



US Army Corps  
of Engineers®  
Far East District



# 2012 *YEAR-in-REVIEW*

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## From the Far East District Commander

### To Our Valued Customers and Stakeholders:



**Col. Donald E. Degidio, Jr.**

This annual Year-in-Review is provided to you, our customers and stakeholders, to show the many significant projects that have either begun, continued or were completed during 2012.

Without a doubt this has been an incredibly productive year for the Far East District! In terms of dollars and cents, one of the busiest ever with nearly \$310 million in construction contracts awarded for Military Construction (MILCON), Host Nation, Non-Appropriated Fund and Operations & Maintenance projects and about 2,000 contract actions executed.

Throughout the Peninsula our team of dedicated professionals has continued to Build Strong and meet the construction and engineering needs of United States Forces Korea. In Area I, the Live Fire Complex Projects that began in 2010 were completed; these included an 11,654-square foot Department of Public Works substation, and a vehicle maintenance facility.

In the greater Seoul area, K-16 Air Base welcomed the completion of its new commissary, the first ever for that installation. The Northern Resident Office also began a large scale warehouse renovation project at K-16 and completed multiple Job Order Contract projects for U.S. Army Garrison Yongsan.

The vast majority of our projects this year have been in Area III, primarily at USAG Humphreys in support of the Yongsan Relocation and Land Partnership Plans. The Fiscal Year 2009 MILCON Family Housing Towers are near completion and scheduled to be turned over by the end of this year. This modern complex consisting of three 12-story apartment buildings with underground parking will accommodate over 200 military Families. A few other projects highlighted in this Year-in-Review include the new multi-story hospital and dental clinic, completion of the AVIM hangar, C4I projects and many others.

At Osan Air Base work continued on the runway expansion, 36th Fighter Squadron Operations Maintenance Unit, and the 35th Air Defense Artillery Headquarters facility. Also at Osan we completed work on the Consolidated Army Facilities.

Further down the Peninsula in Area IV work began on the Barracks and Tactical Equipment Maintenance Facility and Health and Dental Clinic at Camp Carroll. At Camps Henry and Walker, the upgrade of electrical system and natural gas system and Barracks and Dining Facility projects are well under way.

At Chinhae, the Fleet and Family Town Center is well under way and scheduled for completion in September 2013.

Kunsan Air Base likewise has a lot of work going on. The Distributed Mission Training Flight Simulator is nearly finished and on track to be completed in January 2013. Other projects include the Petroleum, Oil and Lubricants Storage Tank, and Phase 2 of the Maintenance Complex Accessory Shop.

With all of these great projects we never compromise on safety. The Far East District safety program places an emphasis on management leadership and employee involvement. The safety of our employees, service members and contractors is something that is non-negotiable.

Without exception, we will continue to strive for excellence and be accountable. We remain committed to supporting USFK through the coming challenges and future opportunities. We look forward to yet a more rewarding 2013.





Range Operations Control Area, Story Live Fire Complex

# AREA I PROJECTS

## Warrior Base Projects



Infantry Platoon Battle Course, Story Live Fire Complex



Gym renovation, Warrior Base

Construction on the \$754,000 Republic of Korea-funded ammunition holding area project at Warrior Base started in Nov. 2010 and was completed in Dec. 2011. This project included construction of a reinforced concrete oval arch earth-covered ammunition storage magazine, site improvements, exterior utilities and two explosive storage magazines. The \$697,000 Operations and Maintenance renovation project of the existing gym at Warrior Base started in July 2011 and was completed in July 2012. This renovation project included architectural, HVAC system, plumbing, power, lighting, telephone/LAN system, fire alarm system, asphalt shingle roof, steel gutters and downspouts and exterior electrical work.

## Story Live Fire Complex Projects

Construction on the \$1.4 million Republic of Korea-funded electrical power distribution system project at Story Live Fire Complex started in Nov. 2010 and was completed in March 2012. The Electrical Power Distribution System distributes power from the switch gear via two overhead primary radial distribution lines through mountainous terrain along the existing security fence of the Story LFC. This project constructed a 22.9KV, 3-phase, 4-wire overhead primary radial distribution system which included an outdoor type 27KV metal enclosed switch gear, riser poles, underground primary lines from the riser poles to the switch gear, overhead primary distribution lines, concrete poles and hardware, pole keys, guy and anchors, fuse cutout

switches, and pole mounted distribution transformers.

Construction on the \$1.5 million Republic of Korea Funded Infantry Platoon Battle Course project at Story Live Fire Complex started in Nov. 2010 and was completed in April 2012. The Infantry Platoon Battle Course has four standard design training objectives consisting of a total of 33 target emplacements, five mortar simulation development emplacements, six observation/machine gun bunkers, an assault/defense house, wooden trenches, and an access road to each training objective. Primary facilities included a control tower, range control building, mul-

crete spillway with sliding type bar screen, concrete PCC paved access road, 0.3 meter thick gabion mattress, concrete depth charts and hydro seeding.

## Yongpyong Projects

Construction on the \$1.7 million Land Partnership Plan funded in-kind vehicle maintenance facility project at Rodriguez Live Fire Complex in Yongpyong started in March 2011 and was completed in Aug. 2012. This 5,689 square foot Vehicle Maintenance Facility included two repair

completed in Aug. 2012. The 11,654 square foot Directorate of Public Works Sub-Station facility included offices, seven shops, men's and women's shower, men's and women's locker room, men's and women's toilet, mechanical room, electrical room, communications room, storage warehouse, open covered storage, HVAC system, fire protection system, fire alarm system, communications system, power, lighting, site work, exterior utilities and a 272 square foot hazardous storage facility.

## Yawolsan and Kamaksan Projects

Construction on this \$282,000 OMA helipad project at Detachment L, Yawolsan, started in Sept. 2011 and was completed in Aug. 2012. This project included replacement of the existing helipad with a PCC concrete helipad, helipad lighting system and slope protection.

Construction on this \$449,000 OMA site improvement project at Detachment L, Yawolsan, started in Sept. 2011 and was completed in July 2012. This project included much needed renovation to the site compound infrastructure and to five buildings. The work included items such as installing security bollards and security cable at the main gate, replacing the existing guard shack with a new ballistic rated government furnished guard shack that complies with ATRP requirements, replacing the kitchen range hood with a new range hood with an extinguishing system, replacing emergency lighting, replacing lighting fixtures and ceiling tiles in the operations building, interior painting and exterior painting.

Construction on this \$451,000 site improvement project at Detachment K, Kamaksan, started in Sept. 2011 and was completed in July 2012. This project included much needed renovation to the site compound infra-



Sediment Basin 1, Story Live Fire



Sediment Basin 2, Story Live Fire



Sediment Basin 3, Story Live Fire



Sediment Basin 4, Story Live Fire

tipurpose building, ammo breakdown building and a concrete pad for portable latrines. Supporting facilities included electrical services, storm drainage, aggregate surface roads and site improvements.

Construction on two sediment basin projects at Story Live Fire Complex totaling \$1.2 million started in July and Sept. 2011 and were completed in June 2012. These projects to construct Sediment Basins 1, 2, 3 and 4 included a reinforced Portland Cement Concrete paved bottom, con-

bays, an admin office, unisex toilet, shower, communications room, electrical room, mechanical room, Heating, Ventilation, and Air Conditioning (HVAC) system, fire protection system, fire alarm system, communications system, power, lighting, site work and exterior utilities.

Construction on the \$2.5 million Land Partnership Plan Funded in-kind DPW Sub-Station project at Rodriguez Live Fire Complex in Yongpyong started in March 2011 and was



structure and to four buildings. The work included items such as installing security bollards and security cable at the main gate, replacing the existing guard shack with a new ballistic rated government furnished guard shack that complies with ATRP requirements, replacing interior doors with fire rated doors in the Operations Building, replacing the kitchen range hood with a new range hood with an extinguishing system, installing LAN, telephone and CATV outlets in the operations building, roof repair, replacing lighting fixtures and ceiling tiles, interior painting and exterior painting.



Vehicle Maintenance Facility,  
Yongpyong



DPW Sub-station, Yongpyong

## AREA II PROJECTS

### K-16 Project

This project was to convert an existing warehouse at K-16 Air Field for use as office space for Field Operating Base-Korea (FOB-K) which will be relocating from U.S. Army Garrison Yongsan as part of the Land Partnership Plan. The buildings will provide all supporting facilities including fire protection systems and utilities, new fence enclosure with access-controlled gates, landscaping and site development to accommodate the renovation including provision for parking spaces. The contract was awarded on April 9, 2012. The project is scheduled to complete on Oct. 9, 2013, at a cost of \$4.7 million.



# HUMPHREYS PROJECTS

*Family Housing Resident Office*

*Medical Resident Office*

*P2 Resident Office*

*Pyongtaek Resident Office*

## Family Housing Resident Office



### FY09 AFH MILCON Family Housing Towers

The MILCON Family Housing Towers are three 12-story apartment towers which will accommodate a total of 210 military personnel and their families. The towers include 140 three-bedroom units at 1,982 square feet, 52 four-bedroom units at 2,168 square feet, and 18 five-bedroom units at 2,447 square feet. Ancillary facilities include tot lots, multi-age playgrounds, and an underground parking garage that accommodates 285 vehicles. The project was awarded in June 2009 to Daelim Industrial and the construction cost is \$127 million. The project is scheduled for completion at the end of Dec. 2012. The photo on the left was taken in Oct. 2012, when air balancing, commissioning, and completion inspections were ongoing.

FY09 MCA Family Housing Towers





## Build-to-Lease, Senior Leader Quarters Complex

The Senior Leader Quarters complex provides housing for unaccompanied officers and senior enlisted (E7-E9) personnel. The facilities were constructed by Daelim Construction and include four 96-unit towers with underground parking. This is a Build-to-Lease project, which frees up scarce military construction resources by leveraging private sector capital to build, operate, maintain, and improve the facilities. The Government lease is for 15 years with options to renew, and the leasing officer is the HQ USACE Director of Real Estate. Construction NTP was issued to Daelim Industrial on Sept. 30, 2010, and the first occupants arrived on Aug. 17, 2012. The construction cost was \$59,974,676.

## CY08 YRP Elementary and High School

This project is the first vertical construction project in the YRP program. It includes an 875-student elementary school and a 950-student high school. The three-story facilities have 215 class rooms, 12 ball fields, multiple playgrounds, green spaces, parking for 624 vehicles, and an area designated for future expansion of the high school. Quality assurance is performed by K-C PMC, and FED is responsible for construction surveillance. The project was awarded in June 2011 to the Samsung Consortium at a cost of \$83.9 million and is scheduled for completion in June 2013. By the end of CY 2012, all exterior construction will be completed and the contractor will finish the interior work.

## CY11 ROKFC-in-Kind Child Development Center

This project is a standard design child development center for 338 children between six weeks and five years of age. The site includes outdoor play areas and parking for 146 vehicles. It will provide childcare support to the military and DOD civilian workforce working on USAG Humphreys. It was awarded in Oct. 2011 to Pумыang Construction at a cost of \$10.4 million and is 5 percent complete. Completion is scheduled for April 16, 2014.

## CY09 YRP-Funded Eighth Army Barracks

The Eighth Army Barracks consists of five 8-story buildings, each designed for 302 unaccompanied enlisted personnel. Landscaping includes two basketball courts, two volleyball courts, pavilions, bike racks, and a troop assembly area. The project was awarded to Hyundai Engineering & Construction in Oct. 2012 at a cost of \$112 million and is scheduled to be completed in Jan. 2015. As of Nov. 2012, the contractor is providing initial submittals in preparation for constructing their field office.



Rendering of CY09 YRP Eighth Army Barracks



## Medical Resident Office

### CY08 YRP Hospital and Ambulatory Care Center/Dental Clinic

The two projects were awarded in July 2012 to Samsung C&T Corporation with a combined construction cost of \$156,812,000. The hospital includes an acute care inpatient facility (hospital wing) and an outpatient clinical/ambulatory care center (clinic wing). The hospital wing has six active levels, basement through level 5, including a mechanical interstitial space at level 3. This wing primarily contains ancillary and inpatient support functions at the lower two levels, with inpatient nursing units at the upper two levels. The hospital has been designed to accommodate 68 inpatient beds with 40 in nursing/multi-care, six in intensive care unit (ICU), six in women and infant, two in labor/delivery and 14 in behavioral health. The clinic wing has five active levels, ground through level 5, plus a mechanical penthouse on the roof. The clinic wing's five levels are primarily dedicated to outpatient clinical services and administration. The Hospital and Ambulatory Care Center is schedule for completion in Sept. 2015.

The Dental Clinic includes 79 total Dental Treatment Rooms made up of Oral Hygiene, General, Pediatrics, Orthodontics, Comprehensive, Prosthodontics, Endodontics, and Periodontics. Offices for providers in the work areas have been provided. The Dental Clinic is scheduled for completion in Dec. 2013.



Rendering of CY08 YRP Hospital and Ambulatory Care Center



Rendering of CY08 YRP Dental Clinic

Installation of concrete forms for electric duct bank, Parcel 2B2



250,000-gallon elevated water storage tank, Parcel 2A



Concrete placement for electric duct bank, Parcel 2B2



## P2 Resident Office

### ROKFC – Land Development and Utilities Infrastructure – Parcel 2A and Existing Humphreys

The Land Development and Utilities Infrastructure Project is the largest design-build contract ever for FED. The \$480 million design-build contract is for land development and utility systems and infrastructure on the existing garrison and in the acquired land for expansion of USAG Humphreys in accordance with the Yongsan Relocation Plan. The effort has required hauling, placing and compacting millions of cubic meters of engineered fill in approximately 570 acres in the land area adjacent to USAG Humphreys designated as "Parcel 2A." Parcel 2A is divided into 13 sub-zones. The work in each zone is scheduled and sequenced in a manner to support the schedules for vertical construction in the coming months/years. P2RO and contractor organize an outstanding project team that partnered throughout design and construction, delivering the customer with an outstanding product and quality of work. The contractor continues to construct roads and storm water drainage systems and install utility networks for water, sewer, electric, natural gas, and command, control, communications, computers and intelligence in utility corridors throughout Parcels 2A, 1, K and existing Humphreys. This contract includes making final connections with the local municipal utility providers: Pyongtaek

City for water and sewer, KEPCO for electricity, and Samchully for natural gas. All lines are now connected, except for water which is scheduled to happen this year. Work also includes a switching-station and water chlorination plant, storage tanks, lift stations and demolition of existing buildings on USAG Humphreys. The contractor demonstrated its commitment to safety by achieving zero lost days of work due to work related accidents. P2RO maintains a positive relation with the stakeholders and customers to achieve a common goal and partners with contractor to minimize any construction delays.

### YRP – Land Development and Utilities Infrastructure – Parcel 2B1

The Land Development and Utilities Infrastructure Project is a turn-key contract to provide land improvements and utilities on 820 undeveloped acres. The scope of work includes the design of soft soils preparation and placement of four million cubic meters of engineered fill requiring extensive hauling of off-site soils. Its purpose is to upgrade rice paddies into buildable sites which will sustain pile foundations as required for the future vertical structures and prevent differential settlement of horizontal structures. This contract totals \$151.7 million and it has been awarded by the Republic of Korea Ministry of National Defense. The project began in fall 2009 and is scheduled for completion in April 2013. With construction of soil improvement,





the contractor will also design and construct five miles of roads and utility systems for water and fire protection, 2.3 miles of sewer lines, 3.7 miles of electrical power, 3.7 miles of natural gas, and 6.5 miles of C4I (command-control-communications-computers and intelligence). The contractor has nearly completed landfill and has started the first phase of electrical utilities work. Any vertical construction projects are already underway in the filled land.

### Yongsan Relocation Plan – Site Preparation and Utilities Facility Construction – Parcel 2B2

This turn-key contract provides land improvements and utilities on 605 undeveloped acres. The scope of this contract involves the design of soft soils preparation and construction of 3.5 million cubic meters of engineered fill. It includes on-site excavation of about 2 million cubic meters of soils from existing detention basins that has been dried and compacted to be used as engineered fill. Concurrent with construction of soil improvement, the contractor is also designing and constructing five miles of roads and

utility systems for water and fire protection, three miles sewer lines, four miles of electrical power, 4.4 miles of natural gas, and 7.2 miles of C4I. This design includes the future site for much of the new “downtown, housing, and the Humphreys’ golf course. This contract totals \$155.3 million and it was awarded by the Republic of Korea Ministry of National Defense. The project began in fall 2009 and is scheduled for completion in July 2013. The contractor has started first phase of electrical utility work. 2B2 land development continues.

### CY11 ROKFC-in-Kind Warrior Support Area Distribution Node

This project entails construction of a single story, 95 square meter, concrete building for distribution of communication systems in the area. It is located on the east side of 5th street in zone 2B1-12. The Area Distribution Node building will be used as the center of communication distribution for that area. Construction of this \$3 million facility began in 2012, and scheduled for completion in Aug. 2013. The construction contractor is Fine Construction Co. Ltd. It was designed by AMKOR A&E.

## HUMPHREYS PROJECTS

### Pyongtaek Resident Office

#### CY12 ROKFC-in-Kind, Physical Fitness Facility

This Physical Fitness Facility project involves constructing a standard design for a small physical fitness facility having a total area of 4,100 square meters with fitness area, gymnasium, two racquetball courts, aerobic room, combative mat, locker rooms, sauna, showers, administrations, laundry, lobby, circulations, and support spaces. Supporting facilities include exterior utilities, electrics, fire protection alarm systems, parking lots, paving, walks, curbs and gutters, downspouts, storm drainages, signage, fuel storage tanks, information systems and other site improvements. Heating and air conditioning will be provided by self-contained systems. Access for individuals with disabilities will be provided.

This project was awarded in June 2012 and the total project cost was \$9.6 million. The scheduled completion date is June 2014.



Rendering of Physical Fitness Facility

system has three major components: a ground loop (buried pipe system), the heat pump (inside the building) and a heat and cooling distribution system (aka air handling units). It is expected to save approximately 30 percent on energy costs. Such energy savings will be verified by reading meters on geothermal equipment and by use of previous year fuel and electrical consumption.

The Geothermal Heat Pumps project was awarded in Sept. 2011 and the total project cost was \$2.1 million. The completion of this project was scheduled for July 2012. The project was completed and delivered on time and on budget without any accidents.

#### FY11 ECIP MCA, Geothermal Heat Pumps

The Geothermal Heat Pumps project is to replace existing conventional heating and air conditioning systems with Geothermal Heat Pumps in USAG Humphreys Community Activity Center in order to meet the mandated energy conservation measures in Energy Policy Act 2005, reduce emissions, and meet the renewable goal of the Energy Independence and Security Act of 2007. The GHP

#### FY09 MCA, Vehicle Maintenance Facility

This project involves constructing a standard design vehicle maintenance facility to include organizational storage building, installation storage facility, and an oil storage building. Pile foundations are provided for the vehicle maintenance shops. Also included are alarm systems, fire protection, building information systems, and features required under Sustainable Design and Development and Energy Policy Act of 2005. Supporting facilities include utilities; electric service; security lighting; fire protection and alarm system; non-organizational parking; paving, walks, curbs and gutters; fencing (chain-link); oil water separators; fuel-oil storage; information system; and site improvements. Heating is provided by a self-contained system. Air conditioning is provided by a self-contained system in the administrative area. Antiterrorism/force protection measures include laminated glass, blast resistant doors and window





CY11 Eighth Army Barrack and Dining Facilities, Site 1

frames, ballistic obscuring and seismic detailing. The site also has exterior security lights, passive vehicle barriers and landscaping for visual screening. Access for individuals with disabilities is provided as well.

The VMF030 project was awarded in Feb. 2009 and the total project cost was \$12.9 million. The project was completed and turned over to the user in July 2011.

### CY11 Eighth Army Barracks and Two Dining Facilities

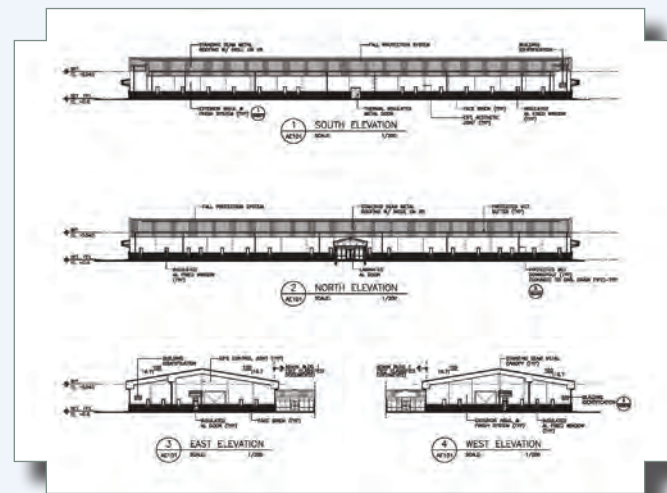
This CY11 ROKFC-in-Kind project includes one barracks building and two dining facilities buildings. One dining facility (Site 2) is located adjacent to the newly completed FY07 MCA barracks buildings. The other two buildings, barracks and DFAC are located in the new land, on Parcel 2A (Site 1). The Barracks is a standard design, 302-person, 8-story building. The Barracks building is approximately 10,827 square meters in floor area and constructed of reinforced concrete with an Exterior Insulation and Finish System and brick exterior finish. The roof is a Standing Seam Metal Roof System.

The two DFAC's are 1,300 person each. Each DFAC is a single story building with an area of approximately 2,401 square meters. Construction is reinforced concrete with a structural steel Roof Truss system.

Awarded in May 2010, project cost is \$35.7 million. The completion of this project is scheduled for Nov. 2013.

### FY08 MCA, Battalions Headquarters

A 501st Military Intelligence Headquarters Complex is comprised of a brigade headquarters and a battalion headquarters. This project involves constructing a single story battalion headquarters having a gross area of 26,000 square feet including special foundation, antiterrorism measures and building information systems. Supporting facilities includes underground utilities, exterior lighting, paving, walks, curbs and gutters, fencing and gates, parking, dumpster pads, storm drainage, fuel storage tanks, information systems and landscaping. Heating will be provided by dual



FY08 MCA, Battalion Headquarters



CY11 Eighth Army Barrack and Dining Facilities, Site 2

fuel system. Antiterrorism will be provided by structural reinforcement, special windows and doors, mass notification systems and site measures. Access for individuals with disabilities will be provided in public areas.

The Battalions HQ project was awarded in Sept. 2012 and the total project cost is \$5.5 million. The scheduled completion date is March 2014.

### CY11 ROKFC-in-Kind HBCT Vehicle Maintenance Facilities

This CY11 ROKFC-in-Kind project involves constructing two standard design Medium Tactical Equipment Maintenance Facility (TEMF) complexes (56656 and 58399), each complex comprising one eight bay vehicle maintenance facility that is 35,290 square feet; organizational storage facility having 15,000 square feet for complex 56656 and 8,000 square feet for complex 58399; concrete organizational parking for tracked vehicles having 341,000 square feet for complex 56656 and 396,000 for complex 58399; oil storage building with 650 square feet; HAZMAT storage facility with an area of 650 square feet.

The purpose of complex 56656 is to support a Brigade Support Battalion, Fires Brigade, its three organic Companies, as well as consolidated Fires Brigade Headquarters Battery, Signal Company and Target Acquisition Battalion. For the complex 58399, the goal is to support a Multiple Launch Rocket System Field Artillery Battalion and its four organic

Batteries and a Forward Support Company.

Both complexes include special foundations, building information system, fire protection and alarm, connection to energy monitoring and control system (EMCS), intrusion detection system (IDS), Antiterrorism/Force Protection including mass notification system and site measures, access for persons with disabilities, HVAC systems, vehicle exhaust system and compressed air system in the VMF bays. Furthermore, the supporting facilities include underground utilities, security lighting, parking, paving, walks, curbs and gutters, fencing and gates, bike racks, dumpster pad/trash enclosure, storm drainage, oil/water separators, waste fluid recycling, signage, and fuel oil storage tanks.

The VMF090, as commonly referred to, is awarded in Dec. 9, 2011, and the total project cost is \$47 million. The completion of this project is scheduled for Feb. 8, 2014.

### CY04 ROKFC, Parcel 1 Site Work

The land area of the project is approximately 205 acres. This project consists of rough grading, bringing land areas up to building elevation (approximately 3.2 million cubic meters of fill), storm drainage and one open channel for storm drainage. Also, includes asphalt roads, concrete sidewalks, bridge culvert and sodding. The contract amount was \$30 million. This project was completed and turned over to DPW in early Jan. 2012.



# KOREA RELOCATION PROJECTS

FY12 saw a continuing increase in the momentum for the massive Korea Transformation Program with significant progress being made on numerous projects and task orders, and initiation of new actions. The program consists of the Yongsan Relocation Plan, funded directly by the Republic of Korean Government, and the Land Partnership Plan, resourced by various U.S. controlled funding programs; Military Construction- Army, Republic of Korea Funded Construction, ROKFC-in-Kind, major non-appropriated fund and other sources. As of the end of FY12, there were 74 projects valued at \$4.5 billion in design and 32 projects valued at \$1.7 billion under construction. To date construction has been completed on 15 projects valued at \$504 million.

During this calendar year the district had 47 Yongsan Relocation Plan projects valued at \$2.8 billion in various stages of design. At the end of the year, five Criteria Packages were still in the development stage, 21 Criteria Packages had been completed and Ministry of National Defense USFK Base Relocation Office (MURO) was in the process of acquiring the team to complete the design, and 14 Criteria Package projects were in the completion of design stage. FED was proceeding with the full design of seven special projects.

A notable action this year was the agreement between the U.S. and ROK that for select critical criteria packages the U.S. would take the design beyond the minimum 30 percent development. To date, two critical projects have been selected for this “enhanced criteria package” approach. The enhanced criteria package for the Eighth Army/IMCOM-P/CNRK Headquarters was completed and delivered in September and the Enhanced Criteria Package for the KORCOM Headquarters was delivered in November. The district was also preparing the 100 percent design for six special facilities valued at \$475 million, of which four designs were delivered during this year.

Construction for the Yongsan Relocation Plan picked up with the award of the hospital and ambulatory care center and dental clinic in June and the award of the SPARTAN Site B project in May. The construction is aggressively progressing on the high school and first elementary school toward the June 2013 beneficial occupancy date. The site

adapt design for the Eighth Army Barracks (five buildings) was completed September and awarded for construction in October as the first project awarded under the ROKG new Criteria Package Technical Proposal (CPTP) process. The SPARTAN Site A project was advertised using a 2-step process with the step 2 bids due in late October. Of the special projects, MURO was preparing the advertisement package for the communications center and C4I outside plant cabling as the year ended.

Steady progress has been made this year on the understanding of the process for managing the design and construction of secure facilities. With numerous meetings and briefings, the project development teams for each project have been able to move their projects forward. The small YRP SPARTAN Site B project was awarded for construction in the June and the FY08 MCA project for the military intelligence battalion and brigade headquarters was awarded September. The award of this MCA project was a significant milestone for the district as it required reprogramming approval by Congress due to the significant increase in cost to meet the new Intelligence Community Directive 705 criteria for secure work areas. The Far East District has engaged MURO and MND Defense Installation Agency to begin development of plans to implement the use of U.S. cleared contractors to construct the secure areas within the larger secure facilities which will be constructed by a local Korean contractor under contract to the ROK government.

Significant progress was made on the 23 LPP and others program. There were 24 LPP and others projects valued at \$1.7 billion in various stages of design or construction acquisition. Design for six CY12 ROKFC-in-Kind projects were completed and released to MND’s Defense Installation Agency for award of the construction. These include two vehicle maintenance facility complexes with two multiple company operations buildings for five companies each, an NCO academy with unaccompanied personnel housing, the NCOA simulation center, troop support area facilities and wash facility and driver’s training course. These projects are all scheduled to be awarded before the end of Dec. 2012. The remaining 16 projects are in various stages of design during the year. Design for the

ROKFC-in-Kind heavy brigade combat team vehicle maintenance facility IV and the FY13 MCA battalion headquarters complex were completed, waiting for authority to advertise.

The projects in design included two barracks projects, the consolidated fire support headquarters, 2nd Infantry Division HQ with secure area, bulk fuel storage tanks with pumps, small unit training course, senior leaders quarters and senior officer housing, the 2nd Infantry Division Museum, the U.S. share of the C4I outside plant cabling, expansion of the 2nd Combat Aviation Brigade vehicle maintenance facility parking and a new secure facility for military intelligence in the Zoeckler Station area. An elementary school design was being restarted at the end of the year after delay to confirm its proper site.

In construction of the LPP and others program, the build to lease senior leaders quarters with 384 living spaces and FY09 Army family housing towers with 210 apartments in Parcels 1 and K were completed and turned over in October and December respectively. Partial occupancy of the two southern senior leaders quarters buildings had taken place in July and full turn-over occurred in October with acceptance of a sewage lift station serving the northern two buildings. The ROKFC-in-Kind vehicle maintenance facility with Company Operations Facilities for the 2nd Combat Aviation Brigade, two ROKFC VMFs with Company Operations Facilities for Signal and the FY09 MCA vehicle maintenance facility for military intelligence were completed this year. Six vehicle maintenance facilities were in various stages of construction with two FY10 MCA vehicle maintenance facility projects at 99 percent complete and two ROKFC vehicle maintenance facilities at 90 percent.

A FY10 MCA project was underway to replace the main fire crash and rescue station adjacent to the airfield and construction of a satellite fire station in the Zoeckler Station area was at 45 percent. Progress has improved following an expedited reprourement effort when the original contractor defaulted. The ROKFC Downtown Area Distribution Node Facility was awarded in October. In the ROKFC-in-Kind program a contract of a new theater aviation maintenance hangar project was completed. Eight ROKFC-in-Kind projects were under construction including a new airfield operations building, the consolidated heavy brigade combat team headquarters, three projects to construct seven barracks and three dining facilities, warrior support area distribution node, Type II aircraft parking and a child development center. An Energy Conservation Improvement Program project was completed for installation of geothermal heat pumps in the community activity center generating significant

energy savings.

Land development progressed well in the new land. The Parcel 1 and Parcel K Land Development contracts were completed and accepted by the garrison in the fall of 2011. Land fill reached 98 percent in Parcel 2A, 49 percent in Parcel 2B1 and 50 percent in Parcel 2B2. There were significant impacts to the overall designs, especially for utilities, with the approval of the 2011 master plan revisions in Jan. 2012.

Based on these changes SK Engineering & Construction Co. conducted a major update and revision to the utility studies to determine the extent of utility designs changes which are being used to revise the designs of the three contracts as required. Negotiations on the redesign effort were proceeding as the fiscal year ended. Daewoo Engineering & Construction Co. coordinated completion of land fill zones in Parcel 2B1 to support the start of four ROKFC-in-Kind projects during the year; warrior support area distribution node, heavy brigade combat team vehicle maintenance facilities I, heavy brigade combat team barracks with physical fitness facility and fire support vehicle maintenance facilities II. GS Engineering & Construction Co. completed the land fill of the site in Parcel 2B2 for construction to start on the ROKFC-in-Kind child development center. All three land development contractors have completed or are completing the sites for the six ROKFC-in-Kind projects mentioned in the design paragraph above to begin construction in the spring of 2013 without impact to the schedule.

The Task Order Management Branch oversaw the Program Management Consortium, a joint venture of Kunwon and CH2M Hill. PMC assisted in numerous areas for the management of overall program issues, developed or updated briefings and performed key program analysis. Major deliverables were the airfield ADP update, CY12 master plan update and the updated March 2012 program baseline schedule was staffed and jointly approved as the new program baseline. During the year, the PMC basic contract was extended to Nov. 2017 and modified to include fixed fee type task orders. Task orders JTO 19 for CY11 program management services and JTO 20 for CY11 C4I program management services were completed and closed. JTO 16 for the program management office was completed. JTO 21 for CY12 program management service and JTO 22 for CY12 C4I program management services were developed, negotiated, and awarded. As the year ended Fixed Fee type task orders JTO 23 and 24 for CY13 general and C4I program management services were in development with MURO.



# OSAN AIR BASE PROJECTS

## 2nd Runway Phase II, Combined Defense Improvement Project

The construction contract for this CY06 Combined Defense Improvement Project was awarded on April 7, 2011 with a scheduled to be completed in Sept. 2013 by MND DIA. This \$52 million project will construct a Class B (9,000 feet long, 150 feet wide) Portland Cement Concrete runway, 700 feet north of (and parallel to), and the existing runway. The project includes 1,000-foot aircraft overruns, 25-foot aircraft shoulders, three connecting taxiways, as well as the relocation of numerous facilities. This year the North perimeter road, perimeter fence, Air-field Damage Repair pad, Land Farm, Patriot Missile pads, Patriot Tactical Operations Center, Vulcan Battery Rapid Response, Defensive Fighting Position, and Vulcan gun



35th Air Defense Artillery Brigade Headquarters and Parking Structure



2nd Runway Phase II

pads were completed and turned over to the Base. Currently work is ongoing with taxiway echo, box culvert, main runway and lighting vault.

## FY07 ROKFC, 35th Air Defense Artillery Brigade Headquarters and Parking Structure

The construction work for this FY07 Republic of Korea Funded Construction project started on March 12, 2010 with a scheduled to be completed in June 2012 for 35th ADA BDE HQ and in Feb. 2012 for parking structure. This \$27.7 million project consists of constructing 35th ADA BDE HQ, Parking Structure and Army Facilities. Brigade headquarters will be five stories above ground housing administrative offices for the 35th ADA BDE, headquarters & headquarters battery and bravo battery, and three Battlefield Coordination Detachment-Korea administrative offices. Also, 35th ADA BDE tactical operations center will be located in 2-stories below ground for supporting the daily and contingency operations of the War Operations Center, ADA Element, the Fire Direction Center, Critical Communications systems, and providing contingency workspace for the 35th ADA BDE Brigade staff. Since the TOC is conceived as a functioning contingency facility, it will also provide contingency living facilities, including rest and ready rooms, latrines & showers, lockers, and storage facilities. This facility will also support daily operations of the Brigade HQ on a limited basis. The Parking Structure was completed to support the needs of the new Brigade HQ facility, the existing 7th Air Force facility, the Korea Air Simulation Center, and other nearby office and service facilities. The new parking structure provided 274 parking spaces on five levels. This is an increase of 240 spaces over the existing 30 spaces.

## ROKFC-in-Kind, 36th Fighter Squadron Operations/Aircraft Maintenance Unit

The construction contract for this CY11 ROKFC-in-Kind project was awarded on Nov. 3, 2011 with a

scheduled completion date in July 2014, by MND DIA. This \$14 million project will provide a semi-hardened building to house 36th FS Operations and Aircraft Maintenance Unit including a new chemical-biological collective protection system, reinforced concrete foundation, floor slab with thickened concrete walls and roof, fire detection/suppression system, stand-by generator, fuel storage tank, communication system, adequate parking space for building occupants, and utilities and supports.



36th Fighter Squadron Operations/Aircraft Maintenance Unit

## CY09 ROKFC-in-Kind, Hot Cargo Pad

The construction contract for this CY09 ROKFC-in-Kind project was awarded on Nov. 25, 2010. This project was completed on Oct. 30, 2012, by MND DIA. This \$9 million project was provided Osan Air Base with a new hazardous cargo pad and associated taxiway. The pad is capable of supporting the full weight and turning radius of C-5 aircraft.



Hot Cargo Pad Under Construction



Completed Hot Cargo Pad



Hydrant Fuel System



Joint Senior NCO Dormitory



## Hydrant Fuel System, MILCON/DLA Funded Construction

The construction work for this FY10 MILCON project, funded by the Defense Logistics Agency, started on Aug. 27, 2010, with a scheduled completion in Feb. 2014. This \$18.7 million project includes replacement of the existing JP-8 fuel hydrant system with a Type IV hydrant system (1,800 GPM maximum capacity) consisting of two 70,000 BBL (2,940,000 U.S. gallons) cut-and-over operating tanks, a 6,500-ft long, 10-inch diameter fuel hydrant piping loop, and other associated equipment and systems. The steel shell for the first of the two large tanks is completed and the outer concrete wall is in progress. The first phase is physically completed but the fuel system start-up and commissioning is remaining now. The second phase will be started in Jan. 2013.

## CY11 ROKFC-in-Kind, Joint Senior NCO Dormitory

The construction contract for this CY11 ROKFC-in-Kind project was awarded on Oct. 14, 2011, with a scheduled completion date in Oct.



Rendering of Joint Senior NCO Dormitory

2013, by MND DIA. This \$32.9 million project will provide the construction of a new 8-story senior NCO dormitory. Primary facilities include one-bedroom living units, multi-purpose activity rooms, public restrooms, bulk storage, and mechanical rooms. Supporting facilities include utilities, electric service, fire protection, exterior lighting, parking, storm drainage, fuel oil storage tank, information system, and site improvement. The facility will meet all applicable DOD ATFP requirements including minimum standoff distances.

## CY07 ROKFC, Consolidated Army Facilities

The construction contract for this CY07 ROKFC project was awarded on July 8, 2010, and was completed and turned over to the customer in Nov. 2011, to support 51st CES mission without expediting cost. This \$2.4 million project provided two maintenance bays with floor radiant heating, admin offices, break room, tool room, Haz waste storage, oil storage and battery storage, 40 parking spaces for High Mobility Multipurpose Wheeled Vehicle, 16 parking spaces for HMMWV trailer, 10 parking spaces for Medium Tactical Vehicle and one parking space for fuel trailer.

## Repair Airman Dorms B1365 & B1366, Operation and Maintenance Air Force Funded Projects

This \$8.5 million project consists of renovating the interior of two dormitories, Building 1365 and Building 1366, for the U.S. Air Force. The contract was awarded on July 22, 2011 to Fine Construction Company, Ltd. Both of these are currently making good progress and are scheduled to be completed by May 26, 2013. These dormitories will be used to house Airmen that are assigned to Osan Air Base. Each facility is a 3-story building with approximately 60 living spaces on each floor. One of the dormitories, Building 1365, suffered severe fire damage in April 2010, caused by electrical system failure. The scope of work consists of removal and repair and/or replacement of floors, ceilings, walls, cabinets, etc and includes civil, architectural, mechanical, electrical, and fire protection items. Also, new plumbing fixtures, HVAC duct system, wet pipe type sprinkler systems, and interior finishes are included in this project's scope. All of the work is based on the standard design of dormitory building types designed by the U.S. Army Corps of Engineers, Far East District.

## ROKFC-in-Kind, EOR Arm/Disarm Area

The construction contract for this ROKFC-in-Kind project was awarded on June 11, 2012, with a scheduled completion date in Dec. 2013, by MND DIA. This \$3.4 million project will provide Osan Air Base with a second arm/disarm area. The base has not release the construction

site to the contractor yet, it is schedule to be released in the spring FY13.

## ROKFC-in-Kind, Upgrade HTACC/KCOIC

This project requires construction throughout areas of these two hardened, interconnected facilities to upgrade life/safety/health components and infrastructure, and to improve living conditions in support of 24-hour operations. The work plan is complex due to the need for continuous occupant use during construction, and requires 28 phases (groupings of rooms) in each building to be carried out sequentially. The 2012 work plan has required several adjustments to accommodate user needs; however, work has proceeded in an orderly and efficient manner. A total of \$878,000 worth of user requested changes to include both addition and deletion of twenty five items are being processed this year. The substation construction has been completed and total of 81 rooms out of 139 rooms are due to be finished before year's end. The construction contract for this CY10 ROKFC-in-Kind project was awarded on Sept. 3, 2010, with a contract period of two years and a cost of \$12,462,000. The contract is held by MND DIA.



Consolidated Radar Approach Control/Airfield Management Tower Facility

## Airman Dormitory 156 Person, Air Force Military Construction

The construction contract for this FY12 MILCON project was awarded on March 13, 2012, with a schedule to be complete in Feb. 2014. This \$14.8 million project will provide a new 5-story, 156-person Airman Dormitory to house permanently-stationed personnel at Osan Air Base, be LEED (Leadership in Energy and Environmental De-



MCP Airman Dormitory



sign): New Construction 2009 (v3.0) Silver Certifiable, and comply with DOD ATPF requirements. The new dormitory will consist of 4-plex modules, lounge, public restrooms, bulk storage, communication and mechanical rooms.

### **CY10 ROKFC, Consolidated Radar Approach Control/Airfield Management Tower Facility**

The construction work for this CY10 Republic of Korea Funded Construction project started on March 23, 2011, with a scheduled to be completed in May 2013. This \$10.8 million project consists of constructing one-story building for the Radar Approach Control/Airfield Management and a nine story Air Traffic Control Tower to be utilized by the 51st Operations Support Squadron. The Radar Approach Control/Airfield Management will provide working spaces for the administrative functions, operations, equipment maintenance and repair, storage rooms, toilets and other special spaces for the users such as distinguished visitors and airmen lounges, break room, conference and training rooms. The Air Traffic Control Tower will include Control Cab on the 9th floor, mechanical rooms, equipment

room, training room, ready room/break room, and admin areas will include chief control office and admin.

### **Repair 5th Reconnaissance Squadron, B-878, Military Operation and Maintenance Funded Project**

FY12 OMAF project was awarded on Sept. 11, 2012, with a scheduled completion date in June 2013. This \$1.1 million project will provide 5th Reconnaissance Squadron with a newly renovated facility. This project is scheduled to start on Jan. 5, 2013, once offshore material arrives in country.

### **Spartan Site B, Yongsan Relocation Plan Project**

CY07 YRP project was awarded on June 14, 2012 with a scheduled to be completed in Feb. 2013. This \$0.9 million project will provide a newly renovated facility for the user. This project is at 25 percent complete with no issues.

# **AREA IV PROJECTS**

### **FY12 MCA, Barracks and Tactical Equipment Maintenance Facility, Camp Carroll**

The construction work for this FY12 MCA Construction project started on Feb. 24, 2012 with a scheduled completion in Dec. 2015 for Camp Carroll. This \$27.6 million project consists of constructing a mortar pool, parking area, and barracks. The Tactical Equipment Maintenance Facility will be constructed at two separate locations with the main TEMF building and support facilities constructed at the main TEMF site and additional parking constructed approximately 380 meters away, adjacent to the barracks. The motor pool will be a 17,450-square foot, one story building, and the barracks will be a 302 person standard 8-story building.

### **FY11 DODM Health and Dental Clinic, Camp Carroll**

The Health Clinic and Dental Clinic at Camp Carroll, USAG Daegu will be finished in June 2014 at a cost of \$10.6 million. This two story facility includes civilian employee health preventative medicine, after hours walk-in care, radiology, laboratory, pharmacy, dental clinic, and other support facilities. General site improvements include roads, sidewalks, utilities, and services to support the new facility. In addition two buildings, S-263 the existing troop medical clinic (11,000 square feet), and S-137 the existing dental clinic (2,800 square feet) will be demolished.



*Health and Dental Clinic, Camp Carroll*



## FY11 MCA, Upgrade the Electrical System and Construct Natural Gas System, Camp Walker

The project is to upgrade the electrical substation and distribution system including underground electrical distribution lines, ducts, manholes, pad-mounted transformers, capacitors (to maintain the power factor, over-current, thermal, and ground fault protection), voltage regulators, line switches, switchgears, and pad mounted junction boxes. The upgrade will convert the overhead distribution lines to an underground distribution system. Natural gas construction includes all gas distribution lines, regulators, leak detectors, automatic meters, gas equipment facilities, connection fees, replacement/modification of existing fuel oil burners/heaters, connection to boilers/heaters, and removal of existing heating fuel oil lines and tanks. Supporting facilities include restoration of paving, sidewalks, curbs and gutters; removal of paving, sidewalks, curbs, gutters, poles, wiring, and transformers and associated hardware. This \$17.8 million project began in May 2011 and will be completed in the summer of 2013.



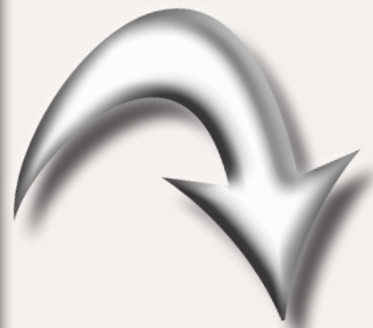
Rendering of Barracks and Dining Facility, Camp Henry

## CY08 ROKFC-in-Kind Controlled Humidity Warehouse

The Controlled Humidity Warehouse is a multi-story 350,000 usable square feet humidity controlled war reserve warehouse. The facility stores critical Army Pre-Positioned Stocks-4 equipment. This \$36 million project began in Dec. 2009 and was completed in Jan. 2012.

## FY12 MCA Barracks and Dining Facility, Camp Henry

This project consists of a 10-story, 298-person barracks and 500-person Dining Facility located on Camp Henry in Daegu. The project began in April 2012 with an anticipated completion date of July 2014. The total cost for these facilities is \$32 million.



# CHINHAE PROJECTS

## CY09 ROKFC Fleet and Family Town Center, Chinhae

The construction work for this CY09 Republic of Korea funded project started on Nov. 29, 2010, with a scheduled completion date of Sept. 2013.

This \$18.6 million project will co-locate most of the family support function under one roof. This 3-story facility will include the police station, training center, family service center, academic instruction building, post office, bank, exchange, and commissary.



Fleet and Family Town Center, Chinhae

## CY07 ROKFC-in-Kind, Motor Pool Project, Chinhae

The construction work for this CY07 Republic of Korea Funded Construction-in-Kind project located at Chinhae Naval Base started in June 2010 with a scheduled completion date in May 2013.

This \$1.98 million project consists of a 2-story Vehicle Maintenance Facility with a total area of 76.3 square meters. The building contains three maintenance bays along with administrative and storage areas. The building is a cast-in place reinforced concrete and steel structure, and includes Korean tile metal roofing system and Exterior Insulation and Finish System exterior walls.



Natural Gas Station and Motor Pool, Chinhae



# KUNSAN PROJECTS



*Petroleum, Oil and Lubricants Storage Tank System*

## FY11 OMAF, Petroleum, Oils and Lubricants Storage Tank System

The Petroleum, Oils and Lubricants Storage Tank System contract was to replace obsolete above ground storage tanks (ASTs) with containerized ASTs and all ancillary equipment to provide functioning fuel storage and delivery system. In total, there were 33 new POL storage tanks systems installed at Kunsan Air Base and three installed and Kwangju Air Base. The final value for this contract is approximately \$4 million.

## CY09 ROKFC-in-Kind, Maintenance Complex Phase 2 Accessory Shop

This project is part of a large maintenance complex that includes a fabrication, armament, and accessory shop. Phase 1 and 3 were ROK-funded construction projects that provided the fabrication and armament shops and completed in Sept. 2011. Phase 2 is ROKFC-in-Kind project and will provide a maintenance facility for the accessory shop and includes four functional areas: wheel and tire, hydraulics/electrical, external tank, and Squadron CSS/Program Flight UCC. The contract was awarded on Oct. 24, 2010, for approximately \$8 million, is 90 percent complete and the completion date is the end of Dec. 2012.



*Maintenance Complex Phase 2*

## FY11 MILCON, Construct Distributed Mission Training Flight Simulator

This project constructs a new Distributed Mission Training Flight Simulator. The flight simulator will give the Air Force a cost effective method to train their pilots. The contract was awarded on Feb. 15, 2011, for about \$6.5 million, and the ground breaker ceremony was on Aug. 22, 2011. The project is approximately 97 percent complete and the contract completion date is Jan. 19, 2013.

### Job Order Contract

Twelve Job Order Contract Delivery Orders (JOC DOs) were completed and turned over to users in FY12. The JOC DOs included fence installation for material handling equipment storage yard, installation of water meters, roof repairs for three building (3164, 2242 and 2241), dormitory repairs for buildings 1431 and 1406, ventilation system upgrades in building 1305, and heating system repairs in building 2221. The total value of the completed JOC DOs was \$3.5 million.



*Repair for Dormitory Building 1403*



*Distributed Mission Training Flight Simulator*



# ENGINEERING DIVISION

*Cost Engineering Branch*

*Design Branch*

*Engineering Services Branch*

*Geotechnical and Environmental Engineering Branch*

*Korea Relocation Technical Support Branch*

*Technical Review Branch*

## Cost Engineering Branch

In FY12, Cost Engineering Branch continued to work on implementing the Corps of Engineers estimating software to be used for Korea projects. The format used to produce the Independent Government Estimates (IGEs) was updated to meet the requirements of the Cost Regulation.

Cost Engineering Branch completed 31 IGEs for MCA, OMA, ROKFC, and Indefinite Delivery Indefinite Quantity projects peninsula wide totaling \$167 million. In addition to IGEs, the branch completed 116 IGEs for Job Order Contracts totaling \$38 million and 61 contract modifications. The branch conducted 8 Value Engineering studies for various military construction projects resulting in anticipated cost savings of \$2.25 million.

## Design Branch

Design Branch is composed of 37 dedicated architects, engineers, engineering technicians, specifications writers and administrative assistants. The team provides high quality design services and prepares contract solicitations for accurate and timely bid packages. Following design projects reflect exemplary performances accomplished by the Design Branch:

### Battalion Headquarters Complex – MCA Funded Construction, USAG Humphreys

Design Branch successfully designed Battalion Headquarters Complex project located at USAG Humphreys. The project supports the re-stationing of military personnel from Areas I and II to USAG Humphreys to meet mission requirements. The complex consists of a battalion headquarters building, a company operations facility, and a small equipment maintenance facility.

The Battalion Headquarters building will be the Far East District's first in-house design to achieve both LEED Silver certification by the U.S. Green Building Council (USGBC) and 40 percent energy savings per American Society of Heating, Refrigeration, and Air-Conditioning Engineers 90.1-2007 standard. This environmentally green building will have reduced energy consumption through the use of natural daylighting to illuminate the interior of the building. Lighting will be brought into the building through the use of solar tubes and large insulated translucent panels. Light sensors in the building will automatically reduce the output of the electrical lights to reduce energy consumption. Substantial completion of construction is scheduled for Feb. 28, 2014.



Rendering of Battalion Headquarters Complex, USAG Humphreys

### ROKFC-in-Kind, Vehicle Maintenance Facility, USAG Humphreys

Design Branch effectively developed Vehicle Maintenance Facility project located at USAG Humphreys. The project supports the increase in population associated with re-stationing of 2nd Infantry Division from Area I and the relocation of Yongsan Garrison as part of the Land Partnership Plan. The design consists of two standard design Large Tactical Equipment Maintenance Facility Complexes, each with Company Operations Facility, a large VMF, an organizational storage facility, a concrete organizational parking for tracked vehicles, a Privately Owned Vehicle parking area, a HAZMAT storage facility and a POL storage facility. The project will achieve LEED Silver certification by government and at least 30 percent energy savings per American Society of Heating, Refrigeration, and Air-Conditioning Engineers Standard 90.1.



Rendering of Vehicle Maintenance Facility, USAG Humphreys

## Engineering Services Branch

The AE Contract Support Section has provided a substantial contribution to the continued operation and growth of the organization as increasing number of design contracts related to the Korea Relocation programs were negotiated and awarded in this fiscal year. By working closely with project managers, design managers and other stakeholders, the four-person team consisting of a section chief, two negotiators and a contract specialist has been able to overcome all challenges and accomplish organizational missions. Their dedication and professionalism have played a vital role in awarding design contracts on time, especially toward the fiscal year end as more year-end-sensitive project requests were received from various customers. By the end of Fiscal Year 2012, a total of 149 contract actions with the total contract award amount over \$64 million were negotiated and awarded. The Section staff has also trained 3 intern employees who were rotating thru the section in AE contract negotiation skills by mentoring him under experienced negotiators and giving him actual negotiation projects. The Program Team consisting of three outstanding program analysts has also provided exceptional services for the



Engineering Division in accomplishing all financial services including Initial Budget/Mid-year Budget submissions, travel certifications, training management, awards processing and CEFMS transactions. By working and communicating closely with all members of the division, the team has been able to manage over \$28 million worth of the division budget in this fiscal year.

For FY13, our goal is continually support the YRP/LPP programs and other programs by providing top-notch AE contract services and budget management services in support of the Division and the District. The Branch will continue to monitor its activities for optimum performance and will develop continuous improvement methods thru the use of QMS to satisfy all mission requirements.

## Geotechnical and Environmental Engineering Branch

The Branch was fully engaged in FY12 in support of the District's military design and construction program, while also ensuring readiness for possible contingency missions. All four Branch Sections (Geotechnical, Environmental, Water Well Services, and Data Management) contributed significantly to successful project completion and customer support during the year. In FY12, the Branch completed a total of 244 geotechnical, environmental, water well, geospatial, and laboratory testing projects, with a final balanced operating budget of \$8.2 million. The largest proportion of Branch efforts was focused on the Korea Relocation Program, particularly land development and facility design and construction projects at USAG Humphreys. Work was accomplished by a team of highly talented in-house professionals, skilled technicians, and dedicated administrative staff, supported by multiple IDIQ contracts and reach-back USACE support. The Branch maintained certifications for the in-house Materials Testing Laboratory and Environmental Testing Laboratory (asbestos and chemical analyses) through successful external audits/inspections by Stateside laboratory certifying organizations and involvement in proficiency analytical testing programs.

The Geotechnical Section completed numerous challenging site investigations and foundation designs at USAG Humphreys for projects such as CY08 YRP U.S. Korea Command HQ and Service Buildings, CY09 YRP Consolidated Installation HQ Area, CY09 ROKFC In-Kind Vehicle Maintenance and Company Operations Facility, and CY13 ROKFC-in-Kind Fire Support Barracks and DFAC. The Section conducted construction surveillance during land development at Humphreys, testing fill materials, surveying to verify final grades and establish property boundaries, and validating completion of ground settlement prior to facility construction. Other geotechnical projects of note include tunnel and stream channel upgrade requirements for Command Post Tango, joint boundary surveys with MND covering multiple USFK installations, construction surveillance for the 2nd Runway project at Osan Air Base, developing a proposal for an Area I Landslide Risk Assessment with the USGS, completion of an official boundary survey for the new U.S. Embassy site in

Seoul, determining the cause and needed corrective actions for a damaged warehouse floor slab at Camp Carroll and a damaged vehicle wash recycle tank at Yongpyong, and geotechnical design reports for Repair Main Runway at Osan Air Base and CY13 ROKFC-in-Kind Helipad and Marine Support Facilities at Camp Mujuk. The Branch sponsored a series of American Concrete Institute (ACI) training workshops and certification exams attended by Geotechnical Section and Construction Division staff members.

The Environmental Section played a key role in new construction projects in ensuring that any significant ground contamination or hazardous materials on site, such as asbestos, would be adequately investigated during design and subsequently mitigated prior to facility construction. Section involvement in design projects such as the Humphreys Medical Campus and CY13 ROKFC In-Kind Munitions Area Move at Osan Air Base has supported the overall objective of achieving complete and useable facilities. The Section was a key participant in the investigation into allegations of Agent Orange burial at Camp Carroll, providing expert field, laboratory, and analytical support for an issue of the highest command interest. Other noteworthy projects performed by the Section include Removal and Replacement of underground storage tanks and Construction of Secondary Containment for above-ground storage tanks at USAG Yongsan, Eliminate Non-Compliant Wastewater Discharges at Osan Air Base, Environmental Spill Response at Navy Helicopter Incident Site near Pohang, Wellhead Protection Plans for Camp Carroll and Camp Walker, Installation of Biopile Soil Treatment Systems at USAG Yongsan and K-16, and the completion of numerous asbestos building surveys, asbestos laboratory analyses, and contract deliverables for asbestos abatement

actions. The Section sponsored an annual IMCOM-Pacific Environmental Workshop to share best management practices and lessons learned, coordinated a "Green Neighbors Initiative" event for Eighth Army to foster positive environmental relationships with the Host Nation, and sponsored annual environmental/safety training certification courses attended by district members and other interested organizations.

The Water Well Services Section provided highly professional and timely service to USFK for the maintenance and development of essential groundwater resources on USFK installations, having conducted these mission-critical operations since 1966. During FY12, the Section conducted preventative and emergency maintenance on a total of 159 wells on 29 USFK installations, to include USAG Humphreys, providing approximately 6 million gallons of water per day for basic installation use. The Section abandoned a water well at USAG Humphreys, per required environmental standards, due to a conflicting location with planned facility construction within the land development area. Section staff also applied their drilling and sampling expertise to support various geotechnical and environmental site investigations.

The Data Management Section supported the Branch, District, and customer organizations by providing expert geospatial data analyses and products, sharing geospatial data, promoting database standards, and managing the District Geographic Information System. The Section delivered GIS-related products to the Environmental Office on USAG Yongsan, specifically the acquisition of aerial photography and 3D modeling of ground contours for master planning purposes. The Section shared geospatial data with the AF GeoBase team at 7th Air Force and

51st CES, and supported FEST-A geospatial product needs during the KR12 and UFG12 military exercises. The Section also conducted quality assurance oversight of the Branch Materials Testing and Environmental Testing Laboratories, and continued to develop and maintain Branch project management databases which have earned best practice evaluations during the past two external ISO 9001 District audits.



Rock quarry

Geotechnical Section staff visit a Korean granite quarry during investigations into rock engineering properties for project design purposes.

A thermal desorption unit begins operation on USAG Yongsan, installed under contract through the Environmental Section, for efficiently treating petroleum contaminated soil.

## Korea Relocation Technical Support Branch

In 2012 Korea Relocation Technical Support Branch has been fully immersed in all Yongsan Relocation Program, Land Partnership Plan, MILCON, ROKFC, ROKFC-in-Kind, and OMA projects located in USAG Humphreys, as well as several Commander, U.S. Naval Forces Korean projects located in Busan. KRTSB has provided design management and served as primary point of contact on design-related issues for these projects, working hand-in-hand with Korea Programs Relocation Office project managers. The KRTSB team consists of 18 design managers, two engineering support assistants, a program analyst, an engineering technician, and a branch chief. Our main office is at FED Compound with a forward office at the PMO Building at Pyeong-

taek. During the 2012 calendar year, KRTSB has played a critical role in the successful completion of 21 Criteria Packages with a total Estimated Construction Cost of \$1.042 billion, three Enhanced Criteria Packages with a total ECC of \$202 million, and 100 percent completion of design of 8 projects with a total ECC of \$572 million, including delivery of 100 percent designs for the following YRP-funded Special Facilities: Communications Center, Phase III Facility and Spartan Sites. For the ROKFC-funded and YRP-funded Land Development, Utilities, and Infrastructure projects, we have been involved in revising the designs for roads and main utility lines to incorporate the 2011 USAG Humphreys Master Plan.



KRTSB manages designs prepared by Status of Forces Agreement Architect/Engineer contractors and FED in-house staff. We gather applicable technical criteria and standards and determine technical support requirements. We coordinate technical review of design submittals and track and facilitate resolution of review comments from the various stakeholders, including USACE Centers of Standardization, USACE Centers of Expertise, and Hawaii District Regional Technical Center. We oversee the Leadership in Energy and Environmental Design documentation throughout the design process to ensure that the new buildings will be environmentally friendly. We help ensure quality and timely delivery of design submittals that are within budget throughout the design process.

## Technical Review Branch

In FY12, the Technical Review Branch made significant contributions in its continued support of the Far East District's military design and construction mission and contingency readiness program. In total, 320 quality assurance design reviews were performed, spanning various programs to include the Yongsan Relocation Plan, Land Partnership Plan, ROKFC-in-Kind Construction, Operation and Maintenance and Military Construction-in-Kind Army projects. In addition, TRB provided design management services and lent their technical expertise in various forums, workshops and important initiatives. Implementation of an electronic review tool will help promote better, efficient review processes and communications between all parties involved. TRB was also instrumental in performing construction submittal and shop drawing reviews as well as pre-final inspections for fire protection and structural engineering applications to ensure safe and usable facilities.

In an effort to streamline the local construction material review process, several Local Material Review workshops were held at the Project Management Consortium building in U.S. Army Garrison Humphreys. The ROK Ministry of Defense, K-C PMC, Quality Assurance Branch, and TRB actively and collaboratively discussed local material submittal review processes to identify potential causes for delay and to eliminate redundancies. Earlier this year, a local materials workshop was held which included an exhibit in which over 90 local material manufacturers had participated and displayed their products. Afterward, a

FED is responsible for preparing 100 percent designs on all MILCON, ROKFC and ROKFC-in-Kind projects. For most YRP-funded projects, FED prepares a Criteria Package (30 percent design) or an Enhanced Criteria Package (60 percent design), which then goes to the ROK government, which contracts out to ROK local AE firms to prepare detailed design up to 100 percent completion. KRTSB works with the ROK design team during the detailed-design phase. Several YRP-funded projects are considered special facilities whereby FED is responsible for the complete 100 percent design. The Communications Center, Phase III Facility and Spartan Sites are currently in the solicitation process for construction award by the ROK government.

local material approval list was published by FED which highlighted success of these efforts.

One of the important initiatives to reduce review schedule and costs was the implementation of a paperless design review process to include the software Bluebeam Revu, to execute paperless design reviews for the YRP program. Once the design submittals are uploaded to their respective server, USACE review entities such as Center of Expertise, Center of Standardization, Regional Technical Center and POF TRB can perform reviews electronically.

Another note worthy initiative was the inclusion of After Action Review Lessons Learned MFR sessions after the completion of each Criteria Package. The technical review team at TRB participated in identifying common mistakes and pitfalls in design in helping to avoid the reoccurrence of design deficiencies on future projects.

Lastly, Design Management section at TRB successfully assumed a leadership role as design managers by earning Contracting Officer's Representative appointments for various funded projects throughout the Korean Peninsula mainly Area I thru IV, Co-locate Air Base, Kunsan Air Base, and Osan Air Base. The section executed twenty-nine AE contract negotiations to include thirteen CY13 ROKFC-in-Kind projects, managed design review comment close-out processes by conducting On Board Reviews, and performed partial and final payments to AEs. Additional design management responsibilities included processing 300 requests for information from resident offices. This involved close coordination with SOFA AEs and Engineering Division's in-house design branch. The section attended monthly line item review meetings with DPW and BCE to provide updates on outstanding issues and current status of projects.

# CONTRACTING DIVISION

## Contracts Branch Construction Section

### FY12 MCA, Barracks and Tactical Equipment Maintenance Facility, Camp Carroll

Construct a standard barracks which include one 302 person eight-story building with elevators, a vehicle maintenance facility, a bulk storage building, an oil storage building, and organizational vehicle parking with hardstand for vehicle maintenance shop for Camp Carroll.

- Contractor: Samsung C&T Corporation
- Date of Award: Feb. 24, 2012
- Contract Amount: \$27,592,992.31

### FY12 MCA, Barracks and DFAC, Camp Henry

Construct a 298 person barracks and 500 person Dining Facility. DFAC, comprehensive building and furnishings related interior design services are required. Heating, ventilation and air conditioning will be provided using dual fuel system. Supporting facilities include utilities and connections; security lighting; parking; paving, grading, walks, curbs and gutters; fencing and gates; bike racks; storm drainage; information systems; fire protection, site improvements, signage, and a fuel storage tank for Camp Henry.

- Contractor: Fine Construction Co., Ltd
- Date of Award: April 6, 2012
- Contract Amount: \$28,609,528.37

### FY12 MILCON, Dormitory Person, Osan Air Base

Construct a new 5-story, 156-person dormitory to house permanently-stationed personnel at Osan Air Base. Areas include 4-plex modules, lounge, public restrooms, bulk

storage, and mechanical rooms. Demolition of five facilities (16,242 square meters) and environmental cleanup is also included in the project.

- Contractor: Seohee Construction Co., Ltd.
- Date of Award: March 13, 2012
- Contract Amount: \$14,839,085.11

### FY08 MCA, Brigade HQ Complex, USAG Humphreys

Construct a Brigade Headquarters. The Brigade HQ includes a Sensitive/Secure Compartmented Information Facility for tenant suite. Supporting facilities include underground utilities, exterior lighting, paving, walks, curbs and gutters, fencing and gates, parking, dumpster pads, storm drainage, fuel storage tanks, and information systems. Heating will be provided by dual fuel system for USAG Humphreys.

- Contractor: ECC International, LLC
- Date of Award: Sept. 17, 2012
- Contract Amount: \$32,468,604

## Contracts Branch Relocation Section

### Administrative and General Management Services for Yongsan Relocation and Land Partnership Plan

- Date of Award: Extension mod awarded on Nov. 6, 2012
- Award Amount: \$80 million

This project consists of the following two major services: Program Management services include, but are not limited to; (1) planning and administration such as master plan reviews, swing space, suitability of utilities, utility agreements, control of the program's construction area, (2) program controls, such as budgeting, cost control, estimating, scheduling, tracking reporting, communication, information systems, (3) procurement such as con-



struction bidder interest, market analysis to determine at minimum; key subcontractors' services and critical construction materials, (4) design and construction management, (5) commissioning/transfer, (6) quality/environment/safety, (7) training such as technology transfer and training, and (8) security.

C4I Program Management services include, but are not limited to; (1) management of the design and implementation of C4I and of establishing and relocating existing C4I facilities, equipment and mission capable (MICAP) systems and of relocating and installing without impacting operational capabilities, (2) satisfying existing and expected capabilities in the new area, (3) compatibility between new and existing facilities, and (4) applying applicable Department of Defense C4I rules and standards.

## Purchase Branch Services Section

### Material Safety Data Sheets Translation Service

Translate Material Safety Data Sheets and Pest Management Plan written in English into Korean.

- Contractor: The Louis Burger Group, Inc
- Date of Award: Feb. 2, 2012
- Contract Amount: W10,000,000

### Excavation and Off-site Treatment of Fuel Contaminated Soil, Pohang

A helicopter made an emergency landing in a field in Pohang City, Korea with about 8,000 lbs of JP-8 fuel on board. The exact amount of fuel spilled was not reported, but most of the fuel remained in the fuel cells. Other fluids aboard the aircraft at the time of landing included 31 gallons of transmission fluid, 8.7 gallons of engine oil, 35 gallons of hydraulic fluid, and 3 gallons of P-2 lubricating engine oil. The reservoirs holding these fluids were consumed by the fire except for two reservoirs in the tail section, which held some of the transmission fluid. The fuel spill was initially confined to the trough rows of the cultivated field. Absorbent pads were placed along the crop troughs where fuel product was observed. Due to the efforts of the responders, spilled JP-8 fuel oil was limited in extent.

- Contractor: Beautiful Environmental Construction
- Date of Award: Sept. 29, 2012
- Total Capacity: \$106,530

## Purchase Branch A&E Section

### CY10 YRP, Downtown Business Park, USAG Humphreys

Design a new Downtown Business Park at USAG Humphreys to include primary facilities such as a bank, Credit Union, and Administrative Office Building; Court Room and Legal Center; Administrative Building (General Purpose); and Multi-Purpose Athletic Field.

Modification P00001 in the amount of \$261,201 to include application of design elements of Pedestrian Plaza designed as part of the CY10 YRP, Downtown Exchange and Commissary.

Modification P00004 in the amount of \$43,112 to include; re-arrangement of room layout in bank building and 176th Financial/CPAC building per MURO/K-C PMC recommendations, respectively.

- Contractor: MMI
- Date of Contract Award: Oct. 17, 2011
- Total Contract Amount: \$1,251,822

### CY09 YRP, KORCOM Facility and Consolidated Sensitive Compartmented Information Facility (SCIF), USAG Humphreys

Design for 19,873 square-meter Consolidated SCIF, 8,030 square-meter Crisis Action Team and properly sized and associated Central Utility Plant as a combined facility at USAG Humphreys. The primary purpose of the facility is to serve as the overall Korean Command and United Nations Command operational headquarters requirements as part of the existing USFK transition to KORCOM and relocation to USAG Humphreys. The units occupying the facility include KORCOM and UNC command staffs, Office of the Commander, Deputy Commander, and Chief of Staff, KORCOM Assistant Chief of Staff units, J2 with RSC-K and CWIOC, J3, and J5, and KORCOM components services including U.S. Marine Corps Forces Korea, Special Operations Command Korea, and Eighth Army.

- Contractor: TJD
- Date of Contract Award: March 13, 2012
- Total Contract Amount: \$14,339,700

### CY08 YRP, KORCOM HQ and Public Service Building, USAG Humphreys

Design for 182,883-square foot Korea Command HQ and Public Services Building, permanent building at USAG Humphreys. The primary purpose of the facility is to serve as the headquarters building for KORCOM, formally known as United States Forces Korea. The HQ building will include the following functions: Office of the Commander, Secretary Joint Staff, UNC Staff, J1, J2, J3, J5, J6 Staffs, USFK Engineers, USFK Judge Advocate, USFK Command Surgeon and other USFK Staff.

- Contractor: TJD

- Date of Contract Award: Jan. 10, 2012
- Total Contract Amount: \$6,169,494

### CY08 YRP, EUSA/IMCOM-P HQ Complex, USAG Humphreys

Design for 23,182 square-meter Eighth Army/Installation Management Command (IMCOM)-P (FWD) HQ, permanent building at USAG Humphreys. The primary purpose of the facility is to accommodate Eighth Army HQ and IMCOM-P (FWD) personnel that will be relocating from Yongsan. In addition to HQs and administrative facilities, the project will also include a POV parking garage for DOD personnel assigned to these facilities.

- Contractor: AMK
- Date of Contract Award: March 6, 2012
- Total Contract Amount: \$1,321,429

# SECURITY, PLANS & OPERATIONS

The Far East District's SP&O continues to excel in facilitating the execution of the "District Contingency Mission and Goals." SP&O in conjunction with other district staff sections work many hours throughout the year planning, preparing, and facilitating the execution of the district's "Readiness & Operation Protection" mission. The end result is that we were successful in providing USFK and major subordinate commands with critical engineer, design, quality products, and construction management services in our direct support role. We exceeded expectations in supporting the division to achieve its "Operational Strategy Goal" by significantly enhancing, recognizing, and promoting an "expeditionary mindset" and developing a professionally trained emergency/mission civilian essential workforce. SP&O skillfully integrated USACE Campaign Plan Goals and POD IPLAN objectives into the district's action plan by successfully meeting planned USFK contingency operations throughout the peninsula. The district is prepared to meet all challenges from peace to Armistice through a full spectrum of operations.

## Emergency Readiness

Ready Army is a proactive campaign to empower Soldiers, their Families, Army Civilians and contractors to prepare for all hazards. Through outreach and education, Army Ready calls our Army community to action and aims to create a culture of preparedness that will save lives and strengthen the nation. There is a range of natural and man-made hazards that district personnel are prepared to meet through educations, training, and exercises. During armistice, crisis, or contingency the district stood ready during the year to be ready to support our families while being prepared to continue operations during emergency events.

**Non-Combatant Evacuation Operations (NEO):** The most challenging event for the district community is a declaration of NEO by the Department of State so this was a primary focus of our readiness throughout the year. The readiness of our Service members, employees, and Family members is essential to the strength of the ROK-U.S. Alliance, U.S. Forces Korea, and the Far East District. Courageous Channel 2012 is an annual State Department and USFK sponsored exercise that provided realistic training to personnel (NEO Stewards) who are required to execute NEO support missions and to DOD employees and family members. The



training focused on procedures used during the alert and assembly phases of the NEO mission.

CC12 was theater wide, with Assembly Points and Emergency Evacuation Centers in Areas I-VI. The actual employment and standing up of APs and ECCs to support the exercise commenced in May. The exercise was mandatory for all assigned and affiliated non-Emergency Essential Civilians and DOD family members. Prior to the exercise, the district conducted mandatory training, reviewed Family NEO Battle Books, validated identification cards and passports, and ensured each family member received an Infant Child Adult Protection System. The district's participation was 100 percent of employees/families.

**Emergency and Mission Essential Civilian (EEC/MEC):** The district designated 214 employees as EEC (U.S.) or MEC (KN) members. These personnel have volunteered to remain with the district in the event of a declared crisis in the ROK. While other U.S. civilians and family members will be evacuated and Korean Nationals will return to the control of the ROK Government these employees will continue to work in support of USFK contingency operations. Being a designated EEC/MEC requires that each employee maintain a high state of personnel readiness that includes administrative, logistic, medial, and training requirements. In February the district conducted annual readiness training in preparation for the Key Resolve 2012 exercise. Training included ensuring personnel had proper uniforms, the fit was proper, and items serviceable. Training was also conducted on the use of the protective mask, CPR and first aid. This ensured our KN MECs clearly understood the critical nature of CRBN tasks the district employed the use of Korean Service Corps instructors.

**Key Resolve 2012:** The district supported the exercise Key Resolve 2012 in February. KR is an annual joint-combined Command Post Exercise that demonstrated the continued U.S. commitment to the ROK-U.S. Alliance. FED's participation confirmed the district capacity for continuous and uninterrupted support of USFK and the Alliance through armistice, crisis, and contingency. With the future planed USFK-ROK transition plan the district plans an important part of the support strategies being developed by the Alliance and this exercise provided keen insights required for our future planning such as the cycle of North Korea provocations will likely continue and USFK/Eighth Army must continue be ready to deter and respond in support our ROK ally; understanding the recently released DOD Strategy reinforces Eighth Army's role as America's land-power force in Asia meeting key national, joint, and service interests in the Pacific Region; and understanding the revised Eighth Army mission set for the Region.

**Wartime Host Nation Support (WHNS) Real Estate Transfer:** The district coordinated with the ROK Ministry of Na-

tional Defense and Ministry of Education to acquire War-time Host Nation Site real estate property at a local university. The USFK-ROK WHNS Program is primarily based on the umbrella agreement between the ROK and U.S. government concerning Wartime Host Nation Support that was signed by the U.S. Secretary of Defense and ROK MND. Real Estate is one of the functional areas available for U.S. forces use under the agreement. The Daegu National University site is part of the ROKs WHNS real estate capabilities. FED requested and was granted access to exercise our COOP and logistics contingency plans. Our Logistics Office, the ROK 5th Division, and University personnel rehearsed and executed all legal real estate administrative documents required by the WHNS agreement. A first for all organizations involved.

**POD Forward:** The U.S. Army Corps of Engineers Pacific Ocean Division supported the USFK KR12 deploying a Mission Command Forward element to the ROK. This was the first time that the POD-Forward Advance Echelon (ADVON) deployed early to establish communications, develop and synchronize a battle rhythm at theater level, and monitor USACE operations in support of the JSC exercise. The exercise also provided the team the opportunity to experience the Reception, Staging, Onward Movement and Integration (RSO&I) process gaining lesson learned for future mobilization and deployment. This exercise allowed POD to work out of facilities at Camp Carroll, work closely with Theater Engineer Command personnel, provide mission command over field force engineering teams, and technical engineer reach-back.

**FFE Support:** During KR13 USACE and the Theater Engineer Commands supported USFK and MSC by deploying Forward Engineer Support Teams into the exercise theater of operation. The missions that teams received were "real world" and connected to USFK and MCS deliberate planning processes. Teams work closely with their U.S. customers, ROK Army contacts, and ROK civilian facilities managers during site visits as part of the site survey process. Deliverable products can range from capacity assessments, engineer designs and based camp development but eh basic end state are profession products that include analysis, scopes and of work, bills of materials, and construction methodology that customers can use.

**UFG 12:** The Far East District supported the exercise Ulchi Freedom Guardian 2012 in August.

**Fight Tonight Support:** Ulchi Freedom Guardian Exercise is a Combined Forces Command/U.S. Forces Korea robust "Fight Tonight" exercise. The purpose is to ensure readiness and provide a strong deterrent posture. UFG-12 also supports the integration of ROK JCS and governmental agencies into a military scenario. USACE supports CFC/USFK

and the ROK military planning and exercise program through the POD which brings the full weight of a USACE forward presence and CONUS-based reach-back capability to the Korea Theater of Operations. The exercise includes Crisis Management Exercise, Computer Automated Exercise, and Field Training Exercise components.

**Design and Construction Agent:** As the Corp of Engineer's forward-deployed district in Korea, FED is focused on providing project management, technical engineer services and contact design and construction services to improve the daily lives of DOD personnel stationed on the Peninsula and to assist USFK improve and maintain conditions for stability in the country. The district's exercise program and participation in UFG12 fully supported USFK exercise goals, and USACE Field Force Engineering doctrine, and provided the district a realistic platform to assess readiness and contingency processes. Per USACE Campaign goal 1, the district postured itself to deliver USACE support to combat, stability, and disaster operations through forward deployed and reach-back capabilities, institutionalizing USACE capabilities and doctrine in support of U.S. Forces, ROK and interagency plans, policies and procedures.

**One Team, One Fight:** The district fully supported USACE Goal 4 to build and cultivate a competent, disciplined and resilient team equipped to deliver high quality solution; and PODs Operational Strategy Goal to enhance, promote, recognize and sustain an expeditionary mindset through all phases of deployment in order to plan, resource, train, and exercise world class teams to support USACE and PACOM. This was accomplished by developing, maintaining and strengthening technical competencies of the district workforce:

- Successfully developed a truly "Total Force" Battle Staff and FFE program by integrating and training a diverse USACE active duty, military reserve, U.S. and KN civilian, and KSC force.
- Continue to be highly successful in training and integrating Liaison Officers into contingency and exercise support operations, even with severe Drilling Individual Mobilization Augmentee shortage, ensuring CFC/USFK and MSC continue to receive superior technical engineer and reach-back support.
- Developed a contingency collective "training environment" where USACE and POD FFE teams can receive reliable world class "All-Hazards" FFE training and that supports the development of quality contingency engineer products for our CFC/USFK and MSC customers.
- Facilitate education and training for EOC and FFE personnel by integrating training opportunities in exercise budgets and training. Facilitated SP&O training and work process refinements that improved daily EOC (Levels I and II) critical event tracking, interagency staff engagement, reporting

processes, situational awareness and task management.

- Trained staff to successfully assembled and provide the weekly S3 SIGACTS, Command and Staff meeting information, provide situational awareness to the Command Group and higher headquarters, and coordinate current and long range exercise operations and training events.
- The district assisted in preparing Theater Engineer Commands for operations in Korea by integrated USACE and USAR (TEC) FEST-A into KTO operations, developing a FTX program that complements the theater level JSC CAX exercise program, provided customers with real-world deliberate planning engineer products, and provided technical training to USACE and MSC teams.

## Security Operations

**Personnel Security:** SP&O assembled and trained an outstanding Security Management Team during FY12 for the current and future Operations Protection and Security that supports the district and enhances support of the Korea Relocation. The team significantly enhanced the district's ability to manage and coordinate a comprehensive and complex security program. The Security team is integrated into daily and contingency event EOC operations guiding the staff in the development of the district CCIR/SIR. They were directly involved in providing training as part of district annual, HQ mandated, and DA Campaign Awareness programs that covers areas such as Antiterrorism, Crime Prevention, Force Protection, OPSEC and SAEDA. The team made significant contributions to our participation in JSC exercises by proving a security training program and pre-exercise security training.

**Industrial Security:** In FY12 the Security Office continued to support the Yongsan Relocation Plan by providing concurrent industrial security assistance to nine projects. As a member of the various Project Delivery Teams, this support included advising the team of the security requirements pertaining to each specific project and assisting in determining schedules, identifying requirements and gaps in planning, and answering requests for information from potential bidders. SP&O also participated as a member of the source selection evaluation boards, helping to evaluate proposals and select the best qualified contractor for those projects governed by the industrial security program. Finally, the Security Office liaised with USFK and various stakeholders and customers to work security issues pertaining to the design and construction of industrial security projects and helped to resolve questions and matters pertaining to classification and design review guidance, OPSEC, and foreign disclosure. As the nine projects are ongoing, the Security Offices looks forward to continuing their support in FY13.



# RESOURCE MANAGEMENT

As the district expanded both in manning and budget, the financial team continued to ensure that no fiscal violation or over obligation was reported, submitted upward reports within established time frames 100 percent of the time, and validated all purchase requests to ensure propriety and legality of funds cited.

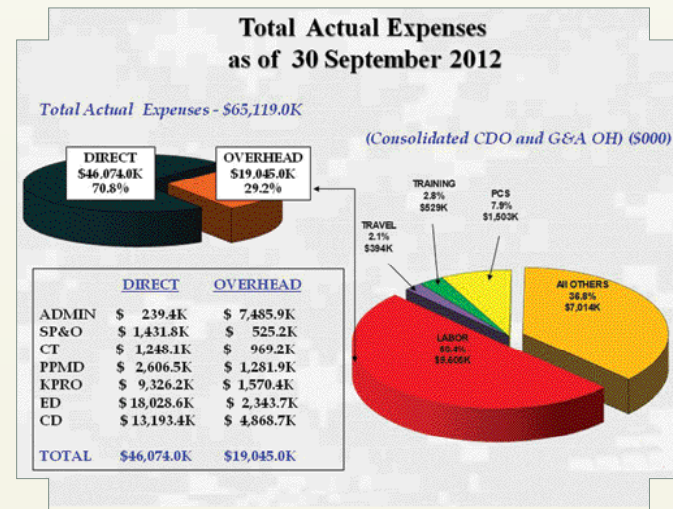
We provided timely and accurate information to the commander and district staff elements regarding Chief Financial Officer monthly and quarterly status. We reviewed, analyzed, interpreted, and presented status and maintained emphasis on all CFO changes to ensure compliance. As a result, the district reported accurate CFO account status and timely corrective actions to ensure monthly compliance. Resource Management monitored and reported GREEN ratings for the CFO Act status as of Sept. 30, 2012, i.e., payroll, labor cost transfer support and approval, property, plant and equipment, unliquidated obligations (ULOs) dormant for 240 days and Accounts Payable.

During the year, we accepted \$331 million for project execution from the following sources: \$94 million direct funds (\$93 million were for military construction projects) and \$237 million reimbursable funds (\$125 million were for host nation projects). We monitored and guided the district to meet our consolidated command guidance (CCG) overhead account balances by closely monitoring our consolidated departmental overhead and general and administrative rates of 46 percent and 24 percent respectively.

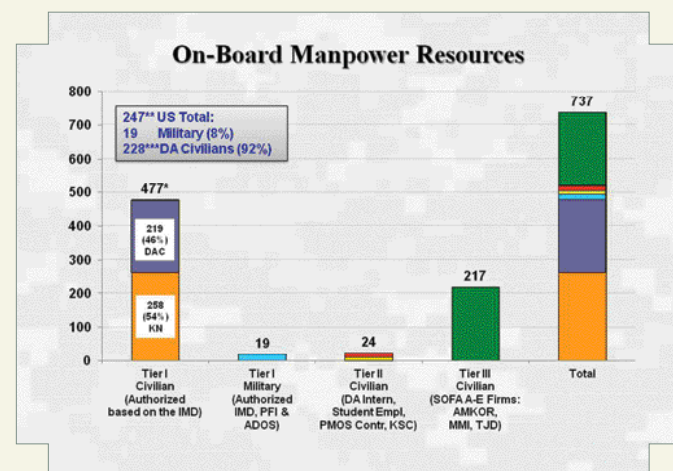
The direct/indirect labor charging for FY12 budget and actual were 86 percent /14 percent and actual 87 percent/13 percent respectively which was one of the highest direct labor charges throughout the region. In addition, our supervision and administration (S&A) flat rate report income/expenses for the month ended Sept. 2012 was a net positive more income and expenditures by \$3.8 million.

The DAC and KN effective rates were 210 percent and 145 percent respectively, Korean national payroll rate adjusted on Aug. 12, 2012 from 1150 won/\$1 to 1100 won/\$1 and local obligation rate remained at 1020 won/\$1. On the budgetary side, we participated in the development of two balanced FY12 initial and mid-year budgets with a workload and income of \$851 million/\$86 million and \$827 million/\$71 million respectively. The net result of our budgetary process was an actual workload and income of \$773 million / \$65 million respectively or 91 percent execution with \$46 million and \$19 million of direct and indirect expenditures respectively. The actual workload and income comprised of \$651 million of construction

placement, \$57 million of AE and other contract, and \$65 million of in-house S&A and planning and design cost.



The on-board end strength as of Sept. 30 was 737 with the following breakdown: Tier I – 496 (219 DAC / 258 KN / 19 Military); Tier II – 24 Interns, PMOS contractors, KSC; Tier III – 217 SOFA AE Firms.



As a result, the undistributed balance or net results of operations ended the year with \$141,500 which was within the CCG nominal range of +/- \$239,000 or a green rating. For our fund control process, during the ULO phase I, II, and III reviews, the district reviewed \$1,478,109,273.63; \$1,517,120,481.36; \$1,417,030,537.99 balances respectively. In all three phases, RM successfully reviewed and

adjusted \$22,975,104.80 of the total balance of \$4,412,260,292.98 or 3,032 adjusted transactions. The following is a recap of the total reviewed items: total reviewed = 15,959 valued at \$4.412 billion; cancelling appropriations items reviewed = 226 valued at \$4.7 million; Inactive items = 1,019 valued at \$1,194.0 million; less than \$100 and 90 days and older items = 311 valued at \$14,403.00; interagency items = 402 valued at \$73.4 million; expired items = 2,280 valued at \$214.2 million; other items = 11,721 valued at \$2,925.7 billion; adjusted

items = 3,032 valued at \$22.9 million. In addition, we continue to serve as subject area expert for USACE regarding Republic of Korea funded construction limited depositary account and foreign issues. We continue to maintain our funds control process and ensure that funds accepted from the host nation through USFK is in accordance with generally accepted accounting principles and with the burden sharing and relocation statutes / 10 USC 2350j / 10 USC 2350k.

## ISO 9001 Recertification

The Quality Management System is the framework USACE implemented as a means for each division and district to achieve the International Organization for Standardization (ISO) 9000 Certification. ISO 9000 is a worldwide federation of national standards bodies that recognizes high levels of organizational achievement obtained by both commercial and government entities throughout the world. The Far East District has been ISO certified for over ten years. QMS not only assists with achieving a level of corporate excellence, but provides our organization a means to produce high quality products and services for our customers on a consistent basis. The district is ISO certified by an independent 3rd party auditor once every three years and is also inspected on an annual basis via surveillance audits. The surveillance audits act as a follow up inspection to confirm continual adherence to these international recognized standards.

The QMS is a set of locally developed principles, practices, and procedures for monitoring and controlling the characteristic of products and services that concern customers. The QMS also provides the district team a disciplined ap-

proach to accomplishing work. Another view of QMS is to think of it as an over-arching guidance system for meeting customer requirements. The QMS encompasses the district's specific or local process oversight process management procedures under the umbrella of the various assortments of regulations, policies, and directives from higher Headquarters such as the Department of Defense, U.S. Army, USACE, and Pacific Ocean Division. In February 2012, the district successfully achieved ISO 9001-2008 recertification. As part of this once-every-3-year external audit, two contracted ISO 9001 inspectors, during a one-week period, evaluated all aspects of the district team, visiting essentially every organizational functional area. With the exception of four minor non-conformances, the auditors found the processes to be in full compliance with both ISO 9001 criteria and guidance specifically established by HHQ and the district.

During 2012, our QMS has undergone several vital enhancements to not only ensure for the continued high levels of customer satisfaction, but to improve as an organization in both efficiencies and effectiveness. Program enhancements include conducting Management Reviews with the Corporate Board semiannually versus annually.

Revamping the QMS SharePoint site providing a comprehensive and easy to use storehouse of all QMS related products. Within another area, the frequency of internal assessments was increased to twice in a 3-year period instead of just once. Within another area, the District Business Process Manager conducted several internal assessment training sessions with district personnel. And finally, a more robust FED personnel initial in-processing ISO 9000/QMS orientation briefing was created and implemented within the district.

Looking toward 2013, the next external auditor surveillance inspection is scheduled for April. The ISO certifying agency auditor will visit the district and during this one-week period examine the majority of QMS processes. The BPM will continue to conduct Management Reviews with the Corporate Board as well as the working level Management Review Team members. And finally, the Business Process Manager will conduct enhanced QMS orientation training to further increase district personnel's understanding of the program as well as how the QMS can be used to make their jobs easier.



