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# DEPLOYMENT COMPLETION REPORT



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**2005**

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**NMCB 74**

NAVAL MOBILE CONSTRUCTION BATTALION SEVENTY-FOUR

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# **CHAPTER I**

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## **EXECUTIVE SUMMARY**

Naval Mobile Construction Battalion (NMCB) SEVENTY-FOUR deployed to Camp Shields, Okinawa, Japan on 6 June 2005 and returned to homeport on 15 December 2005. The battalion initially deployed to nine locations in the Pacific theater and CONUS. In August 2005, the battalion was tasked with deploying to two additional sites. The first tasking was the deployment of an additional detail to Camp Pendleton, CA. The second was a Deployment for Training (DFT) to the Seychelles Islands, Africa. In October 2005, the Battalion was ordered to deploy a Heavy Air Detachment in support of Operation Lifeline; earthquake relief efforts in Pakistan. By the end of deployment, the battalion had personnel assigned to a total of 13 different sites stretching from the west coast of the United States to Africa.

The command participated in three exercises during deployment. They included CARAT, UFL, and the planning phases associated with Hwang So. A total of eight personnel were provided for Individual Augment assignments throughout the EUCOM and CENTCOM AORs. They included one E7 in Bosnia, three E6s and an E5 in Iraq, and an E7, E6, and E5 in Afghanistan. The Battalion provided an E5, E4, and an E3 for quarterdeck support at NAVFAC Pacific. Lastly, an SK3 was assigned to 30NCR to support Supply operations.

Three months into the deployment, the Battalion was directly impacted by the affects of Hurricane Katrina. Numerous Battalion personnel experienced moderate to severe levels of property damage and loss. In response to this situation, the Battalion immediately re-deployed a small team of senior personnel (1 x LT, 1 x CUCM, 1 x YNC, 1 x BU1, 1 x CM1) back to Gulfport to assist command family members with disaster relief assistance. Invaluable services were provided in the form of property damage assessments, benefits and entitlements coordination and disbursement. The presence of this team greatly facilitated the command's ability to rapidly account for all personnel including service members and dependents alike.

Throughout the deployment, the men and women of NMCB SEVENTY-FOUR provided high quality, cost effective, and at times strategic construction and contingency support to both U.S. Pacific and Central Commands. The Seabees of this command demonstrated unparalleled levels of professionalism and interoperability.

### **ADMINISTRATIVE**

The battalion's Administrative Department did an outstanding job of providing top-notch customer service and support throughout the deployment. They successfully processed 70 transfers and separations, 57 receipts, and 72 reenlistments. In addition, they administered 268 Navy-wide advancement examinations at 13 different locations and prepared over 286 awards. A total of 69 Seabees from this command were advanced during the deployment.

### **TRAINING/READINESS**

The battalion performed physical, tactical, and general military training during deployment. Military training was centered on the practical application of Seabee Combat Warfare (SCW) Skills program. The battalion creatively combined the application of this program with three

significant training exercises. These evolutions included Jungle Warfare Training, a Field Exercise, and a joint RRR exercise with the Air Force. Heavy emphasis was placed on developing and applying basic combat skills including land navigation, communications, CBR, first aid, convoys, weapons, patrols, tactics, and small unit leadership. All training was developed and supported internally.

## **COMMUNICATIONS**

The Communications and Information Systems Department contributed to a highly successful deployment by ensuring communications readiness and providing direct communications support to different locations throughout the AOR. The department operated a LAN network at Camp Shields consisting of 3 servers, 2 routers, and 134 workstations, resulting in efficient computer support with 100% network availability. The department also managed and maintained the forward deployed Communications and CCI gear suites valued at approximately \$4M.

## **OPERATIONS**

The Battalion's Operations Department developed and executed the work plan for the battalion over the course of this diversified deployment. The battalion deployed Details to Atsugi, Fuji, Iwakuni, Sasebo, and Yokosuka on the main land of Japan. Two details were deployed to Korea at Chinhae and Pohang. Additionally, the battalion provided details to Diego Garcia, San Clemente Island, and Camp Pendleton. Lastly the battalion deployed personnel to the Seychelles Islands and Pakistan. The main body in Okinawa executed 13,500 mandays of construction and camp maintenance, Detail Atsugi executed 2,070 mandays of construction, Detail Camp Pendleton executed 1,361 mandays of construction, Detail Chinhae executed 1,049 mandays of construction, Detail Diego Garcia executed 2,288 mandays of construction, Detail Fuji executed 505 mandays of construction, Detail Iwakuni executed 1,081 mandays of construction. Detail Pohang executed 1,119 mandays of construction, Detail San Clemente executed 4,179 mandays of construction, Detail Sasebo executed 2,927 mandays of construction, and Detail Yokosuka executed 484 mandays of construction, respectively. DFT Seychelles and DFT Pakistan are accounted for under mainbody. Each DFT executed 633 and 3,344 mandays of construction respectively.

## **SUPPLY/EQUIPMENT**

The Supply Department made great strides in improving supply processes, assessing and improving Table of Allowance (TOA) readiness, and supporting numerous Detail and DFT requirements. They processed over 203 Non-operational Ready Supply (NORS) and 1,299 Anticipated Non-operational Ready Supply (ANORS) requisitions valued at over \$285,000. CESE availability was improved from 90% to 91% and the number of deadline pieces of equipment was reduced from 19 to 15. Additionally, 45 pieces of older CESE were disposed of through DRMO. The department successfully accomplished a 5-Star accreditation for the galley.

# **CHAPTER II**

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## ADMINISTRATION

The Administrative Office prepared two MSMs, four NCMs, 45 NAMs, 44 FLOCs, and 27 SCW Certificates. In addition to processing 199 official passport applications, 57 receipts, 57 PCS transfers, 23 LIMDU/Separations, 1,275 TAD orders, 92 reenlistments/extensions, 520 evaluations/FITREPS, 35 Good Conduct awards, and 76 advancements. The Personnel Department prepared 286 exams for candidates that participated in Cycle 188 Navy Wide Advancement Examination and processed over 6,800 pay-personnel transactions. The Battalion's highly successful advancement program produced 33 new E4s, 25 E5s, 11 E6s, and 5 E7s. The Professional Development Board conducted over 84 career development boards, providing numerous battalion personnel with valuable guidance.

The Battalion exceeded Navy retention goals for 1<sup>st</sup> Term, 2<sup>nd</sup> Term and Career reenlistments. As a result, the Battalion received the Retention Excellence Award for FY05. Additionally, the Battalion qualified for the Retention Honor Roll for both the 4<sup>th</sup> Quarter of FY05 and the 1<sup>st</sup> Quarter of FY06.

### ADMINISTRATION TRACKER

Category	Number
Advancements	69
Emergency Leave	101
Humanitarian Reassignments	2
MEDEVACS	1
Gains/Losses (transfer/separation/new receipt)	127
Losses (Casualty)	1
CO's Mast	17
Court Martials	2
Awards (except SCWS)	95
Reenlistments	72

### ADVANCEMENT RESULTS

	E1-E3	E4	E5	E6	E7-E9	Total
Time in Rate Eligible	211	71	150	55	54, 15, 5	555
Participated	N/A	71	149	48	54, 15, 5	342
Selected	211	33	25	11	5, 0, 2	286
% Selected	100	46	17	23	9, 0, 40	84

### RETENTION

	Eligible	Not Eligible	Reenlisted	Retention Rate		Navy Goals
1st Term	40	5	36	90%	1st Term Goal	53%
2nd Term	7	0	6	85%	2nd Term Goals	69%
Career	7	0	7	100%	Career Goal	85%

## **MEDICAL**

During the 2005 Okinawa deployment, NMCB SEVENTY-FOUR Medical Department provided quality medical care at Camp Shields and in all other Detail locations throughout the Pacific Theater, Pakistan, and Seychelles, Africa. Throughout the deployment the Medical Department maintained a constant high state of medical readiness. In August, the Medical Department underwent the Annual Force Medical Inspection. Overall, the Medical Department was rated C1 “Fully Ready” in all categories.

On detail sites, medical care was provided by on-base medical facilities and nearby U.S. military treatment facilities coordinated through the battalion’s medical staff. The battalion did support medical readiness with an Independent Duty Corpsman at Pohang, Seychelles, and Pakistan.

### **MEDICAL TRACKER**

Total seen at Battalion Aid Station	1121
Sick-In-Quarters (SIQ) days	77
Immunizations	654
Sanitation Inspections	35
Audiograms	12
Physical Exams	43
MEDEVACs	2

### **MEDICAL READINESS**

	<b>PERCENT of BATTALION</b>					
	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEPT</b>	<b>OCT</b>	<b>NOV</b>
HIV	95%	95%	98%	98%	98%	98%
Immunizations	95%	94%	95%	95%	92%	85%
Physicals	91%	92%	93%	91%	89%	88%
Anthrax	58%	55%	54%	53%	53%	53%
Small Pox	47%	47%	22%	20%	100%	100%

## **DENTAL**

During the 2005 Deployment, the NMCB SEVENTY-FOUR Dental Department maintained the readiness at 98.5%. All segments of the battalion departed homeport with 100% dental readiness. In August, the Dental Department underwent the Annual Force Medical Inspection. Overall, the Dental Department was rated C1 “Fully Ready” in all categories.

Dental care was provided directly by the Battalion Dental Officer in Okinawa and by resident Naval dental clinics associated with each detail site. Dental care was provided by an IDC at the Seychelles and Pakistan locations. A rigorous supplemental evaluation process was completed prior to the deployment of the Air Detachment to Pakistan. There were two dental emergencies handled by the Dental Officer at Camp Shields, Okinawa, Japan.

## **CHAPLAIN**

The Religious Ministry Team was responsible for the spiritual and emotional well being of the battalion throughout the deployment. Specific areas of ministry were jobsite visitation, pastoral counseling, worship, Bible study, and community relations. The RMT also was responsible for the administration of the Library, the United Through Reading (UTR) Program and Japanese Language Classes. The Battalion Chaplain deployed to Camp Shields, Okinawa with the main body. Religious support at the detail sites was arranged locally and provided by resident base chaplains.

The Battalion also participated in a variety of community relations (COMREL) projects at all sites. In Okinawa, 188 personnel expended a total of 500 MDs on 6 COMREL projects. Benefiting organizations included the Special Olympics, Misato Children's Home, and the Okinawa Christian School. The type of service provided varied from minor interior repairs to classrooms to providing Christmas gifts for orphaned children. Additionally, Battalion personnel utilized the United Through Reading Program to support the Harper McCaughn Elementary School back home in Gulfport. Personnel donated their time to read a book to be videotaped and sent back to be presented to the class during the school day. Overall, the variety of COMREL activities allowed the Battalion personnel to give back to the Okinawa and Gulfport Community while on Deployment.

Red Cross messages received: 29





# **CHAPTER III**

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## **TRAINING / ARMORY/COMMUNICATIONS**

An innovative and aggressive 2005 Okinawa Deployment Training Plan ensured the continued development and improvement of technical and general military training skills while maintaining highly productive construction operations. Through creative planning and resource allocation, the Training Department in close collaboration with the Operations Department, was able to meet all pre-deployment goals, including the completion of three note-worthy training initiatives.

### **TECHNICAL TRAINING**

Skills attainment was increased significantly through on-the-job-training (OJT) at project sites and in the shops. Seabee Skills Assessment Program (SSAP) interviews were conducted over the course of deployment and throughout the AOR to document skills gained. The SSAP interviews also assisted in identifying individual training requirements for the 2005/2006 homeport training cycle.

An extensive company level technical classroom-training program was maintained throughout the deployment. Innovative and challenging, this training included Advanced CBCM, CESE Operations, CAD, Tool Kit Management, MLO Operations and Print Reading.

### **COMBAT SKILLS TRAINING**

In addition to Seabee Combat Warfare Skills training, many combat skills were honed through a variety of battalion level evolutions. The primary training evolution was Operation OKINAWA FEX 1011, NMCB 74's deployed FEX. Operation OKINAWA FEX 1011 promoted the development of small unit leadership, basic combat skills and the execution of convoy operations. The convoy and patrol training blocks were provided by SMEs from within the battalion. The III MEF SOTG training staff at Camp Foster provided supplemental instruction. Utilizing Combat Town at Camp Hansen, the SOTG provided the troops with basic training in Military Operations in Urban Terrain (MOUT). While Seabees generally don't operate offensively in this environment, the training serves as a good familiarization exercise that increased their awareness and understanding of operations in urban environments. Also, in conjunction with the FEX, the battalion exercised command and control through a Khaki level Command and Control Tactical Exercise without Troops (C2TEWT). While the troops were honing their basic convoy, patrol, and MOUT skills, the senior enlisted and junior officers were gaining valuable experience in COC operations. The C2TEWT reinforced the COC OPS training received prior to the FEX. U.S. Marine Corps personnel from 2<sup>nd</sup> Battalion/4<sup>th</sup> Marine Regiment provided classroom instruction in field COC operations.

In addition to the deployed FEX, the battalion also took advantage of two training opportunities rarely offered to Seabees. The first was a two-day joint RRR exercise with the USAF. The exercise reinforced those skills learned and practiced during homeport, while also allowing the troops the opportunity to gain additional training not normally available in homeport. The additional topics covered were: unexploded ordnance identification, mobile

aircraft arresting system installation, expedient airfield marking system, and expedient airfield lighting system. The 554th Red Horse Squadron, at the Silver Flag training site on Kadena Air Base, facilitated the exercise.

The other training opportunity leveraged during this deployment was the Jungle Warfare Training Course at the Northern Training Area (NTA) in Okinawa, Japan. The battalion deployed 50 personnel from the Air Detachment to NTA to participate in a 4-day evolution that included many advanced team building, combat patrol and evasion techniques. Day One consisted of embarkation to the training area and camp set up. Day Two training consisted of jungle survival, rope management and rappelling. Day Three training focused on patrolling with conduct in patrolling, immediate action drills and a patrol exercise. Day Four training wrapped up the evolution with an endurance course.

### **WEAPONS TRAINING**

Early in the deployment, the mainbody at Okinawa participated in a two-day BZO/Weapons training evolution. Additionally, training was held to prepare 24 personnel for Auxiliary Security Force (ASF) duty in support of Commander Fleet Activities Okinawa (CFAO). The ASF personnel received advanced M-16, M9 and 12 Gauge Shotgun training. Furthermore, several Details were able to take advantage of firearms training opportunities at their respective sites, most notably, Diego Garcia who was able to complete two range exercises with the British Royal Marines.

### **GENERAL MILITARY TRAINING**

The Battalion dedicated several training days to provide instruction in mandated general training topics. Specific areas of instruction included: Hazing, Safety and ORM, SAVI, Intercultural Relations and Domestic Violence.

Other training topics covered during the deployment included 3M, NKO registration & overview, mentorship, financial management, savings and investments, 5 Vector Model, advancement, understanding profile sheets, and computer security.

### **SEABEE COMBAT WARFARE SPECIALIST (SCWS) TRAINING**

The Battalion continued their aggressive SCWS program throughout the deployment. Numerous SCWS training sessions were conducted to include daily evening workshops. The battalion successfully qualified 45 individuals as Seabee Combat Warfare Specialists during the deployment.

### **SCWS QUALIFICATION REPORT**

	Assigned	Previously Qualified	Qualified on Deployment	Total Qualified
E1 - E6	532	162	35	197
E7 - E9	43	36	4	40
CWO2-O5	24	3	6	9
<b>Total</b>	<b>597</b>	<b>201</b>	<b>45</b>	<b>246</b>

## PHYSICAL TRAINING

Physical training (PT) was conducted three times a week on Tuesday, Thursday and Saturdays. PT consisted of stretching, strength training, endurance training and cardio training. Routine sessions lasted 60 minutes consisting of various stretches, numerous push-ups and sit-ups ending with a minimum 2-mile run.

Working Saturdays proved to be quite competitive with the inclusion of Sports Day at the company level. Events consisted of Ultimate Frisbee, Flag Football, Basketball and Volleyball. Sports Day proved to be an overall success and highly effective in teambuilding.

Twice a month the entire Battalion eagerly engaged in aerobics lead by a certified civilian instructor. The 45-minute cardio workout and 15 minute cool down was quite challenging but also rewarding.

The Fitness Enhancement Program (FEP) was held three times a week on Monday, Wednesday and Fridays. The entire FEP program was revamped due to the large group of personnel enrolled in FEP. The most significant change was creating 8 groups of 10 and assigning two assistant Command Fitness Leaders to monitor and dictate their workout. Program proved to a success with several troops being removed from FEP.

Below is the command summary for the last Physical Readiness Test.

### FY 2005 PFA RESULTS

CYCLE	# PERSONNEL ONBOARD	# PERSONNEL PARTICIPATED	% PERSONNEL COMPLETE	AVERAGE SCORES			% OUTSTANDING	% EXCELLENT
				CURL UPS	PUSH UPS	RUN/SWIM		
SPRING '05	607	528	87%	80	68	12:00	8%	32%
FALL 05	662	494	75%	87	68	11:26	9%	36%

## COMMUNICATION/INFORMATION SYSTEMS

During the 2005 Okinawa Deployment, the Communications and Information Systems Department (ISD) met Regiment's tasking in all areas. All ISD computers assets were kept in good working order.

All Communications maintenance was accomplished in accordance with the 3M Maintenance System.

### ADP

All three Information Systems Technicians (ITs) worked together throughout the deployment handling trouble calls and network maintenance. ISD put together a plan to add 25 new workstations to the camp network that will be specifically designated for access to Navy Knowledge Online (NKO).

## **COMMUNICATIONS**

The Communications Department conducted required maintenance for all equipment in the TOA, including Controlled Cryptological Items (CCI) and unclassified field communications gear.

They also prepared for and conducted battalion-wide communications training that included lectures and demonstrations of PRC-119 radios and High Frequency radios, use and handling of yellow canary message forms, and proper communicator etiquette.

Communications Department also provided all necessary communication equipment and communicator during a 48-hour mount out of Air Detachment while inventorying and packing up their own gear for the earthquake relief efforts in Pakistan.

## **PUBLIC AFFAIRS**

The Public Affairs Office handled all public press releases, photograph submissions, Fleet Hometown News, and PACEN submissions. The Public Affairs staff was also responsible for producing the Battalion Cruise book, photo documentation of command functions, award ceremonies, re-enlistments, project sites, and incident coverage.

### **SPECIFIC AREAS OF INTEREST**

Press Releases:	30
Seabee Courier (CBC Gulfport):	30
News.Navy.mil:	15
AFN (Video Stories):	1
Unpublished:	3

#### **Photograph Releases:**

NMCB SEVENTY-FOUR released over 900 photographs to the Joint Combat Camera and the Navy Newsstand. Four of these pictures were published in ALL HANDS Magazine, two were feature in Navy Times, and an unknown amount were used by other Navy publications and civilian outlets.

#### **Cruise book:**

PAO produced a hard cover Battalion Cruise book.

# **CHAPTER IV**

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## OPERATIONS

### **SAFETY**

Safety continues to be the number one priority of the Fearless Battalion. A culture of Safety permeates every operation and exercise that NMCB-74 engages in. A strong working knowledge of Operational Risk Management is expected of every Seabee, and inspected on a regular basis. Every Seabee is trained to incorporate ORM into their daily activities both on and off duty.

The battalion was deployed across an unprecedented geographical range during this deployment. The Okinawa Deployment's safety discrepancies varied with the type of construction performed. Specific hazards included eye hazards, fall protection, trenching, scaffolding, weather conditions, snakes, insects, traffic flow, and paint fumes. All construction hazards were mitigated with the use of project safety plans, intrusive leadership, and the use of ORM. There was one Class A mishap during this deployment, an off duty drowning fatality. Additional mishaps included typical sports injuries such as twisted ankles, sprained knees and other orthopedic ailments. All noted hazards on the construction sites were corrected immediately.

<b>DEPLOYMENT 2005</b>								
	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
<b>LOST WORK CASES ON DUTY</b>	0	0	0	0	0	1	0	1
<b>LIGHT DUTY CASES ON DUTY</b>	8	2	0	0	2	2	0	14
<b>VEHICLE MISHAPS ON DUTY</b>	0	0	0	0	0	0	0	0
<b>NO LOST TIME MISHAPS ON DUTY</b>	16	12	3	6	5	6	0	48
<b>FATALITIES ON DUTY</b>	0	0	0	0	0	0	0	0
<b>TOTAL MISHAPS ON DUTY</b>	16	12	3	6	5	7	0	49
<b>LOST WORK CASES OFF DUTY</b>	0	2	0	0	0	0	0	2
<b>LIGHT DUTY CASES OFF DUTY</b>	4	5	0	0	2	0	0	11
<b>VEHICLE MISHAPS OFF DUTY</b>	0	0	0	0	0	0	0	0
<b>NO LOST TIME MISHAPS OFF DUTY</b>	4	5	0	0	2	0	0	11
<b>FATALITIES OFF DUTY</b>	0	0	0	0	0	1	0	1
<b>TOTAL MISHAPS OFF DUTY</b>	4	7	0	0	2	1	0	14
<b>TOTAL MISHAPS</b>	20	19	3	6	7	8	0	63

## **OPERATIONS SUMMARY**

NMCB 74's 2005 deployment was characterized by diversified operations located at numerous detail sites across the Pacific, South Asia, Africa and stateside. By the end of deployment, a total for 406 personnel deployed to 13 detail and DFT sites. Deployment locations in Atsugi, Fuji, Iwakuni, Sasebo, and Yokosuka, Japan, Chinhai and Pohang, Korea, Camp Pendleton and San Clemente, California, Diego Garcia, Seychelles Islands and the Kashmir Region of Pakistan. Detail Camp Pendleton departed Okinawa in late August. DFT Seychelles and DFT Pakistan departed Okinawa in October 2005. Additionally, eight personnel were provided as individual augments (IA) in Afghanistan, Bosnia and Iraq supporting various operations. These personnel deployed on 180-day orders separately from the Battalion as early as April 2005 with the last IA leaving the Battalion from Okinawa in June 2005. In October 2005, 30NCR also requested an additional four personnel to support operations at the PACDIV and the Regiment in Hawaii. These personnel deployed to Hawaii for the remainder of the deployment. Initially, over 400 personnel were deployed to Camp Shields, Okinawa, Japan. By October 2005, the total number of personnel remaining in Okinawa had been reduced to 248.

The main body at Camp Shields immediately began construction operations on variety of tasked projects across the island in support of both Navy and Marine Corps Units. Despite reduced manday capability as a result of the deployment of a heavy Air Det to Pakistan, the battalion was able to complete the following tasking turned over from the previous battalion: Security Road, Awase NRTF, and Construct SBU Facility, White Beach. Projects started and completed during the deployment include: Renovate Quonset Huts, BLDG 6046, and JWTC Road and Range Repairs. The battalion started and turned over the following projects to NMCB4: Fitness Center Expansion at White Beach, Construct Mezzanine, BLDG 3577, Construct Dispatch Facility and Construct Pavilions at Camp Shields.

The Deployment for Training in Seychelles team deployed from Okinawa via Bahrain in October 2005. The delayed party deployed directly from Okinawa to Seychelles. DFT Seychelles provided community relations assistance by conducting various construction and renovation projects for the Nazareth Boys Orphanage and the St Elisabeth's Girls Convent. Additional detail is provided in a separate after action report.

Detail Atsugi completed three projects. The first project completed was the "Renovate Office/Storage Areas, Building 617" which involved the construction of a 3,350 sq. ft. PEB with heads, office and storage spaces. This was a unique project in that it was constructed under the bleachers at the base stadium. The detail completed the project ahead of schedule. The next project completed was the "Install Range Lighting" project, which included erecting two 36-ft concrete poles, and installing a pole-mounted transformer, floodlights and all associated underground electrical work. The final project completed was the "Replace Golf Range Building" project. The scope of work for the "Golf Range Building" included concrete columns, sidewalk and ramps, a heavy-timber and steel beam roof, utilities and interior/exterior finish work.

The detail started and turned over the following projects to the next battalion: “Renovate Building 75” project and Install Street Lights”. The “Building 75” renovation project includes demolition of the interior, constructing interior walls, floors, heads, a new electrical and plumbing system, and finish work. The “Install Street Lights Project” project scope includes street light installation at various locations on NAF Atsugi. In addition to tasked projects, the Detail also renovated a playground at the base elementary school as an OIC Discretionary project. The NAF Atsugi Public Works Department has since used this project as a model for future playground renovations.

The primary project for Detail Chinhae is the Youth Center Addition. A 1,215 man-day project, which includes the construction of a 1,064 sq ft basement and a 1,596 sq. ft. ground level addition to the existing building. The customer will use the new space for storage, office space and a computer room that will support youth and teen activities. The project was completed on 1 December 2005. The detail also started the “Construct Two Story Barracks” project. The project scope includes a pre-engineered two-story open bay barracks. The facility requires both a temporary retaining wall (contractor installed) and a permanent wall (NCF constructed) for safety and aesthetics. Additionally, Detail Chinhae sent a four-man team to the US Embassy in Seole, Korea. The work consisted of wall repairs, paneling, and carpet tile.

Detail Diego Garcia completed a K-span project, which included the construction of two 100’ X 40’ K-Span buildings. Tasking specific to the Battalion included concrete placement for an end wall and the installation of a 20’ overhead door and two personnel doors. This project provides a facility that will be used by Naval Support Facility Diego Garcia for the storage of tent camp assemblies in support of “war fighters” in transit to OEF and OIF. Another major project at the detail site is a Pre-Engineered Building (PEB) for DG-21, the island’s BOS contractor. This is a storage facility that will be used to house heavy equipment. The PEB is a 40’ x 280’ open bay warehouse facility. Detail Diego Garcia’s last project is a new MWR Marina Operations building. It is a 40’ x 50’ metal frame and CMU facility. The project is a quality of life effort that will consolidate MWR ops at the Marina. The Detachment is tasked to complete 50% of the project by end of deployment.

Tasking for Detail Fuji included the construction of a 40’ timber tower and the completion of the Camp’s basketball court. The unique design of the timber tower provided numerous contingency training opportunities for the Detail including construction methodology and related crane support. The tower will provide a rappelling training platform for the Marines as well as augment security personnel at the Combined Arms Training Center, Camp Fuji.

Detail Iwakuni completed 5 projects. The “Construct Tire Storage Facility for Motor T” project was turned over from the previous battalion at 50% complete. Completing the project required the placement of concrete columns, RST, and the installation of steel roofing beams and sheeting. The second project completed was the “Relocate PEB for HAZMIN” which involved the removal, refurbishment and replacement of a 20’ X 25’ PEB. The project was completed ahead of schedule. The third project, starting in late August, was the “Construct X-Ray Screening Facility”. This project included footer placement, concrete wall placement, and wooden roof truss system. This project was set apart from the rest due its high visibility

as it was constructed at the main gate to MCAS Iwakuni and the installation of a ceramic tile roof not normally installed by Seabees. The fourth project was “Install Female Head at Building 743”. Work in a functional facility produced a challenge while completing the installation of new walls, doors, drywall, and bathroom fixtures. The crew met the challenge and completed the project ahead of schedule. The final project for the deployment was “Install Handicap Ramps”. This project consisted of the removal of existing sidewalks and curbing, replacing them with tapered curbs for easy access to road crossings. The ramps were completed 3 December 2005.

Detail Pohang was tasked with the construction of a Co-Ed Shower/Head Facility. The project consists of constructing a 1,500sqft co-ed head and laundry facility with a capacity for 400 exercise personnel, to include 9 toilets, 4 urinals, 12 sinks, 10 showerheads. The facility also includes include a concrete pad and associated utility connections to support an exercise laundry trailer. In addition to this tasking, the detail provided 90 mandays of support to Exercise Ulchi Focus Lens. Support for UFL included the construction, utility maintenance, and dismantling of the Harvest Eagle Galley. The galley provided 4500 meals to exercise personnel. When Typhoon Nabi threatened the Republic of Korea, the Detail rose to the challenge by sending all available personnel to dismantle and stow the HEG in one and a half days. With 30 units of CESE, the Detail maintained an overall 81% availability rate and received an outstanding during the CESE MAV by the 30 NCR. Additionally, the Detail supports Camp Mu Juk by providing two Culinary Specialists and an Independent Duty Corpsman. These personnel directly support the Marines by feeding and providing medical care for 183 camp personnel aboard the Camp.

Detail San Clemente Island excelled with the P493 “Construct SHOBA Operational Access Road” project. The completion of this road will add a critical resource to the island’s fleet training capability. It allows for the movement of tracked armored vehicles from the landing beaches at the north end of the island to the live fire ranges at the south end of the island. This is a distance of over 21 miles. The detail successfully resolved a number of key logistical issues involving mineral production and equipment support. Working with NAVFAC SW, detail personnel performed an economic analysis of renting a commercial rock crusher versus executing an open purchase of mineral product. The comparison resulted in a decision to purchase 10,000 CY of ¾”(-) mineral product saving the project over \$1M in unplanned equipment rental costs. This decision had the added benefit of saving the NCF approximately 6 months of production time on a project that is already one year behind schedule. The aggregate purchase was a major factor in bringing the project back within the constraints of the MILCON funding timeframe. Additionally, the Battalion identified approximately 5,000 CY of recycled concrete from a MILCON project at Naval Air Station North Island that could be substituted for raw aggregate. The result of this action provided a “win-win” for the customer (Commander Naval Base Coronado), NAVFAC SW, and the NCF.

NMCB-74 has been successful with continuing construction on the Assault Vehicle Maneuver Road (AVMR). The existing section of the AVMR has been completed and turned over to the customer. Work continues on Mile 3 through 9. Quarry Operations at Whale’s Point have been drawn down and subsequently transferred to the newly developed

Mid-Island site. Despite the numerous challenges associated with the crusher at Whale's Point, the detail was able to increase the production of both 4"(-) and ¾"(-) material.

Detail Sasebo in partnership with Commander Fleet Activities Sasebo and 30NCR continued to refine the scope of work associated with the Sakibe Fire House project. The budget for this project was initially set at \$450,000; however, unplanned increases in material costs have pushed the project close to the MILCON threshold. The Detail identified over \$265,000 in cost savings. The scope of work includes the construction of a 50ft x 100ft pre-engineered building, concrete foundation, partition walls, doors, windows, and flooring, ceilings and heat pump system. The project also includes associated electrical, mechanical, plumbing and painting work. Exterior work includes installation of septic system with leach field. Completion of this project will allow for the establishment of a Fire Department at a remote site in support of ACU-5.

Detail Yokosuka had one primary project: YO2-877, Install Emergency Generators for Commander Naval Forces Japan (CNFJ) Fire departments. This project marks the return of an NCF presence to Yokosuka. The project provided the installation of three generators at three different sites: Urago Ammo Depot, Azuma Island, and Ikego Housing. The detail worked closely with the Public Works department to incorporate numerous design changes and unforeseen conditions. Overcoming, delays resulting from unforeseen lead and asbestos, the detail worked tirelessly to ensure each site was installed to the satisfaction of the customer. The detail completed all of its assigned tasking.

#### **LIST OF BATTALION PROJECTS OKINAWA DEPLOYMENT 2005**

Project #	Project Title	Total Project MD	Total Project Material Cost	MD Tasked	% Tasked	Final WIP	MD Expended by Prior NMCBs	MD Expended this Deployment
JK2-868	Construct SBU Facility, White Beach	3575	\$705,809	220	94-100%	100%	3137	220
JK3-801	Security Road, AWASE NRTF	304	\$265,440	265	13-100%	100%	39	265
JK3-802	Mezzanine Building 3577	1100	\$187,000	660	0-60%	18%	0	268
JK3-803	Replace Dispatch Bldg T-323	1614	\$203,589	871	46-100%	91%	743	754
JK4-818	Construct Dental Addition, Camp Shields	1080	\$228,000	11	99-100%	100%	1069	11
JK4-820	Fitness Center Expansion	1032	\$132,196	1032	0-100%	71%	0	982
JK4-822	Construct Pavilions	817	\$147,917	817	0-100%	83%	0	713
JK5-828	Renovate Quonset Hut Bldg 6046	520	\$7,349	52	0-100%	100%	0	715
JK5-829	JWTC Road And Range Repairs	203	\$138,946	203	0-100%	100%	0	213
JK5-902	DFT Seychelles	1276	\$650,000	1276	0-100%		0	633
JK5-905	DFT Pakistan	1767	\$443,000	1767	0-100%	100%	0	3344

Project #	Project Title	Total Project MD	Total Project Material Cost	MD Tasked	% Tasked	Final WIP	MD Expended by Prior NMCBs	MD Expended this Deployment
AG1-870	Replace Golf Range Building	1093	\$279,233	440	62-100%	100%	653	600
AG1-876	Renovate Office/Storage Area Bldg 617	1136	\$329,810	240	69-100%	100%		407
AG1-878	Install Golf Range Lighting	130	\$71,399	130	0-100%	100%	0	85
AG2-881	Install Street Lights	196	\$126,472	306	0-62%	76%	0	111
AG3-890	Renovate Bldg 75	556	\$120,000	462	0-80%	50%	0	532
AG4-895	Construct Shop Bldg, NAPRA Bldg 966	1247	\$650,000	210	0-25%	11%	0	46
CP1-803	Construct Combat Town	880	\$634,000	880	0-100%		0	1047
DG3-832	Construct K-span, 40X100	1335	\$167,459	124	91-100%	100%	1221	124
DG3-833	Construct Transportation Storage	917	\$156,176	917	0-100%	96%	0	878
DG3-835	Construct Lounge/Rec Area BEQ 6/7	1098	\$106,624	556	49-100%	100%	542	579
DG5-851	Construct Marina Bldg.	793	\$148,081	397	0-50%	50%	0	354
FJ4-816	Construct Basketball Court	417	\$300,000	11	97-100%	100%	406	10
FJ5-817	Construct Rappelling Tower	400	\$130,000	400	0-100%	100%	0	400
IW3-803	Construct Handicap Ramps (Phase III)	202	\$9,183	202	0-100%	100%	0	73
IW4-809	Construct X-ray Screening Room	302	\$59,031	302	0-100%	100%	0	278
IW5-814	Construct Tire Storage Facility Motor-T	485	\$54,353	237	51-100%	100%	242	322
IW5-815	Relocate Steel Canopy for Environmental	201	\$16,740	201	0-100%	100%	0	172
IW5-816	Construct Restroom at Bldg 743	118	\$5,370	118	0-100%	100%	0	68
KO4-841	Construct Youth Center Addition	1215	\$452,995	559	54-100%	100%	656	816
KO5-844	Construct Two Story Open Bay Barracks	2000	\$488,888	630	0-32%	4%	0	194
PK4-861	Construct Co-ed Exercise Shower/Head Facility	1200	\$150,000	960	0-80%	79%	0	824
PK5-325	Mu Juk Maintenance and Repair	200	\$11,782	200	0-100%	100%	0	183

Project #	Project Title	Total Project MD	Total Project Material Cost	MD Tasked	% Tasked	Final WIP	MD Expended by Prior NMCBs	MD Expended this Deployment
SA0-892	Construct PEB Fire Station, Sakibe	1947	\$730,000	531	49-76%	74%	959	550
SA3-818	Construct 2nd Floor Warehouse 303	876	\$200,000	745	0-85%	91%	0	141
SA3-824	Repair Retaining Wall, Hario-Shima Bay 3012	393	\$82,000	393	0-100%	100%	0	400
SA3-825	Repair Yokose Road	567	\$30,000	567	0-100%	100%	0	401
SA4-829	Construct Akasaki PEB	1020	\$700,000	571	0-56%	51%	0	522
SC2-815	Construct SHOBA Operational Access Road	27536	\$17,841,000	2046	10-17%	17%	2804	2046
SC5-413	Quarry/Crusher Operations	1485		1487	0-100%	100%	0	217
SC5-821	MARSUP Facility Support	550		550	0-100%	100%	0	504
YO2-877	Install 3 Emergency Generators	500	\$527,040	400	0-80%	80%	0	333

## EMBARKATION

The Embark staff deployed 663 personnel to Okinawa Japan, San Clemente Island, California and Diego Garcia from Gulfport, MS. Individual Augment personnel were also deployed to Afghanistan, Iraq and Bosnia. Within two days of the arrival of each of the AP and MB flights in Okinawa, the Embark staff redeployed personnel from Details Fuji, Atsugi, Pohang, Chinhae, Sasebo, Iwakuni and Yokosuka to their respective sites.

Beginning almost immediately upon NMCB 74 personnel arriving at their respective deployment sites, Embark personnel began facilitating and tracking the redeployment of personnel throughout the Battalion's AOR to meet the numerous facets of what has proved to be a dynamic and challenging mission. A total of 658 supplemental personnel moves were executed after the initial deployment of the battalion.

In July, two Seabees were redeployed from Okinawa to Surabaya, Indonesia to participate in the 2005 CARAT Indonesia. In late August, 20 personnel were re-deployed to San Diego to take over Detail Camp Pendleton from NMCB5. After the arrival of Hurricane Katrina on August 28th, the embark staff redeployed 5 personnel to Gulfport, MS to stand-up Detail Katrina. The Embark staff next supported NMCB 74 with coordination of transportation to and from homeport for all Katrina related emergency leave. A total of 123 people, up to 11% of the battalion at a time, were moved from both Camp Shield, and the NMCB 74 Detail sites, back to Gulfport. In October, DFT Seychelles stood up, with 22 of NMCB 74's Seabees being deployed from Okinawa to meet this mission.

In mid-October the Embark Staff managed the Mount Out and deployment to the Deployed Field Exercise, Okinawa 2005. Recalled from the field early to respond to a warning order

for a Disaster Response mission in Pakistan, the Embark staff coordinated a hasty return from the deployed FEX. Embark then immediately went about providing key support for the planning of the contingency mission.

The Embark staff began load planning and manifesting of several different courses of action (COA) for the Pakistan mission. In this effort, an additional challenge was met of having to plan for each COA using each of the several different types of aircraft that might be assigned. When aircraft were finally assigned for the mission, they included a cargo configured 747 and a Russian owned (US contracted) AN124. The Embark staff quickly adjusted fire to re-plan for these atypical airframes. The staff successfully embarked 123 personnel w/ TOA facilities, CESE and weapons to Islamabad Pakistan.

Throughout the six-month deployment, Embark personnel have tracked and facilitated the movement of over 600 personnel who have either redeployed, returned home on emergency leave, were reassigned to various Detail sites or have gone on Detail Site visits.

Between 03 December and 17 December, the Embark staff redeployed 638 personnel from Okinawa Japan, San Clemente Island, California, Camp Pendleton, California, the Seychelles and Diego Garcia to Gulfport, MS. Additionally, NMCB 74 managed the deployment of all NMCB 4 Detail Advance Party personnel. NMCB 74 Embark was able to maximize the time afforded to each site for turnover by taking full advantage of relationships built with the various airlift providers over the course of the six-month deployment. A full turnover was completed with NMCB 4 to include passing on all personal contacts that had been developed.

**FLIGHT INFORMATION: GULFPORT TO OKINAWA AND DETAIL SITES**

<b>Departure Date</b>	<b>Type of Aircraft</b>	<b># of Pax</b>	<b>Equip/ Pallet</b>	<b>Weight</b>	<b>Route</b>
04 Jun 05	DC-10	277	0	87839	Gulfport to Okinawa
13 Jun 05	DC-10	251	0	81494	Gulfport to Okinawa
03 Jun 05	Commercial	46	0	N/A	Gulfport to Detail Sites
11 Jun 05	Commercial	38	0	N/A	Gulfport to Detail Sites
<b>TOTAL PAX</b>		<b>612</b>			

**FLIGHT INFORMATION: REDEPLOYED PERSONNEL - OKINAWA TO DETS**

<b>Detail Site</b>	<b>Departure Date</b>	<b>Type of Aircraft</b>	<b># of Pax</b>	<b>Equip / Pallet</b>	<b>Route</b>
Atsugi	06-Jun-05	NALO	11	0	Okinawa to Atsugi
Atsugi	13-Jun-05	NALO	15	0	Okinawa to Atsugi
Fuji	06-Jun-05	NALO	10	0	Okinawa to Atsugi
Iwakuni	06-Jun-05	NALO	13	0	Okinawa to Iwakuni
Iwakuni	13-Jun-05	NALO	7	0	Okinawa to Iwakuni
Sasebo	06-Jun-05	NALO	23	0	Okinawa to Iwakuni
Sasebo	13-Jun-05	NALO	17	0	Okinawa to Iwakuni
Pohang/Chinhae	06-Jun-05	NALO	21	0	Okinawa to Gimhae
Pohang/Chinhae	14-Jun-05	Commercial	17	0	Okinawa to Gimhae



Yokosuka	06-Jun-05	NALO	10	0	Okinawa to Atsugi
Pendleton	22-Aug-05	Commercial	5	0	Okinawa to North Island
Pendleton	02-Sep-05	NALO	15	0	Okinawa to San Diego
Seychelles	09-Oct-05	Commercial	5	0	Okinawa to Seychelles
Seychelles	24-Oct-05	Commercial	19	0	Okinawa to Seychelles
Pakistan	20-Oct-05	Commercial	5	0	Okinawa to Pakistan
Pakistan	21-Oct-05	AN-124	10	7 / 5	Okinawa to Pakistan
Pakistan	23-Oct-05	Boeing 747	2	32 pallets	Okinawa to Pakistan
Pakistan	24-Oct-05	Boeing 757	106	0	Okinawa to Pakistan
<b>TOTAL PAX</b>			<b>311</b>		

**FLIGHT INFORMATION: REDEPLOYED PERSONNEL FROM DETS**

<b>Detail Site</b>	<b>Departure Date</b>	<b>Type of Aircraft</b>	<b># of Pax</b>	<b>Equip / Pallet</b>	<b>Route</b>
Atsugi	27-Nov-05	NALO	12	0	Atsugi to Okinawa
Atsugi	03-Dec-05	AMC	10	0	Yakota to Okinawa
Atsugi	12-Dec-05	NALO	8	0	Atsugi to Okinawa
Fuji	27-Nov-05	NALO	7	0	Atsugi to Okinawa
Fuji	12-Dec-05	NALO	3	0	Atsugi to Okinawa
Iwakuni	03-Dec-05	Commercial	13	0	Hiroshima to Okinawa
Iwakuni	12-Dec-05	NALO	7	0	Iwakuni to Okinawa
Sasebo	03-Dec-05	Commercial	23	0	Nagasaki to Okinawa
Sasebo	12-Dec-05	NALO	17	0	Sasebo to Okinawa
Pohang/Chinhae	08-Dec-05	NALO	23	0	Gimhae to Okinawa
Pohang/Chinhae	12-Dec-05	NALO	15	0	Gimhae to Okinawa
Yokosuka	27-Nov-05	NALO	6	0	Atsugi to Okinawa
Yokosuka	12-Nov-05	NALO	4	0	Atsugi to Okinawa
Pendleton	03-Dec-05	Commercial	11	0	San Diego to Gulfport
Pendleton	13-Dec-05	Commercial	9	0	San Diego to Gulfport
Seychelles	16-Dec-05	Commercial	22	0	Seychelles to Gulfport
<b>TOTAL PAX</b>			<b>190</b>		

**FLIGHT INFORMATION: OKINAWA AND DETAIL SITES TO GULFPORT**

<b>Departure Date</b>	<b>Type of Aircraft</b>	<b># of Pax</b>	<b>Equip/ Pallet</b>	<b>Weight</b>	<b>Route</b>
05 Dec 05	737	187	0	65381	Okinawa to Gulfport
15 Dec 05	DC-10	217	0	74513	Okinawa to Gulfport
03 Dec 05	Commercial	56	0	N/A	Detail Sites to Gulfport
11 Jun 05	Commercial	64	0	N/A	Detail Sites to Gulfport
Pakistan	JOPES	114		N/A	Pakistan to Gulfport
<b>TOTAL PAX</b>		<b>638</b>			

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# **OKINAWA**

## **PROJECT SUMMARIES**

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LEFT: Crew prepares the asphalt to install the fence rails.  
 BOTTOM: Completed project.



## CONSTRUCT SBU FACILITY, WHITE BEACH JK2-868

**Project Data**

**Project Scope:** Construct a 604SM (6,500SF) pre-engineered building (PEB) for Special Boat Unit Maintenance Facility. Project includes offices, toilet/shower, drying cages, HVAC, plumbing, power, and lighting. Complete punch list items and manage contracts for fire suppression and alarm systems, and landscaping.

<b>Personnel:</b>	05	
<b>Duration:</b>	June 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	3355
	NMCB 74:	220
<b>Tasking:</b>	WIP at Turnover:	94 %
	WIP at Deployment Completion:	100 %
	MD Tasked to NMCB 74:	220
	Total Project MD:	3575
<b>Material Cost:</b>	\$ 705,809	
<b>Cost Savings:</b>	\$ 1,251,250	

**Significant Safety Issues:** None

**Significant QC Issues:** Due to improper insulation of HVAC duct work by the contractor, all of the ceiling tiles and carpet tiles had to be replaced prior to BOD. This resulted in additional work and delays to the completion date.

**Significant Design Issues:** None

**Significant Material Issues:** None



LEFT: Initial grading of the road.  
 BOTTOM: Completed road.



## SECURITY ROAD, AWASE NRTF JK3-801

**Project Data**

**Project Scope:** Reshape sub-grade and compact to 95%. Place six-inch base course and compact to 95%. Place two-inch asphalt mat and compact to 95%. Landscape shoulder area. Total length of the road is 2,696 meters.

<b>Personnel:</b>	5	
<b>Duration:</b>	02 MAY 05-05 OCT 05	
<b>Mandays Expended:</b>	Previous Battalions:	39
	NMCB 74:	265
<b>Tasking:</b>	WIP at Turnover:	13%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	265
	Total Project MD:	304
<b>Material Cost:</b>	\$ 265,440	
<b>Cost Savings:</b>	\$ 106,400	

**Significant Safety Issues:**

**Significant QC Issues:**

**Significant Design Issues:** Design was incomplete and lacking detail when arriving on site. The crew worked very closely with the customer to ensure the road provided the proper drainage desired.

**Significant Material Issues:** C40 deliveries were a challenge due to contractor availability.



LEFT: Bravo Co. crewmembers excavating for grade beam and footer forms.  
 BOTTOM: Bravo Co. Crewmembers compacting after grade beam, footer and under slab utility placement.



## CONSTRUCT MEZZANINE AND OFFICE SPACES, BLDG 3577, KADENA JK3-802

**Project Data**

**Project Scope:** Construct an 85 SM structural mezzanine, 29 SM combination shower/toilet facility, and erect modular offices.

<b>Personnel:</b>	12	
<b>Duration:</b>	June 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	268
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	18%
	MD Tasked to NMCB 74:	700
	Total Project MD:	1200
<b>Material Cost:</b>	\$ 187,000	
<b>Cost Savings:</b>	\$ 420,000	

**Significant Safety Issues:** Use of vehicles in close quarters, scaffolding, open excavations

**Significant QC Issues:** None

**Significant Design Issues:** Change in scope increased volume of under slab concrete to be placed.

**Significant Material Issues:** None



LEFT: Crew placing the concrete slab.  
 BOTTOM: Crew is installing windows doors and interior finishes while the exterior area is prepared for paint.



## REPLACE DISPATCH BLDG T-323, CAMP SHIELDS JK3-803

**Project Data**

**Project Scope:** Demolish and reconstruct a 47sqm (505sqft) reinforced masonry (CMU) and concrete dispatch office. Contracts are required for painting and roofing. Place CMU walls, concrete bond beams, roof, and other remaining construction activities.

<b>Personnel:</b>	12	
<b>Duration:</b>	June 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	743
	NMCB 74:	754
<b>Tasking:</b>	WIP at Turnover:	46%
	WIP at Deployment Completion:	91%
	MD Tasked to NMCB 74:	871
	Total Project MD:	1614
<b>Material Cost:</b>	\$ 203,589	
<b>Cost Savings:</b>	\$ 564,900	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None





LEFT: Completed Dental room.  
 BOTTOM: Project is complete less contracted work for the fire alarm system.



## CONSTRUCT DENTAL ADDITION, CAMP SHIELDS JK4-818

**Project Data**

**Project Scope:** Remove existing structure including CMU walls with lead paint, concrete canopy, stoop, doors, windows, frames, threshold, wood frame panel, scupper, and roof drain. Construct a 20' x 40' building addition that includes 3 sterilization rooms, medical storage facility, and corridor. Install HVAC, plumbing system, electrical power, lighting fixtures, and fire protection system.

<b>Personnel:</b>	2	
<b>Duration:</b>	June 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	1443
	NMCB 74:	11
<b>Tasking:</b>	WIP at Turnover:	99%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	11
	Total Project MD:	1080
<b>Material Cost:</b>	\$ 228,000	
<b>Cost Savings:</b>	\$ 378,000	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** Fire alarm system contract was delayed due to specification interpretation differences between CFAO and Kadena Air Base Engineers. Contract is now awarded and the work is expected to be finished in January 2006.

**Significant Material Issues:** None



LEFT: Crew is forming and placing RST for building grade beams.  
 BOTTOM: Windows and doors installed, roof poured and waiting for exterior painting.



## FITNESS CENTER EXPANSION, WHITE BEACH JK5-820

**Project Data**

**Project Scope:** Construct a reinforced concrete and masonry (CMU) addition to Building 1103 (existing Fitness Center at White Beach). The addition is to be one large multi-purpose room. Scope includes lighting, HVAC, and convenience electrical outlets. No plumbing required.

**Personnel:** 13

**Duration:** June 2005 – December 2005

**Mandays Expended:** Previous Battalions: 0  
 NMCB 74: 982

**Tasking:** WIP at Turnover: 0%  
 WIP at Deployment Completion: 71%  
 MD Tasked to NMCB 74: 1032  
 Total Project MD: 1032

**Material Cost:** \$ 132,196  
**Cost Savings:** \$ 361,200

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None



LEFT: Pavilion B – completed slab and columns, awaiting roof formwork and placement. To be completed by next battalion.

BOTTOM: Pavilion A – Completed. Contractor completed exterior paint.



## CONSTRUCT PAVILIONS JK4-822

**Project Data**

**Project Scope:** Construct two 20' x 20' concrete pavilions on Camp Shields with electrical outlets and a hose bib.

**Personnel:** 8

**Duration:** June 2005 – December 2005

**Mandays Expended:** Previous Battalions: 0  
NMCB 74: 713

**Tasking:** WIP at Turnover: 0%  
WIP at Deployment Completion: 83%  
MD Tasked to NMCB 74: 817  
Total Project MD: 817

**Material Cost:** \$ 145,917

**Cost Savings:** \$ 285,950

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None



LEFT: Air Det Troops practice patrolling at the Jungle Warfare Training Center. III MEF provided training. BOTTOM: Equipment Operators fill in crater as part of RRR training and exercise. Det 1, 554th RED HORSE Squadron provided training at the PACAF Silver Flag site on Kadena Air Force Base, Okinawa, Japan.



## DIRECT LABOR TRAINING JK5-632

**Project Data**

**Project Scope:** Direct Labor Allocation for general military training and physical readiness. Training included RRR, Jungle Warfare Training Center and weapons training.

<b>Personnel:</b>	118	
<b>Duration:</b>	June 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	1967
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	93%
	MD Tasked to NMCB 74:	2100
	Total Project MD:	2100
<b>Material Cost:</b>	\$ 0	
<b>Cost Savings:</b>	\$ 0	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None

# ULCHI FOCUS LENS (UFL) '05

## JK5-677

### Project Data

**Project Scope:** Construct decking and support the Combined MEF Engineer Group (CMEG) Simulation Center (SIMCTR) staff at Camp Courtney, Okinawa and to escort cargo to Korea during Exercise ULCHI FOCUS LENS '05 (UFL).

**Personnel:** 20

**Duration:** July 2005 – September 2005

**Mandays Expended:** Previous Battalions: 0  
NMCB 74: 266

**Tasking:** WIP at Turnover: 0%  
WIP at Deployment Completion: 100%  
MD Tasked to NMCB 74: 266  
Total Project MD: 266

**Material Cost:** \$ 0

**Cost Savings:** \$ 0

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None



# CARAT INDONESIA

## JK5-680

### Project Data

**Project Scope:** Deploy 2 PAX (2 DL, preferably 1-BU1 and 1-BU3) to Indonesia to participate in CARAT Indonesia. Supervise a community relations (COMREL) project consisting of laying approximately 158 square meters of paving stones at Kedung Cowek Elementary School, Surabaya, Indonesia. The exercise was executed 25-28 July 2005, with construction actually being performed on 26 and 27 July 2005.

<b>Personnel:</b>	2	
<b>Duration:</b>	25-29 July 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	5
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	5
	Total Project MD:	5
<b>Material Cost:</b>	\$ 0	
<b>Cost Savings:</b>	\$ 0	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None



LEFT: Demolition of interior finishes at the beginning of the project.  
 BOTTOM: Quonset Hut, Camp Lester upon completion. The space is now used as training classrooms.



## RENOVATE QUONSET HUT BLDG 6046, CAMP LESTER JK5-828

**Project Data**

**Project Scope:** Renovate exterior/interior of Quonset hut to include floor slab, office spaces, associated electrical work, painting, and miscellaneous repairs.

<b>Personnel:</b>	10	
<b>Duration:</b>	June 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	715
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	520
	Total Project MD:	520
<b>Material Cost:</b>	\$ 7,349	
<b>Cost Savings:</b>	\$ 182,000	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None



LEFT: The road prior to repairs.  
 BOTTOM: Completed project including diversion ditches and soil stabilization.



## JWTC ROAD AND RANGE REPAIRS JK5-829

**Project Data**

**Project Scope:** Remediate 725 meters of JWTC Perimeter road. Construct 13 cross drainage ditches, and soil stabilize road from station 52+75 through 60+00. Average road width is 24'.

<b>Personnel:</b>	8	
<b>Duration:</b>	10 AUG 2005 – 29 NOV 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	213
<b>Tasking:</b>	WIP at Turnover:	0
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	213
	Total Project MD:	213
<b>Material Cost:</b>	\$ 138,946	
<b>Cost Savings:</b>	\$ 74,550	

**Significant Safety Issues:** Perimeter road is narrow and has steep inclines and declines. Traction, especially when wet, is precarious.

**Significant QC Issues:** Equipment broke down at a critical time of soil stabilizing process in one area (53+00 to 53+50). Rework was accomplished with equipment on hand.

**Significant Design Issues:** Project scope changed after work began, and continued to change as work progressed.

**Significant Material Issues:** Due to scope changes, add on BMs were required, which caused material receipt delays, which consequentially delayed project completion.





LEFT: Maurice Row #2 before repairs.  
 BOTTOM: Completed roof for Maurice Row #2.



## DFT SEYCHELLES JK5-902

**Project Data**

**Project Scope:** Renovate and repair St Elisabeth’s Convent and Orphanage facilities including daycare, infirmary and living quarters. Renovations included roof repair, kitchen and bathroom renovation and installation of perimeter fencing.

**Personnel:** 16

**Duration:** October 2005 – December 2005

**Mandays Expended:** Previous Battalions: 0  
 NMCB 74: 633

**Tasking:** WIP at Turnover: 0%  
 WIP at Deployment Completion: 100%  
 MD Tasked to NMCB 74: 577  
 Total Project MD: 577

**Material Cost:** \$ 241,484

**Cost Savings:** \$ 201,950

**Significant Safety Issues:** None

**Significant QC Issues:** All the projects were constructed without project drawings and specifications. The challenge for quality control was to ensure construction met code and matched the existing construction that remained.

**Significant Design Issues:** All projects lacked drawings. Therefore the crew had to work with the existing conditions to make repairs.

**Significant Material Issues:** The vendor provided materials utilizing suppliers from many different countries. Communication challenges with these vendors/suppliers initially resulted in mismatched materials.



LEFT: Air Detachment Equipment Operator clears debris of Muzaffarabad University.  
 BOTTOM: Muzaffarabad University debris clearing near completion.



## DFT PAKISTAN JK5-905

**Project Data**

**Project Scope:** Provide disaster recovery assistance in the wake of 7.6-magnitude earthquake in Northern Pakistan. Primary tasking consisted of debris removal at local universities, schools and government facilities. Debris removal totaled more than 31,000 CY from 40 facilities at seven school campuses. Additionally, the Detachment participated in the “Adopt a Village” program providing 77 temporary shelters for community residents. The Air Detachment also provided debris removal and demolition of the village’s damaged school and subsequent construction of four Sea Huts for temporary classrooms.

<b>Personnel:</b>	100	
<b>Duration:</b>	October 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	3344
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	3344
	Total Project MD:	3344
<b>Material Cost:</b>	\$ 443,000	
<b>Cost Savings:</b>	\$ 1,170,400	

**Significant Safety Issues:**

**Significant QC Issues:**

**Significant Design Issues:**

**Significant Material Issues:**

# CAMP MAINTENANCE

**JK5-327**

<b>CAMP MAINTENANCE</b>	<b>MANDAYS TASKED</b>	<b>MANDAYS EXPENDED</b>
ESA / Work orders	1031	973
Preventive Maintenance	819	817
Specific Projects (MCD)	950	582
<b>TOTAL MANDAYS</b>	<b>2800</b>	<b>2372</b>

<b>SPECIFIC PROJECT (MCD)</b>	<b>TOTAL PER MD</b>
070-04 PATCH AND PAINT WALLS	49
072-04 PATCH AND PAINT WALLS	10
005-05 INSTALL TIE-DOWNS ROOF EXHAUST	4
069-04 PATCH AND PAINT WALLS	73
017-05 REBUILD SHELVING IN COLLATERAL	23
087-04 REPLACE BATHROOM TILE BLDG 7216	35
038-05 REPAIR KITCHEN DRAIN BLDG 6106	17
021-05 REPLACE CARPET 3M OFFICE	23
030-05 INSTALL EXHAUST FANS PHASE III	18
060-04 SIDEWALK REPLACEMENT	194
015-05 FRENCH DRAIN	39
023-05 CONSTRUCT DIP BARS	9
047-05 DENTAL REHAB (DRAIN)	17
015-05 FRENCH DRAIN FOR SOQ	39
046-05 MEDICAL DENTAL ELECTRICAL REHAB	14
073-04 REPAIR/PAINT B-CO RAILING	20
<b>TOTAL MCD MANDAYS</b>	<b>582</b>



Camp Maintenance crew member retrieves the broken pipe while repairing the Wardroom Galley Drain

# CO DISCRETIONARY

## JK5-518

PROJECT NUMBER	DESCRIPTION	MANDAYS
JK5-519-1	Modify TFS	42
JK5-519-2	Construct Fly Away Boxes	37
JK5-519-3	PT Stand for Grinder	12
JK5-519-4	Demo Building 3403 Kadena AFB	35
JK5-519-5	Fence Repair, Camp Shields	100
JK5-519-6	Camp Shields Sidewalk	74
<b>TOTAL OIC/CO DISCRETIONARY MANDAYS</b>		<b>300</b>



Crew Member prepares concrete channel for sealant. Completed exterior TFS sealant repairs.



Completed PT stand for the Grinder



Completed grinder sidewalk



Completed Camp Shields fence repair. Repairs were required after a car accident outside the gate damaged the fence

## LABOR DISTRIBUTION SUMMARY MAIN BODY OKINAWA

Month	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total	% Total
Direct Labor MDs <sup>1</sup>	528	1945	1562	1298	908	3084	1409	10734	67%
Indirect Labor MDs <sup>2</sup>	155	713	503	389	260	976	280	3276	21%
Readiness/Training	215	334	189	389	684	70	59	1939	12%
Total MDs Exp	898	2992	2254	2076	1851	4129	1748	15949	100%
# Total Personnel	406	416	406	406	482	451	437	N/A	
# Direct Labor	126	137	125	100	113	116	116	N/A	
# Workdays	14	21	22	21	22	31	12	143	
% Direct Labor <sup>3</sup>	31%	33%	31%	25%	23%	26%	27%	28%	
Ideal Capability <sup>4</sup>	1985	3237	3094	2363	2797	4046	1566	19086	
Availability Factor <sup>5</sup>	37%	70%	57%	71%	57%	78%	94%	66%	

**NOTES:**

1. Direct Labor MDs are mandays expended not earned.
2. Indirect Labor MDs are mandays spent on indirect activities by DL personnel.
3. % Direct Labor = (#Total Direct Labor for period)/(#Total Personnel)
4. MD Capability = (# Direct Labor personnel for period) x (# Workdays for period) x (1.125) x 1
5. AF (Efficiency Factor) = (Total Direct Labor Mandays for period)/(MD Capability)

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# **DETAIL ATSUGI**

## **PROJECT SUMMARIES**

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LEFT: The heavy timbers and steel beams of the roof structure are all in place.  
 BOTTOM: BU2 Melendez puts the finishing touches on the fascia board.



## Replace Golf Range Building AG1-870

**Project Data**

**Project Scope:** Construct a new single story 825sqft building on a reinforced concrete foundation. Project includes a concrete floor slab, a combination of masonry (CMU) and wood-framed walls, and asphalt-shingled roof. The facility will include men and women’s heads with associated utility work (water, power, and sewer).

<b>Personnel:</b>	6	
<b>Duration:</b>	December 2004 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	653
	NMCB 74:	600
<b>Tasking:</b>	WIP at Turnover:	62%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	440
	Total Project MD:	1093
<b>Material Cost:</b>	\$ 279,233	
<b>Cost Savings:</b>	\$ 382,550	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** The unique roof design, with heavy timbers and steel beams, required very close coordination with the design engineers to ensure correct construction.

**Significant Material Issues:** None



LEFT: SWCN Shue installs flashing after replacing the roof panels.  
 BOTTOM: The project was completed on 23 SEP 05.



## Renovate Office/Storage Areas, Building 617 AG1-876

**Project Data**

**Project Scope:** Renovate 3,350 SF office, storage, and bathroom spaces. Work includes repair of walls, floors, roofing, doors, windows, and bathroom stalls. In addition scope includes HVAC, plumbing, and electrical work.

**Personnel:** 7

**Duration:** December 2004 – September 2005

**Mandays Expended:** Previous Battalions: 812  
 NMCB 74: 407

**Tasking:** WIP at Turnover: 69%  
 WIP at Deployment Completion: 100%  
 MD Tasked to NMCB 74: 324  
 Total Project MD: 1136

**Material Cost:** \$ 290,075

**Cost Savings:** \$ 397,600

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** Faulty roof panel design allowed rainwater in, causing extensive interior damage. After redesign, panels were adjusted, flashing was replaced and interior rework was completed.

**Significant Material Issues:** None



LEFT: CECA Aguila and CE2 Marcewicz installing lights on the new poles.  
 BOTTOM: The project was completed on 16 SEP 05.



## Install Golf Range Lighting AG1-878

**Project Data**

**Project Scope:** Install floodlights for driving range and practice bunker area. In addition to the installation of underground wiring and roof-mounted floodlights, the project includes mounting a transformer, panel board, and accessories onto an existing pole.

<b>Personnel:</b>	5	
<b>Duration:</b>	June 2005 – September 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	85
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	130
	Total Project MD:	130
<b>Material Cost:</b>	\$ 71,399	
<b>Cost Savings:</b>	\$ 45,500	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** After starting, project was redesigned to mount lights on poles vice on roof.

**Significant Material Issues:** None



LEFT: CECN Tipton and CE2 Khale pull wire in newly installed conduit on King Street.  
 BOTTOM: Testing installed lights on Kamome Street.



## Install Street Lighting AG2-881

**Project Data**

**Project Scope:** Install streetlights at four separate locations. Project includes the installation of pole mounted streetlights, underground wiring, panel boards, and photocell controls.

<b>Personnel:</b>	3	
<b>Duration:</b>	October 2005 – January 2006	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	111
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	76%
	MD Tasked to NMCB 74:	147
	Total Project MD:	196
<b>Material Cost:</b>	\$ 126,472	
<b>Cost Savings:</b>	\$ 68,600	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None



LEFT: Demolition in progress.  
 BOTTOM: UT2 Mayhugh installs new pipes in the bathrooms.



## Renovate Building 75 AG3-890

**Project Data**

**Project Scope:** Renovate 2400sqft to create office spaces. Includes replacement of walls, flooring, and ceilings. Also includes associated electrical work and renovation of existing heads.

<b>Personnel:</b>	5	
<b>Duration:</b>	June 2005 – February 2006	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	532
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	50%
	MD Tasked to NMCB 74:	367
	Total Project MD:	556
<b>Material Cost:</b>	\$ 120,000	
<b>Cost Savings:</b>	\$ 194,600	

**Significant Safety Issues:** Extensive Asbestos Containing Material led to a project delay of 42 days during abatement.

**Significant QC Issues:** None

**Significant Design Issues:** Existing conditions different from what was indicated in the drawings led to extra demolition and re-construction of 8000 SF of interior walls, vice 2000 SF as designed.

**Significant Material Issues:** None



LEFT: Building 585 before the start of work.  
 BOTTOM: The project crew finishes demolition of the existing building.



## Construct Shop Building, NAPRA Bldg 966 AG4-895

**Project Data**

**Project Scope:** Construct a 40' x 80' pre-engineered building with reinforced concrete foundation and slab-on-grade. The building will ultimately house powder-coating equipment. Project includes installation of utilities (water, power, and sewer), HVAC, and fire alarm/suppression system.

<b>Personnel:</b>	5	
<b>Duration:</b>	June 2005 – July 2006	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	46
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	11%
	MD Tasked to NMCB 74:	148
	Total Project MD:	1247
<b>Material Cost:</b>	\$ 650,000	
<b>Cost Savings:</b>	\$ 436,450	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** Existing electrical utilities differed significantly from the drawings, requiring redesign. An existing steam line not located as on drawings required relocation of the building.

**Significant Material Issues:** None

## CAMP MAINTENANCE

### AG5-327

CAMP MAINTENANCE	MANDAYS TASKED	MANDAYS EXPENDED
ESA / Work orders	50	50
Preventive Maintenance	0	0
Specific Projects (MCD)	0	0
<b>TOTAL MANDAYS</b>	<b>50</b>	<b>50</b>

## OIC DISCRETIONARY

### AG5-518

PROJECT NUMBER	DESCRIPTION	MANDAYS
AG5-518-1	Repair drain behind Commissary	2
AG5-518-2	Shirley Lanham Elementary School Playground Renovation	84
AG5-518-3	Provide Power to Storage Buildings 41 and 42	6
<b>TOTAL OIC/CO DISCRETIONARY MANDAYS</b>		<b>92</b>



Renovated playground at Shirley Lanham Elementary School



New electrical run to Bldg 47 added power to a storage shed for MWR

## Labor Distribution Summary

### DETAIL ATSUGI

Month	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total	% Total
Direct Labor MDs <sup>1</sup>	174	295	288	331	362	372	248	2070	69%
Indirect Labor MDs <sup>2</sup>	123	88	115	66	64	140	62	658	22%
Readiness/Training	18	78	52	38	34	31	1	252	8%
<b>Total MDs Exp</b>	<b>315</b>	<b>461</b>	<b>455</b>	<b>435</b>	<b>460</b>	<b>543</b>	<b>311</b>	<b>2980</b>	<b>100%</b>
# Total Personnel	26	26	24	25	26	30	30	N/A	
# Direct Labor	20	20	18	18	19	23	23	N/A	
# Workdays	14	21	22	21	22	21	12	133	
% Direct Labor <sup>3</sup>	77%	75%	75%	72%	73%	77%	77%	75%	
Ideal Capability <sup>4</sup>	315	461	455	435	460	543	311	2980	
Availability Factor <sup>5</sup>	61%	81%	75%	85%	86%	74%	80%	78%	

**NOTES:**

1. Direct Labor MDs are mandays expended not earned.
2. Indirect Labor MDs are mandays spent on indirect activities by DL personnel.
3. % Direct Labor = (#Total Direct Labor for period)/(#Total Personnel)
4. MD Capability = (# Direct Labor personnel for period) x (# Workdays for period) x (1.125) x 1
5. AF (Efficiency Factor) = (Total Direct Labor Mandays for period)/(MD Capability)

Total Direct Labor Mandays for period is sum of Direct Labor Mandays and Readiness/Training Mandays



**DETAIL CAMP**  
**PENDLETON**  
**PROJECT SUMMARY**

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LEFT: Concrete placement for 2<sup>nd</sup> Floor of BLDG 3.  
 BOTTOM: Completed BLDGs 3 and 7.



## Construct Combat Town CP1-803

**Project Data**

**Project Scope:** Construct four CMU structures (Bldg's 3, 7, 8, & 9) and associated sidewalks/curbing at the School of Infantry at Camp Pendleton.

<b>Personnel:</b>	15
<b>Duration:</b>	AUGUST 2005 – December 2005
<b>Mandays Expended:</b>	Previous Battalions:
	NMCB 74: 1047
<b>Tasking:</b>	WIP at Turnover: 0%
	WIP at Deployment Completion: 100%
	MD Tasked to NMCB 74: 1127
	Total Project MD: 1127
<b>Material Cost:</b>	\$ 750,000
<b>Cost Savings:</b>	\$ 300,000

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None

## Labor Distribution Summary DETAIL CAMP PENDLETON

Month	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total	% Total
Direct Labor MDs <sup>1</sup>	0	0	15	323	354	343	63	1098	92%
Indirect Labor MDs <sup>2</sup>	0	0	0	0	0	0	0	0	0%
Readiness/Training	0	0	3	24	36	27	3	93	8%
Total MDs Exp	0	0	18	347	390	370	66	1191	100%
# Total Personnel	0	0	20	20	20	20	20	N/A	
# Direct Labor	0	0	5	15	15	15	15	N/A	
# Workdays	0	0	3	23	23	22	5	76	
% Direct Labor <sup>3</sup>			25%	75%	75%	75%	75%	65%	
Ideal Capability <sup>4</sup>	0	0	17	388	388	371	84	1249	
Availability Factor <sup>5</sup>			107%	89%	100%	100%	78%	95%	

NOTES:

1. Direct Labor MDs are mandays expended not earned.
2. Indirect Labor MDs are mandays spent on indirect activities by DL personnel.
3. % Direct Labor = (#Total Direct Labor for period)/(#Total Personnel)
4. MD Capability = (# Direct Labor personnel for period) x (# Workdays for period) x (1.125) x 1
5. AF (Efficiency Factor) = (Total Direct Labor Mandays for period)/(MD Capability)

Total Direct Labor Mandays for period is sum of Direct Labor Mandays and Readiness/Training Mandays

# **DETAIL CHINHAE**

## **PROJECT SUMMARIES**

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LEFT: Youth Center prior to construction.  
 BOTTOM: Completed Youth Center.



## CONSTRUCT YOUTH CENTER ADDITION KO4-841

**Project Data**

**Project Scope:** Construct a 20' x 77' addition to the existing Youth Center. Construction will be CMU block exterior walls and metal stud interior walls. Addition built on a half-slab on grade and half semi-basement storage area.

**Personnel:** 10

**Duration:** June 2005 – December 2005

**Mandays Expended:** Previous Battalions: 656  
 NMCB 74: 559

**Tasking:** WIP at Turnover: 54%  
 WIP at Deployment Completion: 100%  
 MD Tasked to NMCB 74: 559  
 Total Project MD: 1215

**Material Cost:** \$ 452,995

**Cost Savings:** \$ 425,250

**Significant Safety Issues:** Steel columns were installed to supplement the old load-bearing exterior walls since they were not core-filled.

**Significant QC Issues:** None

**Significant Design Issues:** Throughout construction, the crew lacked accurate drawings and specifications. As a result, multiple DCDs and FARs were required to clarify requirements. Additional activities were added as required due to changes from DCDs and FARs. These changes continued through out construction impeding the progress of the crew.

**Significant Material Issues:** The prime vendor and local suppliers required pictures and nomenclature to procure materials. Since the Prime Vendor was over four hours away from the job site, the detail experienced poor responsiveness in material procurement; particularly with respect to short fused requirements and Add-on BMs.



LEFT: Site prior to construction, SEP 05.  
 BOTTOM: Site at turnover, DEC 05



## CONSTRUCT 120-MAN OPEN BAY BARRACKS KO5-844

**Project Data**

**Project Scope:** Construct 40' x 80' pre-engineered two-story open bay barracks. Includes HVAC system, common head with showers (both floors) and common laundry facility (first floor). Structure consists of steel frame erected on a 6"-thick reinforced concrete slab, metal roof, metal siding, and exterior insulation finish system (EIFS). Project includes landscaping around the barracks. Clearing and grubbing will be accomplished by contract.

<b>Personnel:</b>	4	
<b>Duration:</b>	September 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	630
<b>Tasking:</b>	WIP at Turnover:	31%
	WIP at Deployment Completion:	31%
	MD Tasked to NMCB 74:	630
	Total Project MD:	2000
<b>Material Cost:</b>	\$ 488,888	
<b>Cost Savings:</b>	\$ 700,000	

**Significant Safety Issues:** A temporary retaining wall was required for cave-in protection. This wall was constructed by a contractor prior to the start of construction of the permanent retaining wall.

**Significant QC Issues:** None

**Significant Design Issues:** The project lacked accurate retaining wall and building designs.

**Significant Material Issues:** The prime vendor and local suppliers required pictures and nomenclature to procure materials. Since the Prime Vendor was over four hours away from the job site, the detail experienced poor responsiveness in material procurement; particularly with respect to short fused requirements and Add-on BMs.



# CAMP MAINTENANCE

## KO5-327

CAMP MAINTENANCE	MANDAYS TASKED	MANDAYS EXPENDED
ESA / Work orders	25	25
Preventive Maintenance	0	0
Specific Projects (MCD)	0	0
<b>TOTAL MANDAYS</b>	<b>25</b>	<b>25</b>



BU3 Ruiz paints Crew Office



BU3 Ruiz touches up trim in Crew Office

# OIC DISCRETIONARY

## KO5-519

PROJECT NUMBER	DESCRIPTION	MANDAYS
KO5-519-1	CHANGE OF COMMAND PREPARATIONS	19
KO5-519-2	CONSTRUCT STEPS FOR CFAC GALLEY	28
KO5-519-3	US EMBASSY SEOUL TASKING	25
<b>TOTAL OIC/CO DISCRETIONARY MANDAYS</b>		<b>72</b>



Galley Step Forms



Galley Step Placement

## Labor Distribution Summary DETAIL CHINHAE

Month	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total	% Total
Direct Labor MDs <sup>1</sup>	16	85	243	303	178	224	0	1049	58%
Indirect Labor MDs <sup>2</sup>	85	142	85	0	100	163	0	574	32%
Readiness/Training	53	21	19	29	29	23	0	174	10%
Total MDs Exp	154	248	347	332	307	410	0	1797	100%
# Total Personnel	14	14	19	19	19	19	19	N/A	
# Direct Labor	11	11	14	12	13	14	14	N/A	
# Workdays	13	21	22	21	21	26	0	124	
% Direct Labor <sup>3</sup>	75%	75%	74%	63%	68%	74%	74%	72%	
Ideal Capability <sup>4</sup>	154	248	347	284	307	410	0	1748	
Availability Factor <sup>5</sup>	45%	43%	76%	117%	67%	60%		70%	

NOTES:

1. Direct Labor MDs are mandays expended not earned.
2. Indirect Labor MDs are mandays spent on indirect activities by DL personnel.
3. % Direct Labor = (#Total Direct Labor for period)/(#Total Personnel)
4. MD Capability = (# Direct Labor personnel for period) x (# Workdays for period) x (1.125) x 1
5. AF (Efficiency Factor) = (Total Direct Labor Mandays for period)/(MD Capability)

Total Direct Labor Mandays for period is sum of Direct Labor Mandays and Readiness/Training Mandays

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# **DETAIL DIEGO GARCIA**

## **PROJECT SUMMARIES**

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LEFT: Placing concrete for final end wall of K-Span #2.

BOTTOM: View from front overhead door of completed K-Span #2



## CONSTRUCT 1<sup>ST</sup> AND 2<sup>ND</sup> 40' X 100' K-SPANS DG3-832

**Project Data**

**Project Scope:** Construct two 40' x 100' K-spans on concrete slab, including electrical feed, fixtures, fencing, and roll-up doors. Remaining activities include installing two personnel doors, one roll-up door, insulation in the end walls, and placing concrete for one end wall.

<b>Personnel:</b>	4	
<b>Duration:</b>	June 2005 – July 2005	
<b>Mandays Expended:</b>	Previous Battalions:	1211
	NMCB 74:	124
<b>Tasking:</b>	WIP at Turnover:	91%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	124
	Total Project MD:	1335
<b>Material Cost:</b>	\$ 167,459	
<b>Cost Savings:</b>	\$ 467,250	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None



LEFT: Crew placing concrete for stairwell leading to sundeck.  
 BOTTOM: Side view of completed CPO Lounge project.



## CONSTRUCT LOUNGE/REC AREA BEQ 6/7 DG3-835

**Project Data**

**Project Scope:** Construct a single story 40' x 25' concrete building including head, sundeck, and interior/exterior finish. Strip roof formwork, construct stairs, place sidewalk, and complete other remaining construction activities.

<b>Personnel:</b>	8		
<b>Duration:</b>	June 2005 – November 2005		
<b>Mandays Expended:</b>	Previous Battalions:	657	
	NMCB 74:	579	
<b>Tasking:</b>	WIP at Turnover:	49%	
	WIP at Deployment Completion:	100%	
	MD Tasked to NMCB 74:	556	
	Total Project MD:	1098	
<b>Material Cost:</b>	\$ 106,624		
<b>Cost Savings:</b>	\$ 334,300		

**Significant Safety Issues:** None

**Significant QC Issues:** The detail expended numerous mandays were expended cleaning and repairing existing concrete construction and block work.

**Significant Design Issues:** Numerous changes were made to the layout and to the utilities within the building.

**Significant Material Issues:** Several materials did not match the same sizes or characteristics of materials called for in drawings. Additionally, materials for subcontracted work by DG-21 must be ordered by the Detail on the BM even though not actually accomplished by the detail. Materials required should be coordinated with DG-21.





LEFT: Crew placing concrete for concrete footers.  
 BOTTOM: Side view of PEB with partially completed roof sheathing.



## CONSTRUCT OPEN STORAGE SHED FACILITY 746 DG3-833

**Project Data**

**Project Scope:** Construct a 40' x 280' pre-engineered building to include a 5' x 280' concrete ramp. No utilities or electrical components are included in the new structure.

<b>Personnel:</b>	10	
<b>Duration:</b>	June 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	878
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	95%
	MD Tasked to NMCB 74:	917
	Total Project MD:	917
<b>Material Cost:</b>	\$ 156,176	
<b>Cost Savings:</b>	\$ 320,950	

**Significant Safety Issues:** None

**Significant QC Issues:** Error in measurements of spacing for corner columns resulted in minor adjustments to purlins and girders.

**Significant Design Issues:** Error in drawings for bolt location for wind-post footers resulted in removal and replacement of all six wind-post footers.

**Significant Material Issues:** None



LEFT: Crew finishing pad of sail storage room in new Marina building..  
 BOTTOM: Front view of Marina site with metal stud walls and partial completion of CMU block at sail storage room.



## CONSTRUCT MARINA DG4-851

**Project Data**

**Project Scope:** Demo existing Marina and construct a 40' x 50' metal frame and CMU building with drywall, interior and plywood exterior.

<b>Personnel:</b>	6	
<b>Duration:</b>	August 2005 – March 2006	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	354
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	50%
	MD Tasked to NMCB 74:	397
	Total Project MD:	793
<b>Material Cost:</b>	\$ 148,081	
<b>Cost Savings:</b>	\$ 277,550	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** Floor joist spacing was too great at several spans resulting in sagging and bouncing of floor. Intermediate footers were added to shorten span and stiffen floor joist members.

**Significant Material Issues:** None

# CAMP MAINTENANCE

## DG5-327

CAMP MAINTENANCE	MANDAYS TASKED	MANDAYS EXPENDED
ESA / Work orders	0	0
Preventive Maintenance	0	0
Specific Projects (MCD)	30	30
<b>TOTAL MANDAYS</b>	<b>30</b>	<b>30</b>

SPECIFIC PROJECT (MCD)	TOTAL MDS
Erect MLO Shelving Units	10
Construct Entrance Canopies at Detail Office Space	20
<b>TOTAL MCD MANDAYS</b>	<b>30</b>



Rear entrance prior to canopy placement



Front entrance with new canopy and guttering



Assembled storage racks

# OIC DISCRETIONARY

## DG5-318

PROJECT LISTING	MANDAYS EXPENDED
CONSTRUCT PAVILION AT SMALL ARMS RANGE	70
<b>TOTAL MANDAYS</b>	<b>70</b>



Compaction of sub-base for pavilion pad.



Finishing concrete pad for pavilion.



Completed Pavilion.

## Labor Distribution Summary DETAIL DIEGO GARCIA

Month	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total	% Total
Direct Labor MDs <sup>1</sup>	218	333	402	366	327	372	270	2288	84%
Indirect Labor MDs <sup>2</sup>	14	33	29	30	40	27	18	191	7%
Readiness/Training	40	37	36	45	26	40	28	252	9%
<b>Total MDs Exp</b>	<b>272</b>	<b>403</b>	<b>467</b>	<b>441</b>	<b>393</b>	<b>439</b>	<b>316</b>	<b>2731</b>	<b>100%</b>
# Total Personnel	26	26	26	26	24	26	26	N/A	
# Direct Labor	20	20	20	20	18	20	20	N/A	
# Workdays	13	20	21	20	20	20	12	126	
% Direct Labor <sup>3</sup>	77%	77%	77%	77%	75%	77%	77%	77%	
Ideal Capability <sup>4</sup>	293	450	473	450	405	450	270	2790	
Availability Factor <sup>5</sup>	88%	82%	93%	91%	87%	92%	110%	91%	

**NOTES:**

1. Direct Labor MDs are mandays expended not earned.
2. Indirect Labor MDs are mandays spent on indirect activities by DL personnel.
3. % Direct Labor = (#Total Direct Labor for period)/(#Total Personnel)
4. MD Capability = (# Direct Labor personnel for period) x (# Workdays for period) x (1.125) x 1
5. AF (Efficiency Factor) = (Total Direct Labor Mandays for period)/(MD Capability)

Total Direct Labor Mandays for period is sum of Direct Labor Mandays and Readiness/Training Mandays

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# **DETAIL FUJI**

## **PROJECT SUMMARIES**

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LEFT: Crew setting top poles in place as tower is being constructed on its side.  
 BOTTOM: Tower erected in place.



## CONSTRUCT RAPPELLING TOWER FJ5-817

**Project Data**

**Project Scope:** Construct a 5m x 5m x 10.5m wooden rappelling tower including staircases, three platforms, and sheeting on two sides. For planning and estimating purposes, use Iwakuni design from “IW4-810, Construct Fire Station Training Tower”. Footing design expected to change but aboveground structure will remain the same.

<b>Personnel:</b>	5.5	
<b>Duration:</b>	July 2005 – October 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	400
<b>Tasking:</b>	WIP at Turnover:	0 %
	WIP at Deployment Completion:	100 %
	MD Tasked to NMCB 74:	400
	Total Project MD:	400
<b>Material Cost:</b>	\$ 130,000	
<b>Cost Savings:</b>	\$ 140,000	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** Original design only specified for 1 out of 4 sides of tower structure to have diagonal bracing. After experiencing difficulty with first lifting operation of the tower, a FAR was submitted to add temporary diagonal bracing to support tower structure during second crane lift. Added diagonal bracing proved to be the solution. Tower was lifted with no difficulty on second lift.

**Significant Material Issues:** None



LEFT: Crew placing concrete for goal post.  
 BOTTOM: Project completion at 100%



## REPAIR OUTDOOR BASKETBALL COURT FJ4-816

**Project Data**

**Project Scope:** Construct a new outdoor basketball facility for MCCS Camp Fuji. Construction tasking includes removal of existing concrete court and overhead electrical, installation of new asphalt court with new fencing and lighting system.

**Personnel:** 4

**Duration:** June 2005 – July 2005

**Mandays Expended:** Previous Battalions: 406  
 NMCB 74: 10

**Tasking:** WIP at Turnover: 93.7 %  
 WIP at Deployment Completion: 100 %  
 MD Tasked to NMCB 74: 11  
 Total Project MD: 413

**Material Cost:** \$ 300,000

**Cost Savings:** \$ 144,550

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None

# CAMP MAINTENANCE

## FJ5-327

<b>CAMP MAINTENANCE</b>	<b>MANDAYS TASKED</b>	<b>MANDAYS EXPENDED</b>
ESA / Work orders	0	0
Preventive Maintenance	0	0
Specific Projects (MCD)	50	0
<b>TOTAL MANDAYS</b>	<b>50</b>	<b>0</b>

<b>SPECIFIC PROJECT (MCD)</b>	<b>TOTAL MDS</b>
Construct Fence	50
<b>TOTAL MCD MANDAYS</b>	<b>50</b>



Installation of the fence posts



Installation of chain link fencing.



Completed fence with barbed wire.

# OIC DISCRETIONARY

## FJ5-519

PROJECT NUMBER	DESCRIPTION	MANDAYS
FJ5-519	Construct Loading Ramp	40
FJ5-519	Construct Supply Office	14
FJ5-519	Construct Tower Landing Area	30
FJ5-519	Construct Chapel Closet	17
FJ5-519	Construct Dog Compound	15
<b>TOTAL OIC/CO DISCRETIONARY MANDAYS</b>		<b>116</b>



Crewmember cutting rebar for the loading ramp.



Crewmember rolling the loading ramp.



Completed loading ramps.

## Labor Distribution Summary

### DETAIL FUJI

Month	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total	% Total
Direct Labor MDs <sup>1</sup>	48	85	75	124	115	59	0	505	52%
Indirect Labor MDs <sup>2</sup>	48	70	124	33	35	72	0	381	39%
Readiness/Training	12	17	20	11	12	11	0	83	9%
Total MDs Exp	108	172	219	168	162	142	0	969	100%
# Total Personnel	10	10	10	10	10	9	9	N/A	
# Direct Labor	6	6	6	6	6	6	6	N/A	
# Workdays	11	22	25	21	23	21	0	123	
% Direct Labor <sup>3</sup>	55%	55%	55%	55%	55%	61%	0%	48%	
Ideal Capability <sup>4</sup>	68	136	155	130	142	130	0	761	
Availability Factor <sup>5</sup>	88%	75%	61%	104%	89%	54%	0%	77%	

**NOTES:**

1. Direct Labor MDs are mandays expended not earned.
2. Indirect Labor MDs are mandays spent on indirect activities by DL personnel.
3. % Direct Labor = (#Total Direct Labor for period)/(#Total Personnel)
4. MD Capability = (# Direct Labor personnel for period) x (# Workdays for period) x (1.125) x 1
5. AF (Efficiency Factor) = (Total Direct Labor Mandays for period)/(MD Capability)

Total Direct Labor Mandays for period is sum of Direct Labor Mandays and Readiness/Training Mandays

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# **DETAIL IWAKUNI**

## **PROJECT SUMMARIES**

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LEFT: Seabees finish concrete handicap ramps with magnesium floats.  
 BOTTOM: Evidence of the completed project.



## CONSTRUCT HANDICAP RAMPS (PHASE III) IW3-803

**Project Data**

**Project Scope:** Remove existing curb blocks and concrete sidewalks. Construct new handicap-accessible ramps at twenty locations. Restore asphalt pavement and landscaping disturbed by construction to original conditions.

<b>Personnel:</b>	3	
<b>Duration:</b>	September 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	73
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	202
	Total Project MD:	202
<b>Material Cost:</b>	\$ 8,862	
<b>Cost Savings:</b>	\$ 70,700	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None



LEFT: The entire crew received whirly-bird operator training as they finished the concrete floor slab.  
 BOTTOM: The completed project.



## CONSTRUCT X-RAY SCREENING ROOM IW4-809

**Project Data**

**Project Scope:** Construct a 26sqm concrete addition to accommodate an x-ray screening facility at the front gate. Remove existing fencing and canopy. Construct new reinforced slab-on-grade, walls and tile roof. Install metal studs, insulation, gypsum board sheeting, and metal doors. Prepare electrical service as required. Paint interior and exterior. Grade and sod all disturbed areas.

<b>Personnel:</b>	5	
<b>Duration:</b>	August 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	277
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	302
	Total Project MD:	302
<b>Material Cost:</b>	\$ 59,031	
<b>Cost Savings:</b>	\$ 105,700	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** Unforeseen site conditions included the presence of two concrete box culverts (1.5m x 1.5m, 250 mm thick) that ran directly under site. A FAR was approved to modify footers to allow construction to continue.

**Significant Material Issues:** None



LEFT: Project was taken over at 50% complete with CMU block walls in place.  
 BOTTOM: The completed project.



## CONSTRUCT TIRE STORAGE FACILITY FOR MOTOR-T IW5-814

**Project Data**

**Project Scope:** Construct a 5m x 15m storage facility. Includes masonry (CMU) walls, metal roof with gutters, a pedestrian door, and a set of double doors. Relocate existing ballast box for floodlight and extend existing wiring and conduit to new location. Prepare for and apply paint to match existing. Remaining activities include placing the concrete columns and bond beam, constructing the roof, installing the metal doors, installing U-ditches, adjusting nearby manhole to finished grade and completing all interior / exterior finish work.

<b>Personnel:</b>	5	
<b>Duration:</b>	February 2005 – September 2005	
<b>Mandays Expended:</b>	Previous Battalions:	242
	NMCB 74:	322
<b>Tasking:</b>	WIP at Turnover:	50%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	241
	Total Project MD:	485
<b>Material Cost:</b>	\$ 54,352	
<b>Cost Savings:</b>	\$ 169,750	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None



LEFT: Project tasking included the removal of an existing canopy, done with the assistance from the base Facilities' crane division.  
 BOTTOM: The finished product, relocated and refurbished.



## RELOCATE STEEL CANOPY FOR ENVIRONMENTAL IW5-815

**Project Data**

**Project Scope:** Relocate an existing steel canopy from Bldg. 1490 to a new site at Bldg. 1510. Remove existing steel canopy and demolish existing concrete slab and sidewalk. Construct a new foundation, concrete slab-on-grade, and sidewalk. Erect canopy and paint. Install new fence and repair gate.

<b>Personnel:</b>	5								
<b>Duration:</b>	June 2005 – August 2005								
<b>Mandays Expended:</b>	<table border="0" style="margin-left: 20px;"> <tr> <td>Previous Battalions:</td> <td>0</td> </tr> <tr> <td>NMCB 74:</td> <td>172</td> </tr> </table>	Previous Battalions:	0	NMCB 74:	172				
Previous Battalions:	0								
NMCB 74:	172								
<b>Tasking:</b>	<table border="0" style="margin-left: 20px;"> <tr> <td>WIP at Turnover:</td> <td>0%</td> </tr> <tr> <td>WIP at Deployment Completion:</td> <td>100%</td> </tr> <tr> <td>MD Tasked to NMCB 74:</td> <td>201</td> </tr> <tr> <td>Total Project MD:</td> <td>201</td> </tr> </table>	WIP at Turnover:	0%	WIP at Deployment Completion:	100%	MD Tasked to NMCB 74:	201	Total Project MD:	201
WIP at Turnover:	0%								
WIP at Deployment Completion:	100%								
MD Tasked to NMCB 74:	201								
Total Project MD:	201								
<b>Material Cost:</b>	\$ 17,200								
<b>Cost Savings:</b>	\$ 70,350								

**Significant Safety Issues:** None

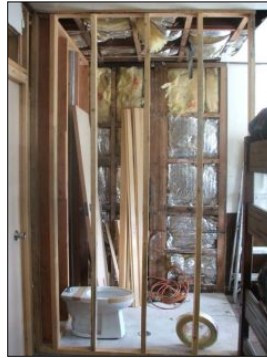
**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None



LEFT: A confined work site prompted the use of power tools outside Bldg 743.  
 BOTTOM: The project underway and complete.



## CONSTRUCT RESTROOM AT BLDG 743 IW5-816

**Project Data**

**Project Scope:** Construct a female head within an existing building. The project includes demolition, plumbing, ventilation, and electrical work.

<b>Personnel:</b>	2	
<b>Duration:</b>	September 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	68
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	118
	Total Project MD:	118
<b>Material Cost:</b>	\$ 5,435	
<b>Cost Savings:</b>	\$ 41,300	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None

# CAMP MAINTENANCE

## IW5-327

<b>CAMP MAINTENANCE</b>	<b>MANDAYS TASKED</b>	<b>MANDAYS EXPENDED</b>
ESA / Work orders	15	9
Preventive Maintenance	10	12
Specific Projects (MCD)	0	4
<b>TOTAL MANDAYS</b>	<b>25</b>	<b>25</b>

<b>SPECIFIC PROJECT (MCD)</b>	<b>TOTAL MDS</b>
Rehabilitate Camp Radiator Covers	4
<b>TOTAL MCD MANDAYS</b>	<b>4</b>



The camp facility's radiator covers were stripped and repainted.



A Seabee places a rehabilitated radiator cover in the OIC's office.

# OIC DISCRETIONARY

## IW5-519

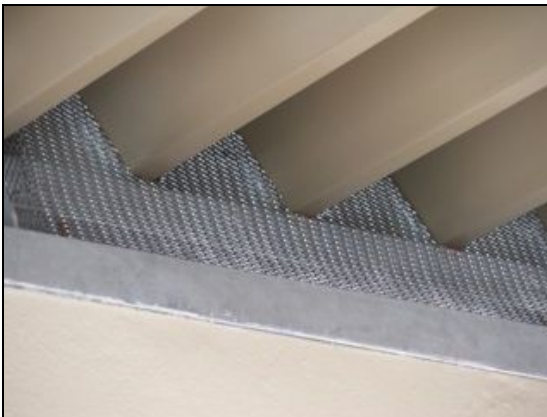
PROJECT NUMBER	DESCRIPTION	MANDAYS
IW5-519-1	BUILD MASS STORAGE PALLET FOR RECYCLE CENTER	2
IW5-519-2	REPLACE CLIMBING ROPES AT OBSTACLE COURSE	3
IW5-519-3	COMPLETE FIRE TOWER PUNCH LIST ITEMS	4
IW5-519-4	CONSTRUCT BIRD FENCING AT TIRE STORAGE FACILITY	8
IW5-519-5	CONSTRUCT SEVEN ADDITIONAL HANDICAP RAMPS	32
IW5-519-6	REMOVAL PILE OF STATION CONSTRUCTION DEBRIS	18
<b>TOTAL OIC/CO DISCRETIONARY MANDAYS</b>		<b>67</b>



New ropes were fabricated and placed on the Station's obstacle course.



A storage pallet was constructed for Recycling Division to hoist paper into their compactor



Pigeon fencing (x25m) was fabricated and installed at the Motor-T's tire storage facility.



Seabees removed a sizeable pile of debris that was remaining from previous the year's typhoon destruction.

## Labor Distribution Summary DETAIL IWAKUNI

Month	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total	% Total
Direct Labor MDs <sup>1</sup>	126	216	200	189	193	157	0	1081	79%
Indirect Labor MDs <sup>2</sup>	14	19	26	31	44	28	0	162	12%
Readiness/Training	17	23	14	37	26	7	0	124	9%
Total MDs Exp	157	258	240	257	263	192	0	1367	100%
# Total Personnel	17	17	18	18	18	17	17	N/A	
# Direct Labor	10	10	11	11	11	10	10	N/A	
# Workdays	14	23	23	21	23	20	12	136	
% Direct Labor <sup>3</sup>	59%	59%	61%	61%	61%	59%	59%	60%	
Ideal Capability <sup>4</sup>	158	259	285	260	285	225	135	1605	
Availability Factor <sup>5</sup>	91%	92%	75%	87%	77%	73%	0%	75%	

NOTES:

1. Direct Labor MDs are mandays expended not earned.
2. Indirect Labor MDs are mandays spent on indirect activities by DL personnel.
3. % Direct Labor = (#Total Direct Labor for period)/(#Total Personnel)
4. MD Capability = (# Direct Labor personnel for period) x (# Workdays for period) x (1.125) x 1
5. AF (Efficiency Factor) = (Total Direct Labor Mandays for period)/(MD Capability)

Total Direct Labor Mandays for period is sum of Direct Labor Mandays and Readiness/Training Mandays



# **DETAIL POHANG**

## **PROJECT SUMMARIES**

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LEFT: Block walls being installed on 11 October  
 BOTTOM: Building at 80% complete as of 22 November.



## Construct Co-ed Shower/Head Facility PK4-861

**Project Data**

**Project Scope:** Construct a 1,530 sqft coed head and laundry facility for 400 exercise personnel. Head includes 9 toilets, 4 urinals, 12 sinks, 8 showerheads, and a changing area. Laundry facilities include a concrete pad and utility connections to support an exercise laundry trailer. Design will facilitate open-air ventilation during the summer and will be capable of being heated during the winter.

**Personnel:** 13

**Duration:** June 2005 – December 2005

**Mandays Expended:** Previous Battalions: 0  
 NMCB 74: 824

**Tasking:** WIP at Turnover: 0%  
 WIP at Deployment Completion: 79%  
 MD Tasked to NMCB 74: 960  
 Total Project MD: 1200

**Material Cost:** \$ 125,074

**Cost Savings:** \$ 420,000

**Significant Safety Issues:** Due to intense construction on base pedestrians and drivers must exercise extreme caution while traversing camp.

**Significant QC Issues:** Camp Mujuk lacks ROICC oversight. Additionally, locally purchased materials require modifications to marry with US purchased materials.

**Significant Design Issues:** Current Project plans are incomplete and do not match actual dimensions for the structure. Three different sets of prints are utilized (prints from PK3-854, PK4-861, and Dongbu Steel (PEB Division)). This resulted in many FAR's and RFI's which took many days to be answered due to the lack of local ROICC oversight.

**Significant Material Issues:** Materials are obtained through a local vendor, a prime vendor, and various other shops and stores. Language barrier makes ordering without a translator nearly impossible. The detail relied greatly on the Marine interpreter. The prime vendor needed constant reminders and prodding to ensure timely delivery of materials. Electrical panel was ordered to U.S. specs; the panel that was delivered was Korean. Panel had to be reordered.



LEFT: Crew is placing cooking equipment.  
 BOTTOM: Harvest Eagle Galley complete.



## ULCHI FOCUS LENS '05, HARVEST EAGLE GALLEY SUPPORT PK5-677

**Project Data**

**Project Scope:** Erect and tear down galley facility for Ulchi Focus Lens '05 Exercise. Work included erecting 3 temper tents, installation of all lighting fixtures, drainage lines, 2 A/C units., A and B panel, and all cooking equipment.

<b>Personnel:</b>	10	
<b>Duration:</b>	August 2005 – September 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	73
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	90
	Total Project MD:	90
<b>Material Cost:</b>	\$ 0	
<b>Cost Savings:</b>	\$ 0	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** None



LEFT: Panel in the exercise marine facility that was rewired.

BOTTOM: New utility work in the laundry facility.



## Camp Mu Juk Maintenance and Repair PK5-325

**Project Data**

**Project Scope:** Provide Camp Maintenance and upkeep for Camp Mu Juk.

**Personnel:** 3 to 6

**Duration:** June 2005 – December 2005

**Mandays Expended:** Previous Battalions: 0  
NMCB 74: 183

**Tasking:** WIP at Turnover: 0%  
WIP at Deployment Completion: 100%  
MD Tasked to NMCB 74: 200  
Total Project MD: 183

**Material Cost:** \$ 11,782

**Cost Savings:** \$ 64,050

**Significant Safety Issues:** The wiring for the camp is not to code. Many buildings do not have GFCI protection. Some buildings have phases that are crossed. The entire Camp is under large-scale reconstruction.

**Significant QC Issues:** None

**Significant Design Issues:** Many of the copper lines are not insulated and have frozen in the past when the temperature drops.

**Significant Material Issues:** Materials are locally obtained. The Base Commander must approve all material requests. The turn around time for approval and delivery of materials is lengthy.

## Labor Distribution Summary DETAIL POHANG

Month	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total	% Total
Direct Labor MDs <sup>1</sup>	88	175	247	211	213	186	0	1119	57%
Indirect Labor MDs <sup>2</sup>	42	126	89	65	80	68	0	470	24%
Readiness/Training	20	55	66	73	89	77	0	381	19%
Total MDs Exp	150	355	402	350	382	330	0	1970	100%
# Total Personnel	23	23	24	24	25	25	9	N/A	
# Direct Labor	11	11	12	12	13	13	0	N/A	
# Workdays	9	23	26	21	21	21	0	121	
% Direct Labor <sup>3</sup>	48%	48%	50%	50%	52%	52%	0%	43%	
Ideal Capability <sup>4</sup>	111	285	351	284	307	307	0	1645	
Availability Factor <sup>5</sup>	97%	81%	89%	100%	98%	85%		91%	

NOTES:

1. Direct Labor MDs are mandays expended not earned.
2. Indirect Labor MDs are mandays spent on indirect activities by DL personnel.
3. % Direct Labor = (#Total Direct Labor for period)/(#Total Personnel)
4. MD Capability = (# Direct Labor personnel for period) x (# Workdays for period) x (1.125) x 1
5. AF (Efficiency Factor) = (Total Direct Labor Mandays for period)/(MD Capability)

Total Direct Labor Mandays for period is sum of Direct Labor Mandays and Readiness/Training Mandays

**DETAIL**

**SAN CLEMENTE ISLAND**

**PROJECT SUMMARIES**

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LEFT: Dozer placing sub base course down at beginning of phase.  
 BOTTOM: Section of AVMR completed.



## Construct SHOBA Operational Access Road (MILCON) SC2-815

**Project Data**

**Project Scope:** Reconstruct and re-pave SCI Ridge Road, re-grade the existing tracked vehicle trail, construct an extension of the tracked vehicle trail to SHOBA gate, and reconstruct and pave REWS Road. Project includes 31 miles of linear construction and 120 culverts.

<b>Personnel:</b>	18	
<b>Duration:</b>	June 2004 – May 2010	
<b>Mandays Expended:</b>	Previous Battalions:	2,825
	NMCB 74:	2,046
<b>Tasking:</b>	WIP at Turnover:	10%
	WIP at Deployment Completion:	17%
	MD Tasked to NMCB 74:	2,046
	Total Project MD:	27,536
<b>Material Cost:</b>	\$17,841,000	
<b>Cost Savings:</b>	\$1,225,000	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** Unforeseen site conditions below surface upon completion of clearing and grubbing operations.

**Significant Material Issues:** Actual shipment of material to/from San Diego is delayed due to use of barge as only vehicle to get materials to the island that are greater than 20 lbs.



LEFT: Early stage of Mid-Island Quarry development.  
 BOTTOM: Continued development of the Mid-Island Quarry.



## Quarry/Rock Crusher Operations SC5-413

**Project Data**

**Project Scope:** To crush 20,000 CY of ¾ inch minus and 4 inch minus mineral product for the MILCON road project, P-493. Develop and establish the Mid-Island quarry site for future crushing capabilities upon depletion of the Whale’s Point quarry.

**Personnel:** 12

**Duration:** June 2005 – December 2005

**Mandays Expended:** Previous Battalions: None

<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	1,487
	Total Project MD:	1,487

**Material Cost:** \$ See SC2-815

**Cost Savings:** \$ See SC2-815

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** Actual shipment of material to/from San Diego is delayed due to use of barge as only vehicle to get materials to the island that are greater than 20 lbs.



LEFT: Block wall prior to commencement of work.  
 BOTTOM: Completion of wall.



## MARSUP Facility Support SC4-820

**Project Data**

**Project Scope:** Provide construction support for SEAL Maritime Support Facility.

**Personnel:** 6

**Duration:** June 2005 – December 2005

**Mandays Expended:** Previous Battalions: None  
 Each detail is assigned a stand alone tasking

**Tasking:**

WIP at Turnover:	0%
WIP at Deployment Completion:	100%
MD Tasked to NMCB 74:	550
Total Project MD:	550

**Material Cost:** \$0

**Cost Savings:** \$0

**Significant Safety Issues:** None

**Significant QC Issues:** Previous construction practices of deployed units did not adhere to standard construction guidelines. Customer was highly satisfied with the end product. This project has no drawings or specifications associated with the project scope.

**Significant Design Issues:** None

**Significant Material Issues:** None

# CAMP MAINTENANCE

SC5-327

CAMP MAINTENANCE	MANDAYS TASKED	MANDAYS EXPENDED
ESA / Work orders	75	106
Preventive Maintenance	0	0
Specific Projects (MCD)	142	111
<b>TOTAL MANDAYS</b>	<b>217</b>	<b>217</b>

SPECIFIC PROJECT (MCD)	TOTAL MDS
Barracks Rehab	111
<b>TOTAL MCD MANDAYS</b>	<b>111</b>



Placing trim work for BEQ room.



Finished trim work for BEQ room.



Finished BEQ room.

# OIC DISCRETIONARY SC5-519

<b>PROJECT LISTING</b>	<b>MANDAYS EXPENDED</b>
Barge offload for Public Works	28
Ridge Road Repair	33
Barge offload for MILCON	19
Barge offload for MILCON	20
<b>TOTAL MANDAYS</b>	<b>100</b>



Public Works barge off load.



MILCON Road barge offload



Section one of Ridge Road Repair. 300 lf (before)



Section One of Ridge Road Repair. (after)



Section Two of Ridge Road Repair. 167 lf (before)



Section Two of Ridge Road Repair. (after)

## Labor Distribution Summary

### DETAIL SAN CLEMENTE

Month	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total	% Total
Direct Labor MDs <sup>1</sup>	461	826	758	599	751	616	168	4179	82%
Indirect Labor MDs <sup>2</sup>	15	20	34	95	40	19	30	253	5%
Readiness/Training	160	100	103	47	103	148	10	671	13%
Total MDs Exp	636	946	895	741	894	783	208	5103	100%
# Total Personnel	60	61	63	63	63	63	63	N/A	
# Direct Labor	42	42	40	40	40	40	40	N/A	
# Workdays	14	23	22	21	23	21	5	129	
% Direct Labor <sup>3</sup>	70%	69%	63%	63%	63%	63%	63%	65%	
Ideal Capability <sup>4</sup>	662	1087	990	945	1035	945	225	5888	
Availability Factor <sup>5</sup>	94%	85%	87%	68%	83%	81%	79%	82%	

**NOTES:**

1. Direct Labor MDs are mandays expended not earned.
2. Indirect Labor MDs are mandays spent on indirect activities by DL personnel.
3. % Direct Labor = (#Total Direct Labor for period)/(#Total Personnel)
4. MD Capability = (# Direct Labor personnel for period) x (# Workdays for period) x (1.125) x 1
5. AF (Efficiency Factor) = (Total Direct Labor Mandays for period)/(MD Capability)

Total Direct Labor Mandays for period is sum of Direct Labor Mandays and Readiness/Training Mandays

# **DETAIL SASEBO**

## **PROJECT SUMMARIES**

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LEFT: BUCN Shonewetter helps install roof insulation and panels using a manlift.  
 BOTTOM: Completed Sakibe Fire Station.



## CONSTRUCT PEB FIRE STATION, SAKIBE SA0-892

**Project Data**

**Project Scope:** Construct an 80' x 100' pre-engineered building for use as a Fire Station at Sakibe Landing Facility, near Sasebo, Japan. Construction tasking includes complete construction of the facility, including all electrical, mechanical, and all finish construction.

<b>Personnel:</b>	7	
<b>Duration:</b>	June 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	959
	NMCB 74:	550
<b>Tasking:</b>	WIP at Turnover:	49%
	WIP at Deployment Completion:	74%
	MD Tasked to NMCB 74:	531
	Total Project MD:	1947
<b>Material Cost:</b>	\$ 735,000	
<b>Cost Savings:</b>	\$ 681,450	

**Significant Safety Issues:** None

**Significant QC Issues:** Multiple rework items on existing work-in-place, including reinstallation of bolts, trim pieces, and structural elements as well as the necessity to paint the structure after erection added approximately 100 MDs to project. Inconsistencies in the grade beams required extensive alterations of the base angles and wall sheathing during installation.

**Significant Design Issues:** FAR was approved to lower floor height in the truck bays without taking into account the affect on pre-cut wall sheets. Additional sheets had to be procured to complete the wall installation.

**Significant Material Issues:** Funding constraints limited material procurement to ensure MILCON limits were not exceeded.



LEFT: Crewmembers BU3 Audie, BU3 Greenert, and SW3 Jacques guide one of fourteen columns in place.  
 BOTTOM: Completed mezzanine decking for the 2<sup>nd</sup> floor of the warehouse.



## CONSTRUCT 2<sup>ND</sup> FLOOR WAREHOUSE 303 SA3-818

**Project Data**

**Project Scope:** Construct a 13m wide by 40m long by 4m high mezzanine inside of Building 303. Mezzanine will have structural steel framing with a composite steel and concrete flooring system. The project will also include the installation of two stairways, a 1,000kg capacity electrical material hoist, wall-mounted ventilation fans, lights, and outlets. Project scope includes the installation of mechanical, electrical, and fire suppression systems.

<b>Personnel:</b>	4	
<b>Duration:</b>	July 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	141
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	85%
	MD Tasked to NMCB 74:	745
	Total Project MD:	876
<b>Material Cost:</b>	\$ 250,000	
<b>Cost Savings:</b>	\$ 89,600	

**Significant Safety Issues:** None

**Significant QC Issues:** Exterior door did not close properly due to incorrect dimensions. The issue was resolved with the manufacturer. One section of steel decking slightly higher due to irregularities in the manufactured structural steel. The exterior angle was adjusted to proper elevation to ensure concrete floor will be level.

**Significant Design Issues:** Design of wall between new and old mezzanines did not meet customer requirements, necessitating a redesign.

**Significant Material Issues:** Structural steel was not available until 20 JUL, resulting in over a month of lost project time.



LEFT: Crewmembers work to excavate the existing stone retaining wall.

BOTTOM: Finished retaining wall.



## REPAIR RETAINING WALL, HARIO-SHIMA BAY 3012 SA3-824

**Project Data**

**Project Scope:** Remove existing 60-m x 1.5-m Kenchi block wall. Construct cast-in-place reinforced concrete retaining wall, 60-m long by 1.5-m high, on concrete footing. Place erosion control materials and plants on slopes.

<b>Personnel:</b>	4	
<b>Duration:</b>	June 2005 – November 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	400
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	393
	Total Project MD:	393
<b>Material Cost:</b>	\$ 117,156	
<b>Cost Savings:</b>	\$ 140,000	

**Significant Safety Issues:** Side-dumping dump truck overturned on its side during dumping operations. Side dumping no longer allowed due to incident.

**Significant QC Issues:** None

**Significant Design Issues:** None

**Significant Material Issues:** The materials ordered through Supply Core were not delivered in a timely manner. Three months after the order was placed, the materials still had not been delivered. As a result of this delay, the detail procured the materials locally to finish project.



LEFT: Yokose crew works to place concrete for the upper section of roadway.  
 BOTTOM: Completed roadway.



## REPAIR YOKOSE ACCESS ROAD SA3-825

**Project Data**

**Project Scope:** Remove 180 linear meters of existing concrete/asphalt road and ditches. Prepare 200-cm thick road base and place 180-cm thick reinforced concrete roadway. Install new wires of existing pole systems. Place erosion control materials and plants on slopes.

<b>Personnel:</b>	6	
<b>Duration:</b>	June 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	401
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	100%
	MD Tasked to NMCB 74:	567
	Total Project MD:	567
<b>Material Cost:</b>	\$ 275,000	
<b>Cost Savings:</b>	\$ 140,350	

**Significant Safety Issues:** Excessive slope on downhill roadway and became extremely slippery when wet, leading to one vehicle mishap.

**Significant QC Issues:** None

**Significant Design Issues:** Redesign of reinforcement for roadway led to delay in material delivery and project completion.

**Significant Material Issues:** The contracted relocation of the light pole on the downhill slope delayed work for several weeks on that section of roadway.



LEFT: QC, BU1 Fiser, checks clearances in one of twenty-four footers while the Project Supervisor, BU2 Celaya looks on.

BOTTOM: Completed concrete foundation.



## CONSTRUCT AKASAKI PEB SA4-829

### Project Data

**Project Scope:** Construct 140ft x 11ft pre-engineered metal building (PEB) in accordance with manufacturer's printed instructions. Install reinforced concrete floor slab, foundation, access ramps, roll-up doors, personnel doors, windows, interior lighting fixtures, interior outlets, and exterior water line with faucet.

<b>Personnel:</b>	8	
<b>Duration:</b>	July 2005 – October 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	522
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	51%
	MD Tasked to NMCB 74:	571
	Total Project MD:	571
<b>Material Cost:</b>	\$ 700,000	
<b>Cost Savings:</b>	\$ 182,700	

**Significant Safety Issues:** None

**Significant QC Issues:** Two pedestals had to be replaced due to voids.

**Significant Design Issues:** None

**Significant Material Issues:** Materials ordered through Supply Core delivered three months late. PEB from Butler delivered six weeks after promised delivery date.

## CAMP MAINTENANCE

### SA5-327

CAMP MAINTENANCE	MANDAYS TASKED	MANDAYS EXPENDED
ESA / Work orders	40	60
Preventive Maintenance	10	12
Specific Projects (MCD)	0	0
<b>TOTAL MANDAYS</b>	<b>50</b>	<b>72</b>



Completed landscaping in front of Det spaces, Bldg. 319.

## OIC DISCRETIONARY

### SA5-519

PROJECT NUMBER	DESCRIPTION	MANDAYS
SA5-519-1	CONSTRUCT CONCRETE PATIO AT HARBOR VIEW	35
SA5-519-2	DEMO PATIO AT HARBOR VIEW	7
SA5-519-3	CONSTRUCT PULLUP BAR AT DEVIL DOG PARK	8
<b>TOTAL OIC/CO DISCRETIONARY MANDAYS</b>		<b>50</b>

## Labor Distribution Summary DETAIL SASEBO

Month	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total	% Total
Direct Labor MDs <sup>1</sup>	209	455	442	460	540	534	287	2927	67%
Indirect Labor MDs <sup>2</sup>	89	178	203	170	178	162	97	1077	25%
Readiness/Training	37	40	102	28	67	76	4	354	8%
Total MDs Exp	335	673	747	658	785	772	388	4358	100%
# Total Personnel	37	37	37	37	38	38	38	N/A	
# Direct Labor	28	28	28	28	29	29	29	N/A	
# Workdays	11	20	22	19	21	20	12	125	
% Direct Labor <sup>3</sup>	76%	76%	76%	76%	76%	76%	76%	76%	
Ideal Capability <sup>4</sup>	347	630	693	599	685	653	392	3997	
Availability Factor <sup>5</sup>	71%	79%	78%	82%	89%	93%	74%	82%	

**NOTES:**

1. Direct Labor MDs are mandays expended not earned.
2. Indirect Labor MDs are mandays spent on indirect activities by DL personnel.
3. % Direct Labor = (#Total Direct Labor for period)/(#Total Personnel)
4. MD Capability = (# Direct Labor personnel for period) x (# Workdays for period) x (1.125) x 1
5. AF (Efficiency Factor) = (Total Direct Labor Mandays for period)/(MD Capability)

Total Direct Labor Mandays for period is sum of Direct Labor Mandays and Readiness/Training Mandays

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# **DETAIL YOKOSUKA**

## **PROJECT SUMMARIES**

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LEFT: Completed concrete pad.  
 BOTTOM: Completed installation of concrete pad, generator and fencing.



## INSTALL EMERGENCY GENERATORS YO2-877

**Project Data**

**Project Scope:** Install three diesel emergency backup generators at the Ikego, Hakozaki, and Taura fire stations. The generators are to provide power to the fire station electrical system in the event of a power outage.

<b>Personnel:</b>	6.5	
<b>Duration:</b>	August 2005 – December 2005	
<b>Mandays Expended:</b>	Previous Battalions:	0
	NMCB 74:	333
<b>Tasking:</b>	WIP at Turnover:	0%
	WIP at Deployment Completion:	80%
	MD Tasked to NMCB 74:	400
	Total Project MD:	500
<b>Material Cost:</b>	\$ 524,066	
<b>Cost Savings:</b>	\$140,000	

**Significant Safety Issues:** None

**Significant QC Issues:** None

**Significant Design Issues:** The prints that NMCB 74 received in homeport to P and E for this project were out dated prints. Once the detail arrived in Yokosuka, current prints were received that included many design changes. Throughout construction, additional changes were encountered to include many unforeseen conditions such as the presence of asbestos and lead paint that were not identified on the prints.

**Significant Material Issues:** The material was ordered and onsite when we arrived in Yokosuka. Design changes created the need to order additional materials, which slowed production.

# CAMP MAINTENANCE

## YO5-300

CAMP MAINTENANCE	MANDAYS TASKED	MANDAYS EXPENDED
ESA / Work orders	0	0
Preventive Maintenance	0	0
Specific Projects (MCD)	109	109
<b>TOTAL MANDAYS</b>	<b>109</b>	<b>109</b>

SPECIFIC PROJECT (MCD)	TOTAL MDS
Detail spaces renovation: including walls, carpet, and electrical and light fixtures.	109
<b>TOTAL MCD MANDAYS</b>	<b>109</b>



Floor of Office



Carpet install in office



Construct Walls



Completed walls



Installing carpet for Conference Room



Completed Conference Room

# OIC DISCRETIONARY

## YO5-500

PROJECT NUMBER	DESCRIPTION	MANDAYS
YO5-800-1	PSD CHAIN OF COMMAND BOARD	4
YO5-800-2	EOD BOARD	6
YO5-800-3	PAW BLDG 1260 RENOVATION (INSIDE)	37
YO5-800-4	BOARD WALK	5
YO5-800-5	IKEGO FIRE DEPARTMENT PATIO	18
YO5-800-6	IKEGO FIRE DEPARTMENT SIDEWALK	30
YO5-800-7	B49 PRESERVATION	12
YO5-800-8	GAZEBO AND CONCRETE SLAB FOR BLDG 3333	25
<b>TOTAL OIC/CO DISCRETIONARY MANDAYS</b>		<b>137</b>



PSD Chain of Command Board



Completed PSD Board



Ikego Patio project before.



Ikego Patio project after.



Bldg 3333 gazebo before.



Bldg 3333 gazebo after.

## Labor Distribution Summary

### DETAIL YOKOSUKA

Month	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total	% Total
Direct Labor MDs <sup>1</sup>	13	202	117	80	57	15	0	484	73%
Indirect Labor MDs <sup>2</sup>	7	32	26	7	12	5	0	89	13%
Readiness/Training	0	5	18	18	18	18	11	88	13%
Total MDs Exp	20	239	161	105	87	38	11	661	100%
# Total Personnel	10	10	10	9	8	7	4	N/A	
# Direct Labor	7	7	7	7	5	6	1	N/A	
# Workdays	11	23	25	23	22	22	11	137	
% Direct Labor <sup>3</sup>	70%	65%	65%	72%	63%	86%	25%	64%	
Ideal Capability <sup>4</sup>	87	168	183	168	124	149	12	890	
Availability Factor <sup>5</sup>	15%	123%	74%	58%	61%	22%	89%	64%	

**NOTES:**

1. Direct Labor MDs are mandays expended not earned.
2. Indirect Labor MDs are mandays spent on indirect activities by DL personnel.
3. % Direct Labor = (#Total Direct Labor for period)/(#Total Personnel)
4. MD Capability = (# Direct Labor personnel for period) x (# Workdays for period) x (1.125) x 1
5. AF (Efficiency Factor) = (Total Direct Labor Mandays for period)/(MD Capability)

Total Direct Labor Mandays for period is sum of Direct Labor Mandays and Readiness/Training Mandays

# **CHAPTER V**

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## SUPPLY / LOGISTICS / EQUIPMENT

### **SUPPLY AND LOGISTICS**

The Okinawa deployment provided countless challenges for the Fearless Supply Department. The department supported personnel located at 13 sites throughout the world and set new operational benchmarks for NCF logistics in multiple areas. The travel office was recognized for its efforts for supporting emergency leave for battalion personnel during Hurricane Katrina and providing to support to the command staff with its high number of detail sites. The Camp Shields galley received Five Star Accreditation for the first time. ARP identified \$200,000 in NIS and coordinated an increase in net effectiveness from 13% to over 90% in 60 days. Not to mention an unprecedented effort of procuring, inventorying, and packing personal gear and TOA in support of the Pakistan earthquake relief operation. All camp facilities and stores were turned over in good condition ensuring the success of the incoming battalion.

### **FOOD SERVICE**

Food Service Operations in Camp Shields were challenging during the Okinawa Deployment. At turnover, only 45% of the galley equipment was operable. Working with Bravo Company, the department assisted in re-instating 98% of the equipment to a fully operational status in preparation for the Food Management Team Assist Visit. The visit resulted in outstanding reviews and the galley was found to be operating at very high levels in all areas. The Navy Food Management Team returned on November 7 to inspect the Galley for the **CNI Five Star Accreditation** and awarded the Camp Shields Galley 813 out of 818 possible points. This marks the first time a Seabee Battalion has been awarded CNI Five Star Accreditation.

During the Deployment, Camp Shields Galley expended \$48,000 for Galley Equipment and \$20,000 for Consumables. We served over 210,000 meals at a cost of \$470,000 stores consumed. Food acquisition was achieved through the Prime Vendor, Food Service Incorporated, DSO/DSCP F.F.V. Vendor, and AAFES Bakery. This included ordering and receiving stock. It also expanded the food choices available, allowing extensive healthy selections for each meal.

The Galley supported a fully operational Chief's Mess and Wardroom utilizing four Culinary Specialist and Four FSAs. The Camp Shields Galley provided MREs, Ice, Gatorade, Fresh Fruit and breakfast pastries during the 4-day Deployment Field Exercise. The Galley also supported the departure of Air Detachment personnel in support of the earthquake relief in Pakistan by providing a 24-hour Galley tent for the continuous operations during the 7-day mount out. The galley was turned over to NMCB 4 without discrepancies.

### **BILLETING**

NMCB 74 was assigned Barracks 7141 – 7216, the billeting staff did an outstanding job of leading various self-help projects to Building 7216: installing new lounge furniture, new recreation equipment and creating a new cleaning program. The staff also coordinated the

completion of over 800 trouble calls through Bravo Co. The result was improved living conditions that greatly increased morale of troops and prolonged building life.

### **DISBURSING**

The Disbursing Office processed over 1300 travel claims, liquidating over \$400K in deployment per diem to mainbody and detail personnel. Disbursing provided support to over 150 members who filed for dependent "Safe Haven" travel orders resulting from Hurricane Katrina. This resulted in over \$1M in payments to dependents during deployment.

The Disbursing and Personnel departments also took a pro-active approach to the merger of the PN and DK ratings, implementing a team approach to all personnel issues, but maintaining the integrity of various functions. The teams were put in place at the onset of deployment and as a result, there were no issues when the actual merger took place in September 2005. All disbursing services were provided from Camp Shields.

### **POSTAL**

The Camp Shields Post Office processed over 6000 pounds of mail monthly. Full postal services including stamps, package shipping, and Express Mail services were offered to Battalion personnel, and residents of family housing.

### **BARBERSHOP**

The barbershop provided full barber services to all Battalion personnel. Over 2400 haircuts were given during this deployment.

### **TRAVEL**

The Battalion travel office operated with a \$1.4M budget. There were over 1600 travel orders processed for personnel deployed to 16 locations throughout the world. The travel office received an augment of travel funds to allow 83 members to return to Gulfport, MS on emergency leave in the aftermath of Hurricane Katrina. There were over 3800 per diem and travel vouchers processed throughout deployment.

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

The MLO staff provided support for all projects including receiving, storing and tracking over \$2.1M of construction materials and services to eight main body project sites. This was accomplished while also tracking five Pacific Detail sites (Atsugi, Chinhae, Sasebo, Yokosuka, and Diego Garcia) for a grand total of over \$7.3 Million dollars.

One of the top priorities during the deployment was to ensure that all the financial records and material inventories were maintained in accordance with 1NCD instructions. Another area of focus during our deployment was to integrate all current projects into the Project Material Planning Tracking Program (PMPTP). At turnover, inventory validity was at 100%, all financial records were up to date, and all projects were fully integrated into PMPTP.

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

CTR managed all hand and power tools, tradesman's toolkits and scheduled preventative maintenance. The dedicated customer-service-oriented CTR staff ensured that all projects were provided the tools they needed to accomplish the work. There was no work stoppage on the project sites as a result of broken or unavailable tools. At the beginning of deployment, validity was 98%. The CTR staff worked hard during the deployment to ensure a validity of 100% at turnover.

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

Within 60 days of deploying to Camp Shields, the Net Effectiveness of the ARP inventory was improved from 13% to over 90%. Paying close attention to detail, identifying in excess of \$200K in not in stock (NIS) shortages, Supply was able to justify and request additional funding to restock massive shortages, ensuring that the Battalion could meet its operational requirements for deployment.

ARP staff processed over 5000 requisitions which included Reorder Reviews valued at over \$1.1 million. During the mid deployment review a wall-to-wall inventory was conducted by 1NCD with outstanding results. The ARP inventory validity was at 98% despite the initial flaws of the new software implemented and supporting all detail sites.

### **UNIFORM ISSUE/ INFANTRY GEAR**

Personal Infantry gear was issued to battalion personnel for the JWTC exercises, FEX and to Air Detachment members assigned to DFT Pakistan. The true test of Greens Issue was the timely receipt, inventory, and issue of 782 tactical infantry, cold weather gear and outer tactical vests valued in excess of \$400k to 123 Battalion personnel. This was conducted in direct support of the Pakistan earthquake disaster relief operation.

Two separate 782 gear inventories were conducted during the deployment by the Supply Department. Both inventories were successfully completed in less than 3 weeks. Uniform issues, orders and surveys were successfully conducted each month, for the main body and all details personnel, provided funding was available to place orders.

### **TABLE OF ALLOWANCE**

The TOA on Camp Shields was pulled from dehumidified storage to be used for DFT Pakistan operations. MC1 and MCA1 were pulled, customized, and palletized for use in support of earthquake relief operations in Pakistan. The department also removed and inventoried all 44 TOA containers from the TOA warehouse that were designated for replacement by the regiment TOA manager. These containers were staged for removal from Camp Shields once the new TOA is put in place.

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

The Supply Department processed 203 NORs and 1,299 ANORs requisitions valued in excess of \$285,000. Supply provided outstanding logistical support to DRT Pakistan mount out with the emergency purchase of over \$70,000 worth of pre-deployment consumable and TOA items required for operation in Pakistan for earthquake relief efforts. The Supply Department has continued to provide support to the forward deployed Air Detachment even though they are deployed to a location that has limited resources. Through the Pakistan

Operation, forward deployed on-site Storekeepers expended more than \$ 222,000 in Emergency supplies purchased through the US Embassy and local merchants. Throughout deployment the financial office processed 4,962 requisitions totaling over \$1.1M of consumables, parts, and services for the camp. The SK's processed daily over 25 incoming and outgoing shipments for the camp and all detachment sites.

## **EQUIPMENT**

The CESE Maintenance program was incredibly successful this deployment. Despite sending half of Alfa Company to Pakistan in support of relief efforts, we completed 95% of BEEP and MAV tasking.

## **MAINBODY**

### **EQUIPMENT POPULATION**

<b>Vehicles</b>	<b>BEEP</b>	<b>JUN 05</b>	<b>JUL 05</b>	<b>AUG 05</b>	<b>SEP 05</b>	<b>OCT 05</b>	<b>NOV 05</b>	<b>BEEP</b>
In Service	139	138	137	137	137	311	131	131
In IEM	180	180	180	180	180	0	223	223
<b>Total</b>	<b>318</b>	<b>318</b>	<b>317</b>	<b>317</b>	<b>317</b>	<b>311</b>	<b>354</b>	<b>354</b>

### **PM & INTERIM REPAIR ERO SUMMARY**

**NOT APPLICABLE**

### **ALFA 3M SUMMARY**

<b>Month</b>	<b>Required Checks</b>	<b>Checks Comp</b>	<b>RAR</b>	<b>Outstanding 2Ks</b>
BEEP	N/A	N/A	100%	347
JUN 05	620	620	100%	341
JUL 05	966	964	99%	162
AUG 05	1254	1253	99%	220
SEP 05	1106	1106	100%	271
OCT 05	712	712	100%	281
NOV 05	626	626	100%	127
BEEP	N/A	N/A	100%	289
<b>TOTAL</b>	<b>5284</b>	<b>5281</b>	<b>100%</b>	<b>N/A</b>

### **EQUIPMENT AVAILABILITY STATUS**

<b>Deadline</b>	<b>BEEP</b>	<b>JUN 05</b>	<b>JUL 05</b>	<b>AUG 05</b>	<b>SEP 05</b>	<b>OCT 05</b>	<b>NOV 05</b>	<b>BEEP</b>
Auto	0	0	2	4	2	7	9	10
Construction	9	6	12	10	11	15	12	12
MHE/WHE	3	1	2	0	0	2	2	3
Total Deadline	12	7	16	14	13	24	23	25
<b>% Availability</b>	<b>90</b>	<b>93</b>	<b>88</b>	<b>90</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>93</b>

**FUJI**

**EQUIPMENT POPULATION**

<b>Vehicles</b>	<b>BEEP</b>	<b>JUN 05</b>	<b>JUL 05</b>	<b>AUG 05</b>	<b>SEP 05</b>	<b>OCT 05</b>	<b>NOV 05</b>	<b>BEEP</b>
In Service	8	8	8	8	8	8	9	9
In IEM	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>

**PM & INTERIM REPAIR ERO SUMMARY**

**NOT APPLICABLE**

**ALFA 3M SUMMARY**

<b>Month</b>	<b>Required Checks</b>	<b>Checks Comp</b>	<b>RAR</b>	<b>Outstanding 2Ks</b>
BEEP	N/A	N/A	N/A	10
JUN 05	8	8	100%	5
JUL 05	18	18	100%	13
AUG 05	9	9	100%	14
SEP 05	6	6	100%	8
OCT 05	7	7	100%	7
NOV 05	56	56	100%	7
BEEP	N/A	N/A	100%	10
<b>TOTAL</b>	<b>104</b>	<b>104</b>	<b>100%</b>	<b>N/A</b>

**EQUIPMENT AVAILABILITY STATUS**

<b>Deadline</b>	<b>BEEP</b>	<b>JUN 05</b>	<b>JUL 05</b>	<b>AUG 05</b>	<b>SEP 05</b>	<b>OCT 05</b>	<b>NOV 05</b>	<b>BEEP</b>
Auto	0	0	1	1	1	0	0	0
Construction	2	2	0	0	0	0	0	0
MHE/WHE	0	0	0	0	0	0	0	0
Total Deadline	2	2	1	1	1	0	0	0
<b>% Availability</b>	<b>100</b>	<b>100</b>	<b>82</b>	<b>82</b>	<b>87</b>	<b>96</b>	<b>95</b>	<b>100</b>

**IWAKUNI**

**EQUIPMENT POPULATION**

<b>Vehicles</b>	<b>BEEP</b>	<b>JUN 05</b>	<b>JUL 05</b>	<b>AUG 05</b>	<b>SEP 05</b>	<b>OCT 05</b>	<b>NOV 05</b>	<b>BEEP</b>
In Service	16	16	16	16	16	16	16	16
In IEM	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>

**PM & INTERIM REPAIR ERO SUMMARY**

**NOT APPLICABLE**

**ALFA 3M SUMMARY**

Month	Required Checks	Checks Comp	RAR	Outstanding 2Ks
BEEP	N/A	N/A	100%	10
JUN 05	62	62	100%	6
JUL 05	32	32	100%	8
AUG 05	15	15	100%	7
SEP 05	52	52	100%	18
OCT 05	16	16	100%	21
NOV 05	115	115	100%	8
BEEP	N/A	N/A	100%	9
<b>TOTAL</b>	<b>292</b>	<b>292</b>	<b>100%</b>	<b>N/A</b>

**EQUIPMENT AVAILABILITY STATUS**

Deadline	BEEP	JUN 05	JUL 05	AUG 05	SEP 05	OCT 05	NOV 05	BEEP
Auto	2	2	2	1	3	2	2	3
Construction	2	2	0	0	1	1	1	1
MHE/WHE	0	0	0	0	0	0	0	0
Total Deadline	2	2	2	1	4	3	3	4
<b>% Availability</b>	<b>99</b>	<b>99</b>	<b>82</b>	<b>81</b>	<b>76</b>	<b>78</b>	<b>81</b>	<b>79</b>

**PAKISTAN**

**EQUIPMENT POPULATION**

Vehicles	BEEP	JUN 05	JUL 05	AUG 05	SEP 05	OCT 05	NOV 05	BEEP
In Service	N/A	N/A	N/A	N/A	N/A	11	11	11
In IEM	N/A	N/A	N/A	N/A	N/A	0	0	0
<b>Total</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>11</b>	<b>11</b>	<b>11</b>

**PM & INTERIM REPAIR ERO SUMMARY**

**NOT APPLICABLE**

**ALFA 3M SUMMARY**

Month	Required Checks	Checks Comp	RAR	Outstanding 2Ks
BEEP	N/A	N/A	N/A	N/A
JUN 05	N/A	N/A	N/A	N/A
JUL 05	N/A	N/A	N/A	N/A
AUG 05	N/A	N/A	N/A	N/A
SEP 05	N/A	N/A	N/A	N/A
OCT 05	712	712	100%	281
NOV 05	626	626	100%	127
BEEP	N/A	N/A	100%	289
<b>Total</b>	<b>5284</b>	<b>5281</b>	<b>100%</b>	<b>N/A</b>

### EQUIPMENT AVAILABILITY STATUS

Deadline	BEEP	JUN 05	JUL 05	AUG 05	SEP 05	OCT 05	NOV 05	BEEP
Auto	N/A	N/A	N/A	N/A	N/A	0	0	0
Construction	N/A	N/A	N/A	N/A	N/A	0	0	0
MHE/WHE	N/A	N/A	N/A	N/A	N/A	0	0	0
Total Deadline	N/A	N/A	N/A	N/A	N/A	0	0	0
<b>% Availability</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>100</b>	<b>100</b>	<b>100</b>

### POHANG

#### EQUIPMENT POPULATION

Vehicles	BEEP	JUN 05	JUL 05	AUG 05	SEP 05	OCT 05	NOV 05	BEEP
In Service	24	24	24	24	26	25	27	27
In IEM	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>26</b>	<b>25</b>	<b>27</b>	<b>27</b>

#### PM & INTERIM REPAIR ERO SUMMARY

NOT APPLICABLE

#### ALFA 3M SUMMARY

Month	Required Checks	Checks Comp	RAR	Outstanding 2Ks
BEEP	N/A	N/A	100%	4
JUN 05	4	4	100%	3
JUL 05	7	7	100%	5
AUG 05	8	8	100%	5
SEP 05	22	22	100%	5
OCT 05	19	19	100%	9
NOV 05	137	137	100%	9
BEEP	N/A	N/A	100%	9
<b>TOTAL</b>	<b>197</b>	<b>197</b>	<b>100%</b>	<b>N/A</b>

### EQUIPMENT AVAILABILITY STATUS

Deadline	BEEP	JUN 05	JUL 05	AUG 05	SEP 05	OCT 05	NOV 05	BEEP
Auto	0	0	1	3	5	3	2	1
Construction	0	0	1	0	0	0	0	0
MHE/WHE	0	0	0	0	0	0	0	0
Total Deadline	0	0	2	3	5	3	2	0
<b>% Availability</b>	<b>100</b>	<b>100</b>	<b>90</b>	<b>90</b>	<b>81</b>	<b>81</b>	<b>79</b>	<b>93</b>

**SASEBO**

**EQUIPMENT POPULATION**

<b>Vehicles</b>	<b>BEEP</b>	<b>JUN 05</b>	<b>JUL 05</b>	<b>AUG 05</b>	<b>SEP 05</b>	<b>OCT 05</b>	<b>NOV 05</b>	<b>BEEP</b>
In Service	9	9	9	9	9	9	9	9
In IEM	0	0	0	0	0	0	0	0
<b>Total</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>

**PM & INTERIM REPAIR ERO SUMMARY**

**NOT APPLICABLE**

**ALFA 3M SUMMARY**

<b>Month</b>	<b>Required Checks</b>	<b>Checks Comp</b>	<b>RAR</b>	<b>Outstanding 2Ks</b>
BEEP	N/A	N/A	100%	12
JUN 05	13	13	100%	8
JUL 05	44	44	100%	6
AUG 05	11	11	100%	6
SEP 05	38	38	100%	3
OCT 05	8	8	100%	6
NOV 05	39	39	100%	6
BEEP	N/A	N/A	100%	16
<b>TOTAL</b>	<b>153</b>	<b>153</b>	<b>100%</b>	<b>N/A</b>

**EQUIPMENT AVAILABILITY STATUS**

<b>Deadline</b>	<b>BEEP</b>	<b>JUN 05</b>	<b>JUL 05</b>	<b>AUG 05</b>	<b>SEP 05</b>	<b>OCT 05</b>	<b>NOV 05</b>	<b>BEEP</b>
Auto	0	0	0	0	0	0	1	0
Construction	1	1	1	0	1	0	1	0
MHE/WHE	0	0	0	0	0	0	0	1
Total Deadline	1	1	1	0	1	0	2	1
<b>% Availability</b>	<b>93</b>	<b>93</b>	<b>93</b>	<b>84</b>	<b>94</b>	<b>92</b>	<b>93</b>	<b>89</b>

**SAN CLEMENTE**

**EQUIPMENT POPULATION**

<b>Vehicles</b>	<b>BEEP</b>	<b>JUN 05</b>	<b>JUL 05</b>	<b>AUG 05</b>	<b>SEP 05</b>	<b>OCT 05</b>	<b>NOV 05</b>	<b>BEEP</b>
In Service	77	77	75	69	70	65	72	72
In IEM	0	0	0	0	0	0	0	0
<b>Total</b>	<b>77</b>	<b>77</b>	<b>75</b>	<b>69</b>	<b>70</b>	<b>65</b>	<b>72</b>	<b>72</b>

**PM & INTERIM REPAIR ERO SUMMARY**

**NOT APPLICABLE**



### ALFA 3M SUMMARY

Month	Required Checks	Checks Comp	RAR	Outstanding 2Ks
BEEP	N/A	N/A	100%	37
JUN 05	84	83	99%	32
JUL 05	393	392	99%	83
AUG 05	109	109	100%	81
SEP 05	544	544	100%	122
OCT 05	15	15	100%	167
NOV 05	474	474	100%	35
BEEP	N/A	N/A	100%	114
<b>TOTAL</b>	<b>1619</b>	<b>1617</b>	<b>100%</b>	<b>N/A</b>

### EQUIPMENT AVAILABILITY STATUS

Deadline	BEEP	JUN 05	JUL 05	AUG 05	SEP 05	OCT 05	NOV 05	BEEP
Auto	5	5	9	6	7	7	8	7
Construction	6	6	13	14	10	6	6	4
MHE/WHE	0	0	0	0	0	0	0	0
Total Deadline	11	11	22	22	17	13	14	11
<b>% Availability</b>	<b>78</b>	<b>78</b>	<b>74</b>	<b>68</b>	<b>70</b>	<b>79</b>	<b>79</b>	<b>85</b>

Highlights from Alfa Company include reorganizing IEM into CORE alignment and preparing the way for a test water well hole. Additionally, excess CESE from Fleet Hospital was recapitalized by both main body and Detail Pohang, allowing older equipment to be removed from service. Our Alfa Company was extremely proactive and partnered with Regiment and our supply department to develop and implement solutions to detail reoccurring issues of ARP shortages and low net effectiveness. Another area we were highly successful in was improving the state of San Clemente's equipment and repair parts logistics. Finally, we exactly validated the OMMS database to the CASMIS TAB A at main body and all detail sites contributing to better equipment management practices and logistical support in the future. During both the MAV and the EDR, our Alfa Company received accolades from regimental staff, "extremely proactive...set the standard which the NCF will emulate."

### MAINTENANCE MATERIAL MANAGEMENT (3M)

The 3M Program has proven to be rather challenging and very successful. A total of nineteen work centers, were successfully maintained throughout the deployment. The command successfully installed two quarterly force revisions; FR 3-05 and FR 4-05. The revisions were distributed to fourteen local work centers and five detachments. Established the required Master library of work centers, consisting of List of Effective Pages, Maintenance Index Pages and Maintenance Requirement Cards. Validated and corrected hundreds of periodicity errors, ensuring all work centers checks were within periodicity. Provided invaluable 3M training during Command Indoctrination, qualifying over sixty troops in 3M 301. Completed 10,471 scheduled checks and 505 spot checks. Submitted and received a favorable response on over 100 feedback reports. Created work centers for the

deployed Pakistan unit allowing Preventive Maintenance Scheduling to continue.  
Successfully completed 14 Automated Shore Interfaces (ASI) up-lines through RADWED.

The Battalion-wide PMS Performance Report for the deployment, averaged the Recorded Accomplishment Ratio (RAR) at 99.5%. The PMS Performance Rate (PPR) for the deployment averaged at 98.1%

# **APPENDICES**

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## APPENDIX I

### LESSONS LEARNED

#### OKINAWA

1. KEYWORD: OPERATIONS
  - a. ITEM: MAINTENANCE CONTRACTS SCOPES OF WORK
  - b. DISCUSSION: Much of the Maintenance work on Camp Shields is contracted and therefore requires the involvement of other parties beyond the Camp Czar and NMCB X. These contracts are held by both CFAO and through MOUs with the AF. Tasks such as mowing the grass may not be completed as timely as the Command may like.
  - c. RECOMMENDATION: B6 should become familiar with each contract and the scopes of work. B6 must also chat with the Camp Czar and become familiar with any unique procedures and POCs for each contract.
  
2. KEYWORD: OPERATIONS
  - a. ITEM: CREW SKILL LEVELS
  - b. DISCUSSION: Having spent two consecutive tours in the desert, construction skills were depleted. More complicated tasks, especially overhead pours, were severely underestimated and required additional time to complete.
  - c. RECOMMENDATION: Add additional time to accomplish major milestones on Level IIs if you are not comfortable with the crew's skill level.
  
3. KEYWORD: SUPPLY
  - a. ITEM: NFMT ASSIST VISIT
  - b. DISCUSSION: The Navy Food Management Team provides very valuable training to Battalions deployed within their AOR. The NFMT can recognize issues in a galley, and provide training to improve overall Food Service and quality. They also leave each Battalion with the scored checklists of any requested inspections.
  - c. RECOMMENDATION: Work with the previous Battalion's inspection check lists to make needed improvements, and immediately start working with the NFMT to arrange for an assist visit. This will allow any discrepancies to be fixed as early as possible.
  
4. KEYWORD: SUPPLY
  - a. ITEM: POST OFFICE
  - b. DISCUSSION: The Camp Shields Post Office transitioned from fixed credit to flexible credit and came under the cognizance of the CFAO Post Office. All money audits are conducted by CFAO personnel and must be done on the same date as the main Post Office.
  - c. RECOMMENDATION: Make sure the CFAO Post Office knows the work schedule of the Battalion, especially for field exercises or times when high customer volume is expected.

5. **KEYWORD: SUPPLY**
  - a. **ITEM: MATERIAL LIAISON OFFICE COURSE 066.1**
  - b. **DISCUSSION:** This class specifically stated that the purpose of MLO was “receive, store, and issue construction material for deployed NCF Units”. In actuality one of the major parts of MLO is also ordering materials. Due to the fact that the process of dealing with a prime vendor and other sources to fulfill material orders was never officially taught in MLO 066.1, our inexperience was evident in the forefront of the deployment.
  - c. **RECOMMENDATION:** MLO 066.1 needs to be updated to include in depth training on ordering materials through prime and local vendors.
  
6. **KEYWORD: SUPPLY**
  - a. **ITEM: MLO CREDIT CARD**
  - b. **DISCUSSION:** MLO was hindered on numerous occasions when the request for small ticket items arose. We were required to use SOP when ordering add-ons for a project. This process would take at least 2-3 days that could potentially delay the project.
  - c. **RECOMMENDATION:** MLO needs to have access to a credit card that allows us to make small, same day local purchases. This will ensure that a low cost item would not cause a high impact delay.
  
7. **KEYWORD: SUPPLY**
  - a. **ITEM: PROCUREMENT OF PROJECT MATERIAL**
  - b. **DISCUSSION:** The majority of our electrical and mechanical materials are procured from the states, but they’re installed in overseas projects. Matching standard to metric fittings caused some minor delays that potentially could have been worse.
  - c. **RECOMMENDATION:** It would be beneficial to scrub all BM’s and order electrical and mechanical materials locally using that country’s measurement standards.
  
8. **KEYWORD: SUPPLY**
  - a. **ITEM: CONCRETE PROCUREMENT**
  - b. **DISCUSSION:** Concrete placements can be changed up until one-day prior to the placement. The Battalion is not the only customer and desired dates may not always be available. More importantly, dropping a scheduled date allows other customers to take it. It may not be available again later.
  - c. **RECOMMENDATION:** If unsure whether or not the project is ready to receive concrete or not, it is best to wait until the minimum amount of time before turning off the pour.
  
9. **KEYWORD: SUPPLY**
  - a. **ITEM: TOOL ORDERING AND FEEDBACK PROCESS**
  - b. **DISCUSSION:** Interaction between the 30th and yourself is a crucial aspect of CTR. This becomes especially vital when you’re turning in monthly tool reports. We made the assumption that after emailing our monthly reports, we would start receiving tool requests shortly thereafter. After not receiving any replacement tools for an extended period of time, we contacted the 30th and bridged our communication gaps. Shortly thereafter, tools began to arrive.

c. RECOMMENDATION: A biweekly phone call or email to the 30th will ensure timely deliveries of all replacement tool requests.

10. KEYWORD: CESE

a. ITEM: WATERWELL

b. DISCUSSION: Water well rig needs to be cycled to ensure readiness before deploying it.

c. RECOMMENDATION: Develop a test well on camp to allow for complete cycling of water well rig.

11. KEYWORD: CESE

a. ITEM: CRANE CERTIFICATION

b. DISCUSSION: Test weights required for certification are borrowed and in poor shape.

c. RECOMMENDATION: Purchase test weights, which will reduce scheduling conflicts and give the crane program weights that are more acceptable to Navy Crane Center.

12. KEYWORD: CESE

a. ITEM: EQUIPMENT OPERATIONS AREA

b. DISCUSSION: No local area to cycle heavy equipment.

c. RECOMMENDATION: Develop part of camp specifically designated to exercising heavy equipment. The area east of Alfa Co and between Alfa Co and housing is one possibility.

13. KEYWORD: CESE

a. ITEM: UNDERCOATING

b. DISCUSSION: Undercoating not part of Authorized Use List (AUL).

c. RECOMMENDATION: Recommend working on getting Rhino lining or Undercoating added to AUL so it can be purchased.

14. KEYWORD: CESE

a. ITEM: OPEN PURCHASE REPAIR PARTS

b. DISCUSSION: Credit cards were turned off 45 days prior to turnover.

c. RECOMMENDATION: Ensure credit cards are not turned off until BEEP or even after BEEP. Figure out a method to reconcile cards as late as possible in deployment or have alternate cards for turnover to allow lapse in turning cards over.

15. KEYWORD: CESE

a. ITEM: LICENSING PERSONNEL FOR VEHICLES

b. DISCUSSION: The number of Bravo and Charlie types licensed in HMMV, MTRV, and forklift use was not adequate. Both companies should have a number of personnel licensed in both. Use of HMMWVs is the primary means for transferring troops to off-Camp Shields project sites. Use of MTRVs is most important for hauling large quantities of materials and larger troop movements such as FEX. Material movement most often requires the use of a 4K or 12K.

c. RECOMMENDATION: At a minimum, every Third Class and below be licensed in HMMWV, MTRV, and Forklift operation. This goal is feasible by planning a training schedule with Alfa Company during homeport.

16. KEYWORD: 3M

a. ITEM: PMS PERFORMANCE REPORT APPROVAL SIGNATURES

b. DISCUSSION: Quarterly PMS Performance Reports require signatures from the following personnel having the proper 3M level of training: Division LCPO (301), Division Officer (304), Dept 3M Assistant (305), Department Head (306), and 3M Coordinator (307). By only training one person to each level, Bravo Company will set itself up for failure should any of the individuals PCS, re-deploy, etc.

c. RECOMMENDATION: Train two or three personnel to the appropriate levels to avoid having one person have to sign all blocks or having no one to sign at all.

## **DETAIL ATSUGI**

17. KEYWORD: OPERATIONS

a. ITEM: ROICC INTERFACE

b. DISCUSSION: RFI turnaround time was very slow. Through verbal conferences with the ROICC and the base Engineers on each issue as it came up, and following up on the RFIs and FARs after turning them in, the average turnaround time was reduced from 10 days to 3 days.

c. RECOMMENDATION: Invite ROICC to key initial phase inspections, particularly for those construction activities that will affect aesthetics. This will help avoid unnecessary FARs and RFIs. Communicate with the ROICC and Engineers verbally on RFIs and FARs before sending them up in writing, keep electronic copies, and follow up. Request a QA plan from ROICC at the PRECON. Installing sample sections of a particular activity works only if ROICC is timely on their approval.

18. KEYWORD: OPERATIONS

a. ITEM: PROJECT DESIGNS

b. DISCUSSION: Many projects are not designed by local engineers. This leads to inaccurate existing conditions depicted on the drawings. Erroneous drawings affect the accuracy of project planning and estimating which results in delays to project execution and long lead-time for RFI or FAR replies.

c. RECOMMENDATION: On all projects, walk the site with the local engineers before starting work and verify the BM against existing conditions before ordering materials. Ask any engineering questions as early as possible and maintain communication through the ROICC.

19. KEYWORD: OPERATIONS

a. ITEM: CBCM PROGRAM

b. DISCUSSION: CBCM has several "bugs" that make it difficult to use. Two projects done in the latest version 7.1 had to be re-entered into version 7.0 after 2MSI was unable to resolve the problems.



c. RECOMMENDATION: Ensure that all project supervisors and crew leaders attend the Project Management/Execution SCBT class in homeport. If problems arise with the program that are not due to operator error, get assistance from 2MSI as soon as possible. Save versions of each project file frequently to avoid the necessity of starting over.

20. KEYWORD: OPERATIONS

- a. ITEM: CONCRETE DELIVERY
- b. DISCUSSION: Chutes on Japanese concrete trucks are only about 2-3 feet long.
- c. RECOMMENDATION: When planning a concrete pour ensure there is a way to reach all areas being poured. Be prepared to order a pump truck.

21. KEYWORD: OPERATIONS

- a. ITEM: SAFETY – ASBESTOS AND LEAD SURVEYS
- b. DISCUSSION: Asbestos and Lead-based paint are very common in buildings constructed by the Japanese.
- c. RECOMMENDATION: Make sure all renovation jobs have an up to date IH survey done before job starts.

22. KEYWORD: SUPPLY

- a. ITEM: MATERIAL PROCUREMENT
- b. DISCUSSION: The Detail had to order a lot of material for Project AG1-876 and AG3-890 upon arrival. Materials take a long time to procure in locally. Both project schedules required readjustment to allow for late materials to be installed at a future date.
- c. RECOMMENDATION: The ensure a successful deployment for the incoming Battalion, the outgoing Detail must order all materials required for the first two months of deployment.

23. KEYWORD: SUPPLY

- a. ITEM: MATERIAL PROCUREMENT
- b. DISCUSSION: The Prime vendor and local vendors have bilingual staff, but they are not familiar with construction terminology in either language.
- c. RECOMMENDATION: When preparing a bill of material, material take off, or a reorder, provide a detailed, comprehensive description of the required item. Provide samples or pictures, if possible. Reference past projects if a similar item has been ordered previously.

24. KEYWORD: SUPPLY

- a. ITEM: MATERIAL PROCUREMENT
- b. DISCUSSION: Getting quotes from the Prime Vendor can take an extraordinary amount of time due to unfamiliarity with construction terminology in either language and the difference of standard construction practices in Japan vice US standards.
- c. RECOMMENDATION: Scrub the BM's for anything that might be acceptable in any 'standard' size. For example, Japanese drywall comes in 3' x 6' sheets rather than 4' x 8' sheets. Standard electrical power is 100V, 50 Hz vice 120V, 60 Hz. If US standard is required, allow long lead-time for purchase from the states. Reference past projects if a similar item has been ordered previously.

25. **KEYWORD: SUPPLY**
- a. **ITEM: LOCAL RENTAL CONTRACTS**
  - b. **DISCUSSION:** Crossing fiscal years creates numerous problems for projects waiting on rentals of any kind. Starting new rentals was not possible from 01 OCT to 21 NOV due to funding constraints.
  - c. **RECOMMENDATION:** Early in August identify all rental requirements for the first 60 days of the new fiscal year and consult with base Supply and FSC offices to plan how to meet them.

#### **DETAIL CAMP PENDLETON**

26. **KEYWORD: ADMINISTRATIVE**
- a. **ITEM: BATTALION TURN-OVER**
  - b. **DISCUSSION:** The previous battalion's MAV inspection reports were not included in the turn over. Therefore, some previous discrepancies were not discovered or corrected before the next battalion's inspection.
  - c. **RECOMMENDATION:** Pass down all inspection results with the incoming battalion in all areas especially Safety, Operations, Alfa Company, and Supply.
27. **KEYWORD: OPERATIONS**
- a. **ITEM: CBCM PROGRAM**
  - b. **DISCUSSION:** CBCM 7.1 has several "bugs" that make it difficult to use. The program will not allow the input for tool, material, and equipment resources. Project planning is constantly evolving and changes become necessary. Also CBCM is being taught differently from the way that the 30<sup>th</sup> inspecting team is inspecting our project packages.
  - c. **RECOMMENDATION:** Ensure that all project supervisors and crew leaders attend the Project Management/Execution SCBT class in homeport. All battalions should be given the newest and approved version of this program as soon as it is available and use it. Ensure the same version is used in main body and other detail sites. Also if we are taught a way to do planning this how we should be inspected.
28. **KEYWORD: OPERATIONS**
- a. **ITEM: QUALITY CONTROL OF CONCRETE**
  - b. **DISCUSSION:** Delivery was a constant problem. Concrete was often delivered late or with numerous trucks showing up at the same time. The pump truck was usually on site hours before or concrete was scheduled. The pump truck was set up with inadequate equipment, resulting in last minute adjustments by the crew. Stand-by charges or the placement of hot concrete was the result.
  - c. **RECOMMENDATION:** Proactive communication with 30<sup>th</sup> NCR MLO is strongly encouraged so as to allow for the timely, coordinated arrival of the pump, concrete and testing contractors. Coordination with the pumping company is necessary to ensure that the transit mixer arrive with compatible equipment. It is highly recommended that 30<sup>th</sup> NCR MLO investigate the possibility of contracting with vendors closer the north end of Camp Pendleton.

29. **KEYWORD: SUPPLY**
- a. **ITEM: PROJECT MATERIALS**
  - b. **DISCUSSION:** The Detail had to order a lot of material for Project CP1-803 upon arrival. Materials take a long time to procure in Camp Pendleton due to the time it takes the 30<sup>th</sup> MLO office to contact the prime vendor (Gray Bar) and the amount of time it takes them to get price quotes and the material ordered.
  - c. **RECOMMENDATION:** To ensure a successful deployment for the incoming Battalion, the outgoing Battalion must order all materials required for the first three months of deployment.

## **DETAIL CHINHAЕ**

30. **KEYWORD: TRAINING**
- a. **ITEM: RANGE TIME**
  - b. **DISCUSSION:** Commander Fleet Activities Chinhae (CFAC) has a range trailer and a FATS trainer located adjacent to detail spaces. They hold weekly range qualifications for all hands to take part in. Detail also completed M500 training at the ROK Navy Base range. CFAC provides all weapons (M9, M16, M500) and ammo for training. They also clean weapons at the end of the day.
  - c. **RECOMMENDATION:** Incorporate these activities into your detail training plan and ensure data is sent to mainbody for inclusion into PISTOL.
31. **KEYWORD: OPERATIONS**
- a. **ITEM: ROICC/PW INVOLVEMENT**
  - b. **DISCUSSION:** The PWO is also assigned as the ROICC for the base. He does not visit Seabee projects often and relies on his PO1 CONREP to perform traditional ROICC functions. The BU1 (soon to be CE1) is typically overwhelmed with his normal day-to-day tasking that he is not always available to assist with design questions or contractor support, as expected on larger naval bases.
  - c. **RECOMMENDATION:** Be proactive and push PW's CONREP out to the project as much as possible. Establish open working relationships with the productive people in PW.
32. **KEYWORD: SUPPLY**
- a. **ITEM: PRIME VENDOR CONSTRUCTION KNOWLEDGE**
  - b. **DISCUSSION:** The prime vendor deals primarily with construction related materials, but has little practical construction material knowledge. Detail had numerous challenges communicating exact material requirements. Have had to provide material very detailed material requirements, including pictures, on more than one occasion. Being too specific has caused problems as well. Prime vendor seems hesitant to present alternatives to the item you are requesting. The specific manufacturer's product numbers used to identify material types were used to actually purchase materials, despite suitable alternatives from local suppliers and excessive shipment times from the US.
  - c. **RECOMMENDATION:** Provide detailed product information when ordering project materials and continually communicate with the prime vendor to answer any questions. Watch delivery times and mandate use of local materials.

33. KEYWORD: SUPPLY
- a. ITEM: PRIME VENDOR MATERIAL DELIVERY
  - b. DISCUSSION: Materials were being ordered by the prime vendor from the US and the Seoul/Osan area as it was easier administratively for them to do so. Since the prime vendor is located more than four hours away from the Chinhae, it was not practical for them to make regular deliveries throughout the week. The AOIC and MLO found suppliers in town that provided general and specialized construction materials. They then coordinated with the Prime Vendor and established contacts in the Chinhae/Pusan area for construction materials. In most cases, the materials could be delivered on the day of request.
  - c. RECOMMENDATION: Coordinate your BM with the Prime Vendor and mandate use of local materials from the Chinhae/Pusan areas as much as possible.
34. KEYWORD: SUPPLY
- a. ITEM: PRIME VENDOR INITIAL FACE-TO-FACE MEETING
  - b. DISCUSSION: This was the second detail in Chinhae to use the prime vendor. The detail experienced several growing pains and had a steep learning curve on the prime vendor's capabilities.
  - c. RECOMMENDATION: Details should schedule face-to-face meetings during turnover week between the outgoing detail, incoming detail, and prime vendor.
35. KEYWORD: SUPPLY
- a. ITEM: PRIME VENDOR EQUIPMENT RENTAL
  - b. DISCUSSION: The prime vendor is unable to rent equipment. The prime vendor's contract only allows for the procurement of materials.
  - c. RECOMMENDATION: Ensure you have adequate funds with local Supply to rent necessary equipment.
36. KEYWORD: SUPPLY
- a. ITEM: PRIME VENDOR CONSTRUCTION SERVICES
  - b. DISCUSSION: The prime vendor claims they are unable to provide construction services such as compaction testing and concrete break tests. The prime vendor's contract only allows for the procurement of materials. During detail's MAV, 30NCR requested the prime vendor to re-evaluate their contract with DSCP and ensure that concrete break tests are included in concrete orders.
  - c. RECOMMENDATION: Ensure you have adequate funds with local Supply to procure necessary construction services.
37. KEYWORD: SUPPLY
- a. ITEM: COLD WEATHER GEAR ISSUE
  - b. DISCUSSION: Cold weather gear is required from late October to late April in Korea. Detail was issued Gortex jacket and pants, poly-pro shirt and pants, work gloves, and cold weather boots from Walt Fredrick in Port Hueneme. Only Gortex will be turned into detail SK for transfer to the next detail for re-issue.

c. **RECOMMENDATION:** Have incoming detail SK order cold weather gear consumable items 60 days prior to deploying to ensure timely delivery. Verify sizes of Gortex on hand will fit incoming detail.

## **DETAIL DIEGO GARCIA**

38. **KEYWORD: TRAINING**

a. **ITEM: DEPLOYMENT TRAINING PLAN**

b. **DISCUSSION:** There are various departments and commands available to mold an excellent military training plan. The British Royal Marine Detachment conducts exercises every few months, a small arms range is available for qualifications on M500, M14, and M9 weapons, base-wide DRT drills are in the planning stages, and a robust health clinic can provide excellent first-aid, CPR, and more advanced combat life-saver classes.

c. **RECOMMENDATION:** Meet early in deployment with the different departments and plan different evolutions. Meet with the British Royal Marine Detachment and get involved in an exercise with their troops. Be proactive in the planning process to ensure the troops are not simply being aggressors.

39. **KEYWORD: OPERATIONS**

a. **ITEM: PROJECT BM ACCURACY**

b. **DISCUSSION:** Project BM's are done by both the BOS contractor and each battalion who performs a P&E on the project. Often the BM's do not match and contain drastically different materials or leave out specific materials completely. As a result, when materials are received they tend to be different than what the detail personnel had anticipated they were receiving and vice versa for the BOS contractor.

c. **RECOMMENDATION:** During P&E get both the contract and BOS contractor BM from the on site battalion. Check the BM for redundancies and differences in the material take-off and insure all materials are accounted for. If differences exist ensure the on site battalion processes accurate material add-ons for these items.

40. **KEYWORD: OPERATIONS**

a. **ITEM: CBCM PROGRAM**

b. **DISCUSSION:** CBCM has several "bugs" that make it difficult to use. The program will not allow changes after the initial project schedule has been established. Project planning is constantly evolving and changes become necessary. The re-baseline option at the 30-day review often makes changes to durations and mandays of other activities resulting in different tasking numbers agreed to at the 30-day review.

c. **RECOMMENDATION:** An industry standard software application (i.e. Microsoft Project, Primavera) should be procured and utilized. These programs allow for the flexibility needed when adjustments are made to tasking. The programs are utilized by the industry and training opportunities within the civilian sector could also be utilized. More importantly these programs are the industry standard and recruitment and retention would likely increase since the members know the skills they are learning are used in the civilian sector as well. Regardless if an industry standard software or CBCM is used, it is important to insure that all project supervisors and crew leaders are fully trained and have ample hands-on experience with the program prior to deployment.

41. KEYWORD: SUPPLY

a. ITEM: MATERIAL PROCUREMENT

b. DISCUSSION: Due to the isolation of the island, material receipt is very slow. Material procurement occurs by means of request to 30<sup>th</sup> NCR representatives in Port Hueneme. After finding a vendor that can support the request the material is delivered to and inspected by the 30<sup>th</sup> NCR representative. Following verification and PMPTP input the 30<sup>th</sup> NCR ships the materials to Singapore that are then off-loaded and placed on a bi-monthly rotating vessel heading to Diego Garcia. This entire process takes approximately three-months by ship.

c. RECOMMENDATION: Purchase a majority of the materials from a prime vendor in Singapore to deliver directly to the rotating vessel, shortening the current three-month process to roughly one-month.

42. KEYWORD: SUPPLY

a. ITEM: PMPTP ACCURACY

b. DISCUSSION: PMPTP is the primary program to track material delivery, receipt, and project material costs. The internet-based program requires data entry at multiple points along the supply route. However, the program is only as accurate as the data that is input at these points. Often certain line items would be received by the MLO representative and upon updating the program it was found that the line item was never input as being ordered or shipped. Also, since the program is internet-based, data input and retrieval is time-consuming.

c. RECOMMENDATION: Unless bandwidths are increased at the user's workstation, the program will continue to be time-consuming. If the program could be updated using a spreadsheet or database application that was dumped into the database at the end of the day or week, it may have less of an impact on the user. In addition, it is imperative that each user updates the database correctly and in a sufficient timeframe to ensure the validity of the information in the program.

43. KEYWORD: SUPPLY

a. ITEM: NALO FLIGHT REQUESTS

b. DISCUSSION: 1NCD requires NALO flight requests to be submitted for detachment movement in and out of the island. Due to the size of the detachment an approved NALO mission is unlikely and confirmation of the request is not given until 72-hours out of original date requested. As a result, commercial airline tickets are purchased less than three-days before departure drastically increasing the price of the individual ticket. Other effects of purchasing late tickets is family members cannot make adequate plans for their arrival and departure. Similarly, airlines are more prone to double book tickets causing delays and possible separation of members in transit.

c. RECOMMENDATION: Either 1) request 1NCD to waive NALO flight requests out of Diego Garcia in order to purchase commercial tickets at least one-month prior to maximize cost savings on individual tickets; or 2) find out what conditions need to be met in order to insure NALO requests are approved.

## **DETAIL FUJI**

### **44. KEYWORD: OPERATIONS**

#### **a. ITEM: APPROVED DRAWINGS FOR CAMP FUJI PROJECTS**

b. **DISCUSSION:** The Detail faced three key issues in regards to its assigned project. (1) It did not have approved and signed drawing specifically for Camp Fuji; (2) ROICC did not have updated version of drawing; and (3) Customer did not have a copy of project drawing.

c. **RECOMMENDATION:** A backlog of projects should be established for Camp Fuji. All funding and design issues should already be addressed prior to the 30th NCR taking on these projects for the battalions. The customer should be involved in the design phase and made aware of any modifications to an existing set of drawings before construction begins. All members involved in the construction onboard Camp Fuji should have an exact understanding of what is to be accomplished.

### **45. KEYWORD: SUPPLY**

#### **a. ITEM: AUTOMOTIVE REPAIR PARTS**

b. **DISCUSSION:** The detail's COSAL does not match the detail's CESE. Due to the outdated COSAL, the repair parts on hand is inaccurate. The 30th NCR was made aware of this during the detail's MAV inspection.

c. **RECOMMENDATION:** A new COSAL needs to be issued to Detail Fuji. All Automotive Repair Parts on hand that do not pertain to detail's CESE should be packed up and returned to main body. All items that are missing should be ordered and ARP should be restocked.

## **DETAIL IWAKUNI**

### **46. KEYWORD: TRAINING**

#### **a. ITEM: STATION CERTIFICATIONS**

b. **DISCUSSION:** Before any construction work was permitted to commence, Detail members were required to attend station-conducted training on the use/ storage/ disposal of HAZMAT, the proper usage of scaffolding, and the use and outfitting of respirators.

c. **RECOMMENDATION:** Ensure the oncoming Detail is aware of these training requirements. The outgoing Detail should help facilitate the scheduling of classes to occur during or soon after turnover.

### **47. KEYWORD: COMMUNICATION EQUIPMENT**

#### **a. ITEM: COMPUTER ASSETS**

b. **DISCUSSION:** The Detail's ADP assets are lacking. The Detail has nine personal computers, seven of which have a MCASI network connection. The condition of these assets is poor to fair, with most units considerably outdated (average age is 1999). Throughout the deployment, the Detail continually battled hardware breakdowns and non-compliable software issues. Additionally, the Detail lacks a .pdf scanner. This piece of communications equipment would greatly enhance communication capabilities as a replacement for the fax machine. Finally, the Detail is absent of a digital projector, which is

considered critical for in-house training and visitor briefings. NMCI is scheduled to swap networked PC's in March 2006 however no accessories are included in the order.

c. RECOMMENDATION: Provide the Detail with essential computer tools and accessories. Namely, two new PC's (upon NMCI deployment, these PC's can remain as stand-alone units for project planning, etc), a pdf scanner, and a digital projector.

48. KEYWORD: OPERATIONS

a. ITEM: LIAISON WITH BASE ENTITIES

b. DISCUSSION: A solid rapport with the Station's Recycling Division, DRMO, HAZMIN Center, and Fire Department paid enormous dividends for the Detail. These base entities lent assistance with specialty material needs, troop equipment (cold weather gear), camp enhancements (office furniture), tool loans, and extended hours access to the disposal yard.

c. RECOMMENDATION: Ensure the oncoming Detail meets these key players during turnover and offers small construction favors to maintain this synergetic relationship.

49. KEYWORD: OPERATIONS

a. ITEM: FACILITIES EXPERTS

b. DISCUSSION: The neighboring maintenance shops, consisting primarily in highly skilled MLC workers, possess a tremendous wealth of experience in various methods of Japanese construction. Their craftsmen-like expertise was frequently sought for advice and guidance on unfamiliar construction techniques. To the Detail's benefit, they enjoyed frequent interaction with Seabees.

c. RECOMMENDATION: Ensure the oncoming Detail is thoroughly introduced to the various foremen of the maintenance shops and is aware of the expert experience that is so readily accessible.

50. KEYWORD: SUPPLY

a. ITEM: CONSUMABLE TOOL REQUISITIONS

b. DISCUSSION: Over 15 consumable tools requisitions for Detail Iwakuni remain unfilled; some date back to the previous deployment or beyond. Typically, consumable tools are purchased at a local level with USN project funds. Detail Iwakuni's projects are funded by the USMC, whose guidelines prohibit purchasing replacement tools with project funds.

c. RECOMMENDATION: Ensure Main Body is cognizant of this scenario and works thru the Regiment for the acquisition of such consumables.

51. KEYWORD: SUPPLY

a. ITEM: EXCESS RECORDS

b. DISCUSSION: The Detail excess database within PMPTP has been updated throughout deployment with the addition of hundreds of line items. This report is periodically forwarded to the Station's project estimators for their use, eventually leading to higher material utilization and great cost savings.

c. RECOMMENDATION: Ensure future Detail MLO Representatives continue this efficiency trend.

52. KEYWORD: EQUIPMENT



- a. ITEM: STATION CESE SUPPORT
- b. DISCUSSION: The bulk of the Detail's heavy equipment, particularly the dump truck and backhoe attachment, have been on deadline for an extended period of time. The Station's Motor-T Division and MWSS-171 have become critical assets, as they have frequently provided needed CESE to carry out the Detail's mission.
- c. RECOMMENDATION: Although new equipment was in route to Iwakuni at the completion of deployment, the detail should still establish a friendly rapport with the above mentioned organizations. The detail can provide unique capabilities in return for loaned equipment. 48-hour notice or more is recommended for equipment requests.

## **DETAIL POHANG**

- 53. KEYWORD: COMMUNICATION
  - a. ITEM: ELECTRONIC MAIL
  - b. DISCUSSION: E-mail support is minimal and results in frequent and prolonged outages.
  - c. RECOMMENDATION: Base Commander will need to establish who will support the NCF unit with ISD support. Follow-on NCF units should be prepared back up all information to compensate for the continual lack of communication capabilities on Camp Mu Juk.
  
- 54. KEYWORD: OPERATIONS
  - a. ITEM: BASE ELECTRICITY AND GENERATOR SUPPORT
  - b. DISCUSSION: The base supplied a generator for the galley to operate during frequent power outages, but the generator was removed when the 9th ESB redeployed to Iraq. Without generator support, the base lacks a temporary power source.
  - c. RECOMMENDATION: The detail should obtain two 60k and one 30k generators in order to support the galley, barracks, and the marines headquarters building to support the mission during power outages. The generators would be required until the new base power grid is operational.
  
- 55. KEYWORD: OPERATIONS
  - a. ITEM: IMPROPER PRINTS
  - b. DISCUSSION: The prints that were supplied to the detail were poorly drawn and did not have the proper measurements for the facility. There were four sets of prints that the detail had to use, each with different dimensions. Many of the measurements needed to be changed on the spot to match the design of the building.
  - c. RECOMMENDATION: The detail needs to pay close attention to each set of prints and ensure that they are using the right measurements. Detail does not have support of a ROICC office. The Operations and Quality Control Petty Officers must have be involved in all aspects of construction to ensure that the facility is constructed correctly. Additionally, the Battalion should demand quality designs prior to deploying.
  
- 56. KEYWORD: SUPPLY
  - a. ITEM: CESE/ARP

b. DISCUSSION: The TAB A was not updated for the current CESE/ARP at the Detail Pohang.

c. RECOMMENDATION: During the BEEP between oncoming and off going detachments should request a new TAB A from the R43 shop. The new report should be compared to the old TAB A to ensure that all changes have been updated.

57. KEYWORD: SUPPLY

a. ITEM: MATERIAL DELIVERY DELAYS

b. DISCUSSION: Material procurement is accomplished through the USMC interpreter and the Supply technician in Chinhae, Mr. Kim. The Marine system has limited reliability because the Supply technician also supports the USMC detachment at Camp Mu Juk. Mr. Kim can get most materials, but has limited understanding of the details associated with construction materials. Additionally, the relationship between the Marines and Mr. Kim is strained due to poor timeliness and accuracy of previous orders purchased by the Marines. Therefore the Marines are hesitant to utilize his services. Subsequently, the Marines discourage other units from utilizing this system but lack another organized system to procure materials.

c. RECOMMENDATION: The Detail must provide accurate, detailed information on each item needed. Specific measurements and pictures are required in order to ensure that the right materials are ordered. When using the Marine interpreter, the detail must ensure that they continually follow up with him to ensure timely delivery of materials.

58. KEYWORD: SUPPLY

a. ITEM: PAYMENT OF PETROLEUM PRODUCTS

b. DISCUSSION: Prior to this deployment, NCF units have never paid for petroleum products.

c. RECOMMENDATION: A budget for POLs should be identified and funding accounts established for the detail unit at the site to ensure that POL products are available to accomplish the mission.

## **DETAIL SAN CLEMENTE ISLAND**

59. KEYWORD: ADMINISTRATION

a. ITEM: MAIL SERVICE

b. DISCUSSION: Mail service for the NMCB detachment on San Clemente Island was being picked up by the YN's on NASNI. The YN's in turn were not sending mail out on a daily basis via the aircraft, and the detachment was only receiving mail once per week.

c. RECOMMENDATION: The detachment SK1 needs to pick up the mail with the YN's at 1300 on NASNI and places it on the airplanes for a daily influx of mail to the detachment.

60. KEYWORD: ADMINISTRATION

a. ITEM: MAIL SERVICE

b. DISCUSSION: There are two mailing addresses that can be used for mailing to this detachment, a P.O. Box and the FPO AA address.

c. RECOMMENDATION: In order to expedite mail to the island, the best address to send items to is the P.O. Box address, which receives items daily vice weekly with the FPO AA address.

61. KEYWORD: TRAINING

a. ITEM: HOMEPORT TRAINING

b. DISCUSSION: The amount of training that is required for this detachment takes up a majority of the initial days for any oncoming battalion. All members of the MILCON must be trained in the Storm Water Pollution Prevention Program (SWPPP) and the Recycled Water Program. They additionally must be present for an extensive PRECON held by the ROICC, PWO, and all engineers involved. Lastly, the entire detachment receives San Clemente Island Indoctrination, which is an overview of all departments onboard SCI.

c. RECOMMENDATION: SWPPP, Recycled Water Program, and the PRECON can all accomplished by a California battalion prior to arrival on SCI. All Gulfport battalions could also receive this training prior to arrival by the trainers stationed in San Diego going TAD to Gulfport for two days. This would save a lot of time once the battalion arrived onsite.

62. KEYWORD: OPERATIONS

a. ITEM: BLASTING OPERATIONS

b. DISCUSSION: The blasting schedule is determined by the availability of the island's GM's. Having a blast scheduled for Monday is not conducive to any schedule since the island is dependent upon the flight schedule for the movement of personnel.

c. RECOMMENDATION: Coordinate blasting schedule with Paul Martinez and the island's GM's for a possible blast on the weekend, which reduces the island traffic over the roads that will be blocked off during this operation. If blasting can not be accomplished on the weekend due to scheduling, the next best day is Tuesday, when most people will be back to the island.

63. KEYWORD: OPERATIONS

a. ITEM: BARGE OPERATIONS

b. DISCUSSION: Anything that is 20 pounds or greater must be taken over via the weekly barge.

c. RECOMMENDATION: Ensure all deliveries to the CBMU are there and on an 1149 prior to the weekly barge. Coordination between the island and the barge operations is essential to conduct business on this island. Planning ahead for next week's barge is imperative to ensure timely delivery of all material.

64. KEYWORD: SUPPLY

a. ITEM: CESE/ARP

b. DISCUSSION: When arriving on a detachment site, a new TAB A should be requested to bounce the differences off of the old TAB A, thereby accounting for all lost CESE during the previous deployment cycle.

c. RECOMMENDATION: During the BEEP between oncoming and off going detachments request a new TAB A from the R43 shop.

65. KEYWORD: SUPPLY
- a. ITEM: ALFA SHOP HAZMAT
  - b. DISCUSSION: Due to the remoteness of the island, the availability to dispose of HAZMAT is reliant upon the one location that is a designated site.
  - c. RECOMMENDATION: Our Alfa Shop is not considered a storage site for HAZMAT, but has been given an exception to hold items up to one week. The island HAZMAT storage location is open one time per week, therefore have someone designated to move all excess HAZMAT on each Tuesday.

#### **DETAIL SASEBO**

66. KEYWORD: OPERATIONS
- a. ITEM: QC/SAFETY REPORTS
  - b. DISCUSSION: QC and Safety reports were done entirely by hand. They took entirely too long to write, were sometimes illegible, and included replication of activities from one day to the next.
  - c. RECOMMENDATION: Use electronic reports to reduce repetitiveness and eliminate errors. PDAs could be bought to increase efficiencies and allow reports to be generated on-site vice in the office.
67. KEYWORD: SUPPLY
- a. ITEM: INCORRECT MATERIALS ORDERED/DELIVERED
  - b. DISCUSSION: Several line items that were delivered did not match the item specified on the BM, necessitating costly and time-consuming reordering of critical materials.
  - c. RECOMMENDATION: Require cut sheets from the supplier for all non-standard items.
68. KEYWORD: SUPPLY
- a. ITEM: YEAR-END FUNDING
  - b. DISCUSSION: New fiscal year funding was not received from 30 NCR until early NOV. Vehicle rentals could not be procured until new lines of accounting were established, costing valuable time during a critical portion of the deployment.
  - c. RECOMMENDATION: Establish a prime vendor contract for vehicle rentals that can retain funding from one fiscal year to the next.
69. KEYWORD: SUPPLY
- a. ITEM: CREDIT CARD
  - b. DISCUSSION: Several small purchases under \$2,000 had to be made on short notice to support projects. Contracts had to be submitted, advertised, and approved before materials could be procured. This process is time-consuming, inefficient, and adds an additional layer of overhead/profit on locally available shelf items.
  - c. RECOMMENDATION: Obtain credit cards and authorization for each Det to use them for small purchases.

## **DETAIL YOKOSUKA**

70. **KEYWORD: ADMINISTRATION**
- a. **ITEM: SECURITY REGISTRATION**
  - b. **DISCUSSION:** Yokosuka base requires all personnel to be registered with base security, so I.D. cards can be scanned prior to entering the base.
  - c. **RECOMMENDATION:** Detail personnel must go to the ISD (security office), which is located at the main gate in the bottom floor of Club Alliance. Each individual must bring their orders, fill out the security form, get pictures taken and submit personal information to be entered into the base security computer. This allows each person to get on and off the base.
71. **KEYWORD: MEDICAL**
- a. **ITEM: MEDICAL REGISTRATION**
  - b. **DISCUSSION:** Base medical requires all personnel to go through a check-in process before one can be seen at medical.
  - c. **RECOMMENDATION:** All personnel should be registered at the hospital quarterdeck upon arrival to ensure anyone can be seen for emergencies or routine appointments.
72. **KEYWORD: SUPPLY**
- a. **ITEM: MATERIALS**
  - b. **DISCUSSION:** All material lists that need be quoted from either from Prime Vender or FISC will take time.
  - c. **RECOMMENDATION:** Proper planning on behalf of the project supervisors and crew leaders help with this problem. Allow a minimum of two weeks to a month for a BM to be quoted, and anywhere from a week for prime vender up to six weeks for FISC to receive the materials. To help speed up the evolution use Ben Yamamoto to translate your orders if the venders are unsure of what you're ordering.
73. **KEYWORD: SUPPLY**
- a. **ITEM: MATERIALS**
  - b. **DISCUSSION:** BM's based on English standard system are transferred to metric resulting in possible mistakes in transfer as well as extra time to make transition.
  - c. **RECOMMENDATION:** All materials ordered should be submitted in metric from the start not the English standard system.