWORD: FLIGHTS/CONVOYS INCONSISTENCY** – Flex Flights get turned on and off without notice, due to either weight limits not met or weight limits met at the last minute. Convoys are normally planned well, sometimes can be short notice and/or change a couple of times before it steps off. The Chain of Command and downrange sites should be aware of this and prepared to be flexible.

**KEYWORD: COMMERCIAL TRAVEL LUGGAGE** – Traveling with anything more than a carry-on is not advised in Africa; if required to, the traveler should personally ensure their bags are transferred.

**KEYWORD: LONG TURNAROUND ON MATERIALS** – It has taken four months to begin to receive simple safety items ordered. Relieving units should bring as much PPE and Leather gloves as possible.

**HOA6/OIC:**

**KEYWORD: MEDICAL/DENTAL REP** – It would have benefited me greatly to have a HM at Camp Lemonnier to keep track of readiness for the entire Detachment. Whenever I had any question related to my Seabees I had to call Mainbody or go to the EMF. Not insurmountable, but would have been better to have a HM here tracking 150 personnel, creating shadow records when necessary, and ensuring those updates got back to Mainbody.

**KEYWORD: PAO/FACEBOOK** – I don't think the importance of this position can be overstated. With 150 Seabees on the Detachment, I figured that several thousand folks back home, perhaps more, were tracking their Seabee friend/family member on Facebook. The regular update of photos that tell the story of Detachment HOA is essential to keeping families happy and ultimately, morale high on the Detachment.

**KEYWORD: SAFETY** – Must be first and last discussion of every day. Weather, experience levels, age of Seabees, deadlines, etc. are the perfect recipe for continuous safety mishaps. The importance of ORM always must be emphasized constantly.

**Water Well Team:**

**KEYWORD: DIFFERENT STANDARDS** – Local contractors in Ethiopia are not held nor operate to, the same standard that we do; both personnel and equipment wise. Conduct thorough inspections when accepting products to ensure they truly meet the letter of the contract. One example was that we received our water via contract, but after testing the delivery tanker it revealed that the tanker was not actually free of bacteria and that it required super-chlorination.

**KEYWORD: PLAN IN ADVANCE** – Not many items are readily available in country (primarily repair parts and filters). Ordering Maintenance parts in bulk for the entire deployment helps alleviate this issue.

**KEYWORD: EXPECT THE UNEXPECTED** – The customs process changes on every visit to the airport or border. Establish an early relationship with the airport and border customs directors to ensure that you are familiar with their customs requirements. Proper declarations of inbound material will be critical when it comes time to leave country.

**KEYWORD: SECURITY POSTURE** – The force protection team attached to the Seabees are activated National Guard. Ensure the force protection team on deck has a good working

relationship with the local police. The local police were very helpful and thorough with any issues we have brought to their attention.

**KEYWORD: CAMP CLEANLINESS** – Ensure that the camp is kept clean and that there are no potential areas for standing water to collect. Also ensure you have fly traps established throughout the camp and that all trash receptacles are properly covered; local hyenas are attracted to any food or garbage.

**KEYWORD: DRUG SCREENING** – Even though marijuana is considered illegal in Ethiopia; it is still readily available through the “Rastafarian” culture. That is also a huge cash crop for the region and is an accepted part of the culture. It grows in nearly every village and near every well site. Monthly drug testing will ensure that our troops are trailing a proper moral beacon, and will also help to ensure the Detachment is operating safely and maintaining operational readiness.

**KEYWORD: PATIENCE** – In the African culture some people move at a much slower pace than we’re do, and without our sense of urgency. Plan for tasks to require additional time when the local populous is involved.

### **Detachment Macedonia:**

**KEYWORD: DIFFERENT CONSTRUCTION STANDARDS** – Some third world countries do not offer true Pre-Engineered Buildings (PEBs). In Macedonia only the structural steel framing was designed and fabricated which created the additional and unplanned task of procuring and installing all material required for the structure’s envelope.

**KEYWORD: HYGIENE** –Living in a field environment in close quarters can quickly spread communicable diseases. To avoid significant impact to operational capability, it is important to continually stress the importance of good hygiene to the troops.

### **Detachment One:**

**KEYWORD: OPERATIONS** – Detachment One operations are very fast paced. We received new projects on a daily basis, so planning and estimating quickly for price quotes and approval, ordering quickly, then completing the project as soon as safely possible is the standard. Projects may vary from a basic set of stairs or a concrete pad to a SWA hut, PEB or complete rewire of a structure.

**KEYWORD: RATE AND CROSS-RATE KNOWLEDGE** – Detachment One Seabees must be masters at their own rate, especially in expeditionary construction. They must also have cross-rate knowledge and experience. Being able to adapt your design and project to materials available is a product of the environment. There is no quality Class IV vendor in town, but some materials

are available. Material procurement via reach-back request is also available. Furthermore, from time to time to the Detachment will oversee contractor construction as a QA/QC role. Detachment One is considered to be SMEs at the customer's disposal.

**KEYWORD: GENERAL MLO/SUPPLY/CTR** – Tools are not a problem at all. There are over \$300K in Kipper Kits, power tools, welders, etc. Although, most tools are 110V, so be sure to verify the voltage at all job sites and bring a power converter or a generator if needed.

**KEYWORD: SAFETY LPO TIPS** – Make sure to have a lot of personal protective equipment for multiple jobs. Upon arrival there was no safety gear on hand, so all safety gear had to be ordered.

**KEYWORD: LEAD CONSTRUCTION ELECTRICIAN TIPS** – Must have skill set in interior wiring, P&E, QC/QA, and generator/camp tent layout. Need to have common knowledge of European electrical. 75% of all electrical on camp and in the compound is European. A lot of what exists is at least 5-10 yrs old with no labeling or identification marks. Know how to trace and mark all circuits.

## **Detachment Romania:**

**KEYWORD: VEHICLES** – When deployed to Romania, request enough vehicles to transport your Seabees back and forth to the job site plus an additional vehicle for administrative runs.

**KEYWORD: TRANSLATOR** – Having a translator will make daily operations a lot easier when dealing with the locals and contractors. If possible a bus to transport the crew with a bilingual driver would be optimal.

**KEYWORD: FIELD ORDERING OFFICER/PAY AGENT (FOO/PA) TRAINING**– Complete FOO/PA training prior to the embarkation of the Detachment. This will help prevent project delays and ensure that no one will be required to purchase any official items out of pocket.

**KEYWORD: COMMAND DETACHMENT SWINGS** – Take into account the driving time it will take to arrive at the project site and allow a full day or two for the VIPs to spend at the project site. It is a 2 1/2 hour drive from Bucharest to Constanta. Time spent on the road shortened the time spent on the tour of the jobsite.

## **Detachment Sigonella:**

**KEYWORD: LEVERAGING SUPPORT** – PWD Sigonella is the largest PWD in the region and NASSIG had a permanent Seabee Detachment in the past. Establishing good relationships with them early allowed the leveraging of their abilities and assets at a rapid pace.

**KEYWORD: ONE-NET** – Sigonella and Rota are on the same ONE-NET servers which provided a smooth and rapid transition allowing us to hit the ground running on day one. Access to the Rota share drive was critical.

## **Detachment Senegal:**

**KEYWORD: PDSS GOALS** – Due to the vagueness of the original scope of work and the project specs not being finalized at that time, the first two PDSS's goals turned out to be a meet and greet, a quick review of the berthing plan and a project site walk through for general purposes. For the future, the second PDSS should occur when the drawing and project plans have been more fully completed to aid with the rest of the planning process.

**KEYWORD: PLANNING FOR MATERIAL STANDARD CONVERSION** – During project planning and the creation of the BM, US and European electrical and material standards are helpful but are not close matches to Senegalese construction standards. Nearly all pre-existing structures in-country are concrete inside and out. As a result, flexible planning and consideration in-country will be required.

**KEYWORD: IN-COUNTRY MATERIAL PROCUREMENT** – The project materials were procured in four days with the Contracting Officer and PA from HOA, while working through a language barrier without an interpreter. A more effective way to carry out this process would be to plan for two weeks of purchasing with the help from a translator. This would allow the members the necessary time to identify and compare vendors' prices and materials, receive the ordered materials, and sort out the unexpected delivery discrepancies by unpacking all items.

**KEYWORD: COMPUTER NETWORKING SKILLS** – Having an IT or computer SME with the ability and knowledge to set up a network system on any Detachment that has network establishment requirements. From planning and ordering specific IT materials, to the basics of setting up a network, such honed knowledge would have added more value to the construction effort. CE's do not have the formal training for such tasks.



Appendix II  
Deployment Journal

# NMCB 74 Deployment Journal

---

## Notable Events logged:

### December 2010

- 07DEC10 ..... Detachment HOA arrives in HOA
- 08DEC10 ..... Detachment HOA starts turnover with NMCB 7
- 09DEC10 ..... NMCB 74 AP arrives in Rota
- 10DEC10 ..... NMCB 74 starts turnover with NMCB 7
- 10DEC10 ..... Alfa Company starts Battalion Equipment Evaluation Program (BEEP) with NMCB 7
- 12DEC10 ..... Alfa Company completes BEEP with NMCB 7
- 12DEC10 ..... NMCB 74 completes turnover with NMCB 7
- 13DEC10 ..... Turnover Ceremony on Camp Mitchell and attended by CTF 68 Commodore
- 14DEC10 ..... NMCB 74 DP arrives in Rota
- 15DEC10 ..... Detachment HOA turns over Ecole 5 Schoolhouse with NMCB 7
- 15DEC10 ..... Detachment HOA turns over Kontali Schoolhouse with NMCB 7
- 15DEC10 ..... Detachment HOA turns over Gende Gerada Schoolhouse with NMCB 7
- 15DEC10 ..... Detachment HOA turns over Water Well Schoolhouse with NMCB 7
- 15DEC10 ..... Detachment HOA completes turnover with NMCB 7
- 15DEC10 ..... Turnover ceremony on Camp Lemmonier Djibouti
- 30DEC10 ..... Detachment West Africa starts Fuel Truck Access Road at 3307

### January 2011

- 09JAN11 ..... Detachment Morocco PDSS departs Rota
- 15JAN11 ..... Detachment Morocco PDSS returns to Rota
- 18JAN11 ..... Detachment Croatia starts Concrete pad and Sidewalk at Building 463



**20JAN11** ..... Bravo Company starts Camp Mitchell Bus Stop  
**24JAN11** ..... Detachment Water Well starts drilling Jedane Well  
**24JAN11** ..... Bravo Company starts Interior Renovation of Seabee Gym  
**26JAN11** ..... APS FIE Mission departs Rota for Togo  
**28DEC11** ..... Bravo Company starts Dog Kennel Fencing Addition  
**31JAN11** ..... 22 units of CESE depart for HOA refresh


## **February 2011**

**02FEB11** ..... Detachment Senegal PDSS departs Rota  
**02FEB11** ..... AIRDETACHMENT begins mustering  
**02FEB11** ..... Detachment One AP departs Rota  
**04FEB11** ..... ECC Exercise 4  
**06FEB11** ..... Detachment Senegal PDSS returns to Rota  
**06FEB11** ..... Detachment Ukraine mid-planning conference  
**07FEB11** ..... ATO training  
**08FEB11** ..... Detachment Romania begins construction of NEX Garden Shop Sidewalk Phase I  
**09FEB11** ..... CJTF HOA J4 planning conference  
**09FEB11** ..... 22 units of CESE arrived in HOA for refresh  
**11FEB11** ..... Concrete placement for Concrete pad and Sidewalk at Building 463  
**24JAN11** ..... Detachment Water Well completes Jedane Well  
**15FEB11** ..... ECC Range begins  
**16FEB11** ..... Detachment HOA starts Kontali School Project  
**16FEB11** ..... Bravo Company completes Dog Kennel Fencing Addition  
**16JAN11** ..... Detachment Croatia completes Concrete pad and Sidewalk at Building 463  
**18FEB11** ..... APS FIE mission returns from Togo to Rota  
**16FEB11** ..... AIRDETACHMENT muster/training/TOA inventory

16FEB11 ..... Detachment One deploys to HOA  
 20FEB11 ..... ECC Range completes  
 23FEB11 ..... NAVSTA Rota ATP Exercise  
 23FEB11 ..... Detachment Romania PDSS departs Rota  
 24FEB11 ..... Alfa Company starts Pave Driveway Pier 3  
 26FEB11 ..... Detachment Romania PDSS returns to Rota  
 28FEB11 ..... Alfa Company starts Airfield Dirt Removal

### **March 2011**

01MAR11 ..... Detachment Morocco Final Planning Conference  
 01MAR11 ..... Detachment Macedonia starts Armory Tiling Project  
 03MAR11 ..... CO/CMDCM depart Rota on Detachment swing to HOA  
 04MAR11 ..... Concrete placements for NEX Garden Shop Sidewalk  
 04MAR11 ..... ALL HANDS ATO Individual Protective Measures training  
 07MAR11 ..... Detachment Macedonia Final Planning Conference  
 07MAR11 ..... Detachment Croatia AP departs Rota  
 10MAR11 ..... 22NCR 00 arrives in Rota  
 11MAR11 ..... Detachment West Africa starts MWR Outdoor Pool Slide Installation  
 11MAR11 ..... Detachment West Africa completes Fuel Truck Access Road at 3307  
 12MAR11 ..... ALL HANDS PGI inspections  
 13MAR11 ..... 22NCR 00 departs in Rota  
 13MAR11 ..... Detachment Croatia DP departs Rota  
 13MAR11 ..... Detachment Israel PDSS departs Rota  
 13MAR11 ..... S3/S3C depart Rota for planning meeting with SOCEUR in Stuttgart, Germany  
 14MAR11 ..... Detachment Croatia starts Croatian MOUT Open Air Market  
 14MAR11 ..... Detachment Croatia starts Croatian MOUT Gas Station

**17MAR11** ..... Detachment Israel PDSS returns to Rota  
**13MAR11** ..... S3/S3C return to Rota from planning meeting with SOCEUR in Stuttgart, Germany  
**15MAR11** ..... CO/CMDCM return to Rota from Detachment swing to HOA  
**17MAR11** ..... Detachment Macedonia completes Armory Tiling Project  
**18MAR11** ..... 1NCR Deputies Arrives in Rota  
**18MAR11** ..... SEABEE Ball  
**19MAR11** ..... 1NCR Deputy departs Rota  
**21MAR11** ..... Bravo Company starts Pedestrian Walkway and Lighting Phase II  
**21MAR11** ..... Detachment Macedonia begins Demolition of Fence at Youth Sports Field  
**22MAR11** ..... Alfa Company starts Demo Fencing at Youth Sports Field #2  
**22MAR11** ..... Detachment Croatia starts Croatian MOUT Community Center  
**23MAR11** ..... Detachment West Africa starts Bldg 345A Renovate Operations Office Phase I  
**24MAR11** ..... **Overhead concrete placements** for Camp Mitchell Bus Stop  
**25MAR11** .....  ..... Rota IDOL  
**25MAR11** ..... ECC Exercises 5  
**26MAY11** ..... Detachment Romania starts New Sidewalk Behind B3300  
**28MAR11** ..... Detachment West Africa completes construction of Fuel Truck Access Road at 3307  
**28MAR11** ..... Detachment Romania completes construction of NEX Garden Shop Sidewalk Phase I  
**28MAR11** ..... Alfa Company completes Demo Fencing at Youth Sports Field #2  
**29MAR11** ..... Galley bus stop CMU core fill  
**30MAR11** ..... Detachment Romania starts Replace Wooden Fence at Air Terminal  
**31MAR11** ..... Alfa Company begins paving operations at Pave Driveway at Pier 3  
**31MAR11** ..... Galley Bus Stop CMU core fill

**April 2011**

**01APR11** ..... Alfa Company completes paving operations at Pave Driveway at Pier 3

**01APR11** ..... Detachment Croatia concrete placement  
**03APR11** .....APS FIE mission departs Rota for Nigeria  
**04APR11** ..... Detachment West Africa starts Bldg 45 Fuel Truck Access Road  
**04APR11** ..... Detachment Water Well starts drilling Garmam well #1  
**04APR11**..... Alfa Company completes Pave Driveway Pier 3  
**04APR11** ..... Detachment West Africa starts Concrete Improvements Bldg 1601 PHASE I  
**05APR11** ..... S3/S3C depart Rota on Detachment swing to Croatia  
**06APR11** ..... Alfa Company starts Resurface Perimeter Road Phase I  
**06APR11**..... Detachment Croatia completes Croatian MOUT Open Air Market  
**08APR11** ..... S3/S3C return to Rota from Detachment swing to Croatia  
**09APR11** ..... Detachment Croatia starts Croatian MOUT Mosque Building  
**11APR11** ..... A4/Safety/Chaps depart Rota on Detachment swing to HOA  
**11APR11** .....HOA OIC turnovers begins  
**12APR11** ..... Galley Bus Stop bond beam placement  
**12APR11** ..... Concrete footer placement for Pedestrian Walkway and Lighting Phase II  
**12APR11** .....Alfa Company support to PW Rota  
**12APR11** ..... Detachment Croatia completes Croatian MOUT Gas Station  
**13APR11** ..... Detachment Romania turns over New Sidewalk behind B3300 to Bravo Company  
**13APR11** Detachment Romania turns over Replace Wooden Fence at Air Terminal to Detachment West Africa  
**14APR11** ..... Detachment Romania departs Rota  
**16APR11**..... A4/Safety/Chaps return to Rota from Detachment swing to HOA  
**18APR11** ..... APS FIE mission returns from Nigeria to Rota  
**18APR11** ..... Detachment Macedonia departs Rota  
**18APR11** .....CO/CMDCM depart Rota on Detachment swing to HOA and Croatia  
**18APR11** ..... Detachment Croatia starts Croatian MOUT Residential Building 1

**18APR11** ..... Detachment Croatia starts Croatian MOUT Residential Building 2  
**18APR11** ..... Detachment Croatia starts Croatian MOUT Residential Building 3  
**19APR11** ..... Alfa company provides support to NMC Detachment Rota  
**19APR11**..... Detachment Croatia completes Croatian MOUT Residential Building 1  
**19APR11**..... Detachment Croatia completes Croatian MOUT Residential Building 2  
**19APR11** ..... Detachment Croatia completes Croatian MOUT Residential Building 3  
**20APR11** .. Detachment Romania starts Renovation of Special Operations Training Group (SOTG) Facility  
**20APR11** ..... Concrete placement for Pedestrian Walkway and Lighting Phase II  
**20APR11** ..... HOA OIC turnover complete  
**24APR11** ..... Explosive safety inspection  
**24APR11** ..... Alfa begins providing support for MEU wash down operations  
**24APR11** ..... Alfa completes providing support for MEU wash down operations  
**04APR11** ..... Detachment Water Well completes Garmam well #1 – dry well  
**25APR11** ..... Israel PDSS depart Rota  
**27APR11** ..... Detachment Croatia starts Slunj Primary School Restroom Renovation  
**28APR11** ..... CO/CMDCM return to Rota from Detachment swing to HOA and Croatia  
**29APR11** ..... Israel PDSS returns to Rota  
**26APR11** ..... Concrete placement for New Sidewalk behind B3300  
**26APR11** ..... Alfa company provides support to NMC Detachment Rota  
**28APR11** ..... Detachment West Africa completes Bldg 45 Fuel Truck Access Road  
**30APR11** ..... Over the hump party

**May 2011**

**02MAY11** ..... Detachment Macedonia starts Primary School Renovation Project  
**03MAY11** ..... Detachment Senegal completes Building 45 Fuel Truck Access Road  
**03MAY11** ..... Detachment West Africa completes Bldg 345A Renovate Operations Office Phase I

**03MAY11** ..... Bravo Company completes Camp Mitchell Bus Stop  
**04MAY11** Detachment West Africa turns over Concrete Improvements Bldg 1601 PHASE I to Bravo Company  
**05MAY11**..... S3/S3C/S3QC depart Rota on Detachment swing to Romania and Macedonia  
**05MAY11** ..... Detachment Morocco departs Rota via HSV SWIFT  
**05MAY11** ..... Detachment Croatia completes Croatian MOUT Community Center  
**07MAY11** ..... Detachment Morocco starts River Crossing  
**07MAY11** ..... Detachment Morocco starts K-Span  
**09MAY11** ..... S3/S3C/S3QC return to Rota from Detachment swing to Romania and Macedonia  
**09MAY11** ..... Detachment Water Well starts Garmam well #2  
**11MAY11** ..... Detachment Senegal AP departs Rota for HOA to conduct PA/FOO training  
**14MAY11** ..... Explosive Safety Board Survey Meeting  
**15MAY11** ..... CO/CMDCM depart Rota on Detachment swing to Romania and Macedonia  
**15MAY11** ..... Detachment HOA maintenance mission to Uganda  
**15MAY11** ..... Negele, Ethiopia PDSS departs Djibouti  
**19MAY11** ..... CO/CMDCM return to Rota from Detachment swing to Romania and Macedonia  
**21MAY11** ..... Negele, Ethiopia PDSS Returns to Djibouti  
**16MAY11** ..... S3/S3C depart Rota on Detachment swing to Morocco  
**16MAY11** ..... PFA begins  
**17MAY11** ..... Detachment Morocco completes River Crossing  
**18MAY11** ..... S3/S3C return to Rota from Detachment swing to Morocco  
**18MAY11** ..... Alfa Company completes construction of Airfield Dirt Removal  
**18MAY11** ..... S7 returns to Gulfport for turnover  
**19MAY11** ..... 22NCR CDRE arrives in Rota  
**19MAY11** ..... Detachment Croatia completes Croatian MOUT Mosque Building  
**20MAY11** .....Concrete placements for Concrete Improvements at Building 1601

**20MAY11** ..... Concrete placements for MWR Outdoor Pool Slide Installation  
**20MAY11** ..... Detachment Sigonella departs Rota via HSV SWIFT  
**20MAY11** ..... NMCB 5 Rota PDSS arrives  
**21MAY11** ..... 22NCR CDRE departs Rota  
**22MAY11** ..... Detachment Senegal AP departs HOA for Senegal  
**24MAY11** ..... CNO All Hand Call  
**24MAY11** ..... Detachment Croatia completes Slunj Primary School Restroom Renovation  
**25MAY11** ..... NMCB 5 Rota PDSS departs  
**25MAY11** ..... Detachment Croatia AP returns to Rota  
**25MAY11** ..... Detachment Romania sends 2 PAX to Germany for PA/FOO training  
**25MAY11** ..... Detachment Morocco completes K-Span  
**25MAY11** ..... PFA ends  
**26MAY11** ..... Bravo Company completes New Sidewalk behind B3300  
**26MAY11** ..... Turnover message  
**27MAY11** ..... Detachment Senegal completes MWR Outdoor Pool Slide Installation  
**27MAY11** ..... Detachment Romania 2 PAX return from Germany PA/FOO training

### **June 2011**

**01JUN11** ..... Prospective S3 arrives in Rota  
**01JUN11** ..... Detachment Sigonella begins Tent Camp Site Prep  
**02JUN11** ..... Bravo Company starts Concrete Improvements Bldg 1601 PHASE I  
**03JUN11** ..... S7 turnover complete  
**03MAY11**..... Detachment Senegal completes construction of MWR Outdoor Pool Slide Installation  
**04JUN11** ..... XO/S7A/S7C/S3C depart Rota for Homeport Training Conference in Gulfport  
**04JUN11** ..... Detachment Morocco returns to Rota via HSV SWIFT  
**04JUN11** ..... Detachment Croatia DP returns to Rota

**05JUN11** ..... Supply ORI begins  
**06JUN11** ..... S3 turnover complete  
**06JUN11** ..... Homeport Training Conference begins  
**06JUN11** ..... Detachment Senegal departs Rota  
**06JUN11** ..... S3/S3QC depart Rota on Detachment swing to HOA  
**06JUN11** ..... Chaps/Safety depart Rota on Detachment swing to Macedonia and Romania  
**06JUN11** ..... Detachment Macedonia starts Fire Safety Vehicle Garage  
**06JUN11** ..... Bravo Company completes Galley Bus Stop  
**07JUN11** ..... Detachment Senegal starts Ops Center Rehab  
**09JUN11** ..... Supply ORI ends  
**10JUN11** ..... S3/S3QC return to Rota from Detachment swing to HOA  
**10JUN11** ..... Homeport Training Conference ends  
**10JUN11** ..... Bravo Company completes Interior Renovation of Seabee Gym  
**11JUN11** ..... APS Detachment Cameroon departs Rota  
**11JUN11** ..... Chaps/Safety return to Rota from Detachment swing to Macedonia and Romania  
**12JUN11** ..... Detachment HOA starts Tanzania PDSS and retrograde  
**12JUN11** ..... NMCB 5 arrives in HOA for PDSS  
**13JUN11** ..... APS Detachment Cameroon starts Military Hospital Walkway  
**14JUN11** ..... S3C returns to Rota from Homeport Training Conference  
**15JUN11** ..... S7A/S7C return to Rota from Homeport Training Conference  
**15JUN11** ..... Detachment Sigonella completes Tent Camp Site Prep  
**17JUN11** ..... XO returns to Rota from Homeport Training Conference  
**17JUN11** ..... APS Detachment Cameroon completes Military Hospital Walkway  
**17JUN11** ..... APS Detachment Cameroon returns Rota  
**17JUN11** ..... Concrete placement for Concrete Improvements at Bldg 1601



**17JUN11** ..... Concrete placement for Wooden Fence at Air Terminal  
**18JUN11** ..... LCDR Tobias departs Rota for PCS  
**19JUN11** ..... NMCB 5 completes HOA PDSS and departs  
**22JUN11** ..... CO/CMDCM depart Rota on Detachment swing to Sigonella  
**22JUN11** ..... SWC Alcantara departs Rota for Detachment HOA  
**22JUN11** ..... A4/Chaplin depart Rota on Detachment swing to HOA  
**22JUN11** ..... CO/CMDCM depart Rota on Detachment swing to Sigonella  
**23JUN11** ..... CO/CMDCM return to Rota from Detachment swing to Sigonella  
**24JUN11** ..... Bravo Company completes Concrete Improvements Bldg 1601 PHASE I  
**24JUN11** ..... Detachment West Africa completes Wooden Fence at Air Terminal  
**25JUN11** ..... Bravo Company starts Concrete Improvements Bldg 1601 Phase II  
**25JUN11** ..... S3 departs Rota for POTSC at CECOS  
**27JUN11** ..... CO/CMDCM depart Rota for Detachment swing to Senegal  
**27JUN11** ..... Detachment Sigonella starts Ten Camp Substation Pad  
**27JUN11** ..... Bravo Company starts Rota Gate Bus Stop  
**28JUN11** ..... Concrete placement for Walkway and Lighting Phase II  
**28JUN11** ..... Detachment Water Well completes Garmam well #2  
**29JUN11** ..... Concrete placement for Walkway and Lighting Phase II  
**29JUN11** ..... CO/CMDCM return to Rota from Detachment swing to Senegal  
**29JUN11** . Junior Enlisted Leadership Organization (JELO) starts repairs/repainting of Camp Mitchell BEE  
**30JUN11** ..... A4/Chaplin return to Rota from Detachment swing to HOA  
**30JUN11** ..... Alfa Company improved beach for LCAC landing

### **July 2011**

**01JUL11** ..... Alfa Company assists in LCAC off load of Abrams Tank  
**01JUL11** ..... Independence Day BBQ

**01JUL11** ..... Detachment Water Well starts Billa well  
**05JUL11** ..... CO/CMDCM depart Rota for Detachment swing to HOA/Romania/Macedonia  
**05JUL11** ..... Detachment Sigonella completes Ten Camp Substation Pad  
**05JUL11** ..... Detachment HOA completes Tanzania PDSS and retrograde  
**06JUL11** ..... Rota M16 Range  
**05JUL11** ..... CO/CMDCM arrive in Kenya  
**08JUL11** ..... ECC Exercise 6 starts  
**08JUL11** ..... CO/CMDCM arrive in Djibouti  
**08JUL11** ..... S3/S7 return to Rota from POTSC at CECOS  
**08JUL11** ..... Concrete placement for Walkway and Lighting Phase II  
**09JUL11** ..... ECC Exercise 6 completes  
**09JUL11** ..... Prospective XO arrives in Rota  
**09JUL11** ..... VADM Harris visits Detachment HOA  
**10JUL11** ..... CO/CMDCM/HOA OIC arrive in Ethiopia  
**11JUL11** ..... HOA OIC returns to Djibouti  
**11JUL11** ..... CO/CMDCM depart HOA for Romania  
**14JUL11** ..... CO/CMDCM depart Romania for Macedonia  
**16JUL11** ..... CO/CMDCM return to Rota from Detachment swing to HOA/Romania/Macedonia  
**17JUL11** ..... LCDR Lyons departs Rota for PCS  
**17JUL11** ..... 1NCD 3M inspection begins  
**18JUL11** ..... XO turnover complete  
**20JUL11** ..... Detachment Romania completes SOTG Facility  
**20JUL11** ..... Prospective S4 arrives in Rota  
**21JUL11** ..... Detachment Water Well completes Billa well  
**23JUL11** ..... Detachment Macedonia completes Fire Safety Vehicle Garage

**24JUL11** ..... 1NCD 3M inspection complete  
**26JUL11** ..... Detachment Macedonia completes Primary School Renovation Project  
**27JUL11** ..... S4 turnover complete  
**27JUL11** ..... Detachment Romania returns to Rota  
**27JUL11** ..... Detachment Macedonia returns to Rota  
**29JUL11** ..... Detachment Senegal completes Ops Center Rehab  
**30JUL11** ..... NMCB 5 Detachment HOA AP arrives in Djibouti

### **August 2011**

**01AUG11** ..... NMCB 5 Detachment HOA DP arrives in Djibouti  
**02AUG11** ..... JELO completes repairs/repainting of Camp Mitchell Seabee Statue  
**02AUG11** ..... Paving operations for Pave Perimeter Road Phase I  
**03AUG11** ..... Detachment Senegal returns to Rota  
**06AUG11** ..... NMCB 5 AP arrives in Rota  
**06AUG11** ..... NMCB 74 AP departs Rota  
**08AUG11** ..... NMCB 74 starts turnover with NMCB 5  
**08AUG11** ..... Alfa Company starts BEEP with NMCB 5  
**09AUG11** ..... Detachment HOA starts turnover  
**11AUG11** ..... Bravo Company turns over Pedestrian Walkway and Lighting Phase II to NMCB 5  
**11AUG11** ..... Bravo Company turns over Concrete Improvements Bldg 1601 PHASE II to NMCB 5  
**11AUG11** ..... Bravo Company turns over Rota Gate Bus Stop to NMCB 5  
**12AUG11** ..... Alfa Company turns over Resurface Perimeter Road Phase I to NMCB 5  
**13AUG11** ..... Alfa Company completes BEEP with NMCB 5  
**13AUG11** ..... NMCB 74 completes turnover with NMCB 5  
**15AUG11** ..... Detachment HOA completes Kontali School Project  
**15AUG11** ..... Detachment HOA turns over Gende Gerada Schoolhouse to NMCB 5

**15AUG11** ..... Detachment HOA completes turnover  
**15AUG11** ..... Detachment HOA turnover ceremony on Camp Lemmonier  
**15AUG11** ..... Turnover Ceremony on Camp Mitchell and attended by CTF 68 Commodore  
**16AUG11** ..... NMCB 5 DP arrives in Rota  
**16AUG11** ..... NMCB 74 DP departs Rota  
**19AUG11** ..... Detachment HOA departs Djibouti