



U.S. Army Corps  
of Engineers  
Far East District

# FY 07 YEAR IN REVIEW



# From the Far East District Commander TO OUR VALUED PARTNERS AND STAKEHOLDERS:



**Col. Clarence D. Turner**

Fiscal year 2007 was an extremely successful and exciting year for the Far East District, our partners and stakeholders. We completed many major construction projects as well as maintenance and repair projects throughout the Korean peninsula; and many more projects are under design. Over \$183.8 million was awarded for construction contracts for MILCON, Host Nation, NAF, and O&M projects. In addition, about \$39.6 million was awarded for design and professional services. The awards and the completed construction represent significant improvements in the war fighting capability and quality of life for our Soldiers, Sailors, Airmen, Marines, and all members of the U.S. Forces Korea family.

During the fiscal year, we finished many significant projects some of which are featured in this publication. A few highlights are: In Area I the road widening project at Camp Red Cloud was completed, and the barracks, latrines and various range support facilities at Warrior Base were completed. The Area IV enclave opened a new swimming pool at Camp Carroll and multipurpose fields at Camp Henry and Carroll. At Camp George, the Daegu American School replacement and addition project was completed. Kunsan and Kwangju continued to see quality of life improvements with on-going construction of FY06 tower dormitory and a consolidate personnel process/theater facility, and the completion of FY05 tower dormitory. In the greater Seoul area K-16 Air Base opened the doors of the first ever Build-to-Lease housing complex while at Yongsan the 121 Hospital Renewal Program continued to provide new clinics for USFK personnel and their families. At Osan Air Base, Phases II & III of the Family Housing Replacement Program continued on schedule and the first of two 5-unit senior officer's quarters were completed. U.S. Army Garrison Humphreys saw many projects completed to include a new child development center, unaccompanied officers' quarters and the whole barracks renewal project, and extensive landfill work at Parcel 1 continued. Elsewhere on the peninsula upgrading of aircraft parking ramps and aircraft shelters are nearing completion at Suwon Air Base.

We also broke ground on essential projects such as the Digital Multipurpose Training Range at Yongpyong, an administration headquarters at Chinhae, and middle school building, high school addition and community activity center at Osan Air Base. Two barracks projects, to be constructed at Parcel 1 at USAG-Humphreys, were also awarded.

The Korea Relocation Program (KRP) is moving forward after long-term planning and negotiations. Land Development to expand USAG-Humphreys is underway. The \$30M 205-acre Parcel 1 contract was awarded in November 2006 and the sites for the FY07 and FY08 MCA program are nearing completion. The \$18M 110-acre Parcel K contract was awarded by MND in September 2007, after a short-fused design effort by FED. And, after senior-level negotiations to reduce the amount of compacted fill to 11M cubic meters, the 2000 plus acre Parcel 2 Criteria Package effort is continuing. A major step forward, for the KRP, was award of the Program Management Consortium (PMC) cost plus award fee contract in June 2007. The PMC is assisting FED and MURO with Program Management and other Project, Design, and Construction Management services; \$11M has been secured for the initial 7 Joint Task Orders. Finally, as a result of Security Policy Initiatives discussions in February 2007, FED also received the initial design directives to proceed with 10 Yongsan Relocation Program projects valued at over \$1.2B. However, there is much, much more to come as the KRP is at least an \$8-10B effort over the next 6-7 years.

FED continues to support the Global War on Terror, deploying District employees to Iraq and Afghanistan for reconstruction and economic recovery efforts. We also deployed to U.S. natural disaster recovery missions such as the Hurricane relief efforts.

We successfully underwent an International Organization for Standardizations' (ISO 9001-2000) recertification audit of our quality management system in October 2006. This achievement represents FED's commitment to delivering quality products and services to our partners, with emphasis on customer satisfaction.

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. Essayons!

*"Quality Counts!"*

Clarence D. Turner  
COL, EN  
Commanding



## AREA I PROJECTS

The Uijongbu Project Office is the Far East District's construction field office for U.S. Forces Korea Area I, extending north from Seoul to the Demilitarized Zone. Though most of the installations in Area I are preparing to move south, there are still some facility sustainment operations to be done and many of Eighth US Army's live fire and simulation training facilities are located in this area and are being upgraded to keep up with Force Transformation goals. During Fiscal Year 2007, the Uijongbu Project Office conducted supervision and administration for construction projects at Camp Red Cloud, Camp Casey, Warrior Base, Rodriguez Range - Yongpyong Digital Multipurpose Training Range, New Mexico Range, Shinbuk Relay Site, Detachment "K" Site and Detachment "L" Site.

### Camp Red Cloud Projects

Major construction work at Camp Red Cloud, Headquarters of the 2nd Infantry Division has virtually ceased with completion of the Road Widening Project in April 2007. Though the Ribbon Cutting Ceremony for the Main Gate was conducted on Sept. 1, 2006, some work remained on the exterior CMU fence, Closed Circuit Television System and the Band Facility and some Company Operations buildings. Both buildings were completed in Feb. 2007. Facility sustainment work at Camp Casey consisted only of a few delivery orders for asbestos abatement in buildings and the construction of a secondary containment facility.



**Camp Red Cloud Road Widening Project**

### Warrior Base Projects

Warrior Base was the main focus of UPO's construction effort during this period. As the year began, construction of the four barracks buildings, three latrines and battalion headquarters building were nearing completion and construction of Range Support Facilities was already underway, the facilities include a Range Control Building, Shift Change Building, Shift Change Locker Building, Simulator Building, Training Support Building, NBC and Arms Room Building, and a Range Electronic Maintenance Building and associated Site Work and Utilities. However, it soon became evident the contractor was not making adequate progress and before the year was out the contract terminated and by Jan. 25, 2007 a new contract was awarded. Those facilities were completed and occupied by the end of August. The project to construction Range Support Facilities, Phase II was awarded by the end of the fiscal year. These facilities include an upgrade and expansion of the dining facility, a new laundry

facility, a new soldier support facility, a new battalion aid station, a new helipad, a new multipurpose court, a new fuel issue point, a new wheeled vehicle wash station, and associated site work and utilities. Other facilities constructed at Warrior Base during this period include a warehouse and wheeled vehicle maintenance shop, both started in March and were completed in September.



**Shift Change Locker Building, Warrior Base Range Support Facilities**

## **Yongpyong Projects**

The next largest construction program for UPO was at Rodriguez Range Live Fire Center at Yongpyong. As the year began construction was underway on the Medical Training Facility, the Temporary Power System and the Urban Assault Course. The Urban Assault Course consisted of 5 stations of an individual and team task technique trainer, squad and platoon task technique trainer, grenadier gunnery trainer, urban offense/defense building and underground trainer and operation/storage building. Supporting facilities include electronic service, concrete poles, parking, sidewalks, storm drainage, fences, earthwork and site improvements. All of these projects were completed by April. In March, the Yongpyong Digital Multipurpose Training Range and Live Fire Shoot House projects were awarded. These facilities include the range itself, a vehicle instrumentation dock, a MAT Target Emplacement, the shoot house, an ammunition breakdown building, an operations and storage building, and site work and exterior utilities and road and sidewalk graveling. In April, an electrical upgrade project to include underground power and switch gear was awarded. The training facilities are scheduled for completion in April 2008 and the electrical upgrade in April 2009.



**Yongpyong Digital Multipurpose Training Range**





**Live Shoot House, Yongpyong**

## **New Mexico Range Projects**

Training Facilities were also being constructed at New Mexico Range, Story Live Fire Center, a small range vehicle maintenance facility was under construction and completed in Feb. 2007, but a live fire training facility similar to the one at Rodriguez range was included in the contract awarded in March.



**Operation & Storage, New Mexico Range**

## **Other Projects**

Finally, UPO had the challenging task of supervising a few minor projects at some remote mountaintop sites such as the addition and upgrade of the TCC Facility at Shinbuk Relay, and the Detachment “K” Site Renovation at Kamaksan and the Detachment “L” Site Renovation at Yawolsan. The Uijongbu Project Office definitely has some of the most disbursed and remote project sites of any of the Far East District’s construction field offices.

## AREA II PROJECTS

### K-16 Air Base: Build To Lease

The construction work for this \$2.1 million build to lease project started in Nov. 2005 and finished in June 2007. This is a 9-story apartment building with a total of 144 housing units and parking facility. The building includes living/sleeping rooms with closets and private baths, storage, laundry, mud room, lounge, multi-purpose rooms, mechanical and electrical rooms, fire protection, and alarm systems, telephone, and cable TV connections. This is a first build to lease project in Korea and it will significantly improve quality of life while saving on housing allowances. This facility was financed and constructed and is being operated and maintained by the private sector for the exclusive use of US military personnel stationed at K-16 or in the vicinity. The U.S. Army will lease the housing project on a pay-as-you-go basis up to 15 years, renewable for up to another 15 years.



**K-16 Build To Lease Housing**

### Yongsan: 121 Hospital Renewal Program

The purpose for this construction program is to correct life safety deficiencies, comply with Joint Commission on Accreditation of Healthcare Organizations standards, improve the functional layout, provide for Antiterrorism/Force Protection and provide a state of the art facility for beneficiary population throughout the peninsula. Phase 2, awarded in June 2005, is a \$26 million dollar OMD renovation of the existing hospital in two sub-phases.

The first sub-phase of the renovation includes renovation of the Emergency Department, Pathology Department, Radiology Department, Pharmacy Department, Patient Records Department and Women-Infant Care Unit and new facilities such as an Orthopedic Clinic and Physical Therapy Clinic. All of these areas were completed within FY07. The second sub-phase consists of a complete renovation of the North Patient Wing to include an



Inpatient Psychiatric Unit and a Multi-Care Unit on the first floor and a Respiratory Therapy and a Multi-Care Unit on the second floor. This work is scheduled to begin in Oct. 2007 and complete in July 2008. In addition some transition space projects were completed to provide transition space for the Outpatient Surgical Clinic, Obstetrics and Gynecology Clinic and In-patient Psychiatry Unit to provide the departments space to vacate the north patient wing.

The Emergency Department included a new Decontamination Room to handle emergencies as a result of Nuclear, Biological and Chemical operations and three standard observation /treatment cubicles, a trauma / cardiac treatment room and an isolation room. The Pathology Department includes various laboratory operations areas including Hematology, Urinalysis, Phlebotomy, Chemistry, Microbiology, Histology, and Cytology. The Pharmacy Department includes a new waiting area, a four-window dispensing area, bulk storage, controlled drugs area, manufacturing and pre-pack area and IV/Admixture Storage area. These Departments were completed in Jan. 2007. The Radiology Department includes four X-Ray rooms, two for Radiology/Fluoroscopic, one for Tomography and one for Computerized Tomography. The department also includes an ultra-sound exam room and a mammography exam room with the associated processing rooms. This Department was completed in Feb. 2007. The Orthopedics Department includes seven exam rooms, a three bay cast room, a treatment room and an appendage adjustment modification room together with the associated doctors' offices and utility rooms. This department was completed in May 2007. In June 2007, the Hospital Resident Office completed the new Women-Infant Care Unit. This department includes two Labor and Delivery Rooms and one that doubles as a swing space Operating Room together with a nursery, an interim care room, an ante partum testing room, an isolation room and three semi-private patient rooms. The first sub-phase was completed in July 2007, when FED turned over the Physical Therapy Department, new Patient Records Department, a new corridor and new building exit, and new Emergency Department and Pathology Department Administrative spaces. The Physical Therapy Department includes a large exercise room, a Hydrotherapy Clinic, back treatment room and six treatment cubicles. The remainder of the fiscal year was used to complete the transitional spaces and all work has been proceeding as scheduled.



**New Exterior Entrance and Emergency Ramp**

# USAG HUMPHREYS PROJECTS

## Community Physical Fitness Center

Exterior view of 50-percent completed facility to support entire Humphreys community with spacious basketball/multipurpose courts, indoor track, saunas, indoor swimming pool, spa, exercise centers, deli food bar, training centers, attached parking garage for 221 vehicles and associated exterior landscaping. Contract amount is \$18,596,807 with a start date of 25 Jan. 2006. Completion is expected by April 2008. Facility was designed by Thomas J. Davis INC/Jung IL Associated.



## Child Development Center

The facility is a T-shaped one story brick face steel structure with standing seam metal roof surrounded by 3 pre-school age playgrounds. Child Development Center project included demolition and asbestos removal of several Quonset type buildings on the site, construction of a 303 child, one story CDC facility, and construction of numerous state of the art safe playgrounds for the various age groups to be supported. The main CDC facility includes separate infant/toddler areas, media, music and play areas, group activities areas, kitchen/food service area, administrative space, surveillance cameras, and staff workrooms. Special features include radiant floor heating, baby changing stations, closed circuit surveillance system, AT provisions, and automatic closure of confined spaces, among others. Exterior site features include a new access road, paved drop off area, parking lot, GFM playgrounds, shade structures, covered walkways, sidewalks, exterior lighting and landscaping that includes minimizing unsightly utility components.





## Senior Leaders Quarters

Senior Leaders Quarters are six story buildings for unaccompanied officers and senior enlisted leaders at Humphreys. Each of the 96 units has a bedroom, living room, bath, kitchen, washer and dryer. 36 units are 615 square feet each and 60 units are 535 square-foot each. The second floor has a 2400 square feet multipurpose room that opens to a 900 square feet outdoor deck. These new quarters will help with Humphreys on post shortage of unaccompanied senior leaders quarters.



## Family Housing Phase III

The Family Housing Apartment Building is a seven-story structure with three passenger elevators to accommodate easy access by the occupants. Individual apartment units have full bathrooms, kitchen and laundry facilities. Construction includes a reinforced concrete slab, exterior wall, attic, elevator penthouse, tiled roof, and two basement levels that connect by a corridor to the underground parking structure. Exterior finishes of the structure are face brick, exterior insulation finishing system, clay tile roof of steel structural framing, and concrete bearing and non-bearing interior partition walls. The entire facility is equipped with state of the art fire alarm and fire sprinkler systems, HVAC system, electrical, telephone, and cable TV.



## Parcel 1 Site Work

The Parcel 1 Site Work Project is the first of the USFK Land Expansion construction efforts. The contract provides for the initial land filling to raise a 209 acre site to the 100 year flood level and to complete site work to the finished elevation in preparation for future building construction. It is broken into three distinct work efforts: 1) earthwork to raise the ground level, 2) monitoring the earthwork fill for consolidation, 3) site work which includes roads, sidewalks and drainage features. Efforts in FY07 included clearing and grubbing, installation of a geotextile layer over the native soils, installation of three-stage drainage system in the earthworks, and soil fill with compaction.





# OSAN AIR BASE PROJECTS

FY07 was another year full of activity for the Central Resident Office, with some \$82 million in total placement, including \$16 million in Host Nation work administered by the staff of 25 dedicated individuals at CRO. A brief rundown on notable projects accomplished and ongoing during FY07 is provided below.

## Osan Air Base Family Housing – Replacement Program

### Family Housing Phase II & III

Construction of Air Force family housing progressed with the continuing progress of the three-phased replacement program. The program consists of three high-rise apartment towers (nine, ten, and 13 stories, three General Officers' Quarters, ten Senior Officers' Quarters, a four-level parking garage, an indoor swimming pool, and a housing warehouse addition, at a current cost of \$91 million. When fully completed, 341 quarters will be added to the inventory, replacing the Mustang Valley Village leased quarters.

The program is on schedule and well within budget. Success continued in FY07 with the completion of two additional General Officer Quarters and two of the four levels of the parking garage. The Air Force accepted these facilities in April, June, and July 2007, respectively. Progress is continuing on the housing towers (Phases II and III). 2007 saw the topping-out and closing-in of the structures. Remaining work includes interior finishes and fixtures, exterior work, and building systems commissioning. Anticipated completion dates are scheduled for Feb. and May, 2008. Additionally, groundbreaking occurred in July 2007 for the final five SOQ units.

### The High-Rise Family Housing Towers, Phases II & III

The towers are 10 and 13 stories and contain 104 and 112 dwelling units, respectively. These will offer modern and efficient housing for the Osan military community. The housing will provide a safe, comfortable and appealing living environment. The design provides for a modern kitchen with all appliances, living and family rooms, three and four bedroom configurations, two bathrooms, balconies, and ample interior and exterior storage. Many of the units offer outstanding panoramic view of the Osan Air Base and flight line.



The High-Rise Family Housing Towers, Phases II



**The High-Rise Family Housing Towers, Phases II**

### **The General Officers' Quarters**

The two General Officers' Quarters provide four-bedroom houses with a one-car garage. The quarters are designed in accordance with the GOQ Standards for Programming & Design and include some exterior finishes relating to local Korean architecture. The GOQs are single story buildings with approximately 2100 square-foot of net interior living space. Their features include a master bedroom and bath area, two other bedrooms, an office, dining and living area, a separate family room, and a patio area. These facilities were accepted for use in April and June 2007. The first of the three units was turned over in July 2005.



### **The Senior Officers' Quarters**

The Senior Officers' Quarters consist of two five-unit townhouse buildings. The four level floor plan (1,991 square-foot) consists of foyer, modern kitchen, dining room, living room, family room, and a half-bath on the first two levels and four bedrooms and two bathrooms on the upper two levels. In addition each unit has a one-car attached garage. 2006 saw completion of the first five townhouse units. The remaining 5 units are scheduled for completion in July 2008.



### **The Parking Structure**

The parking garage is a 4 level parking structure that will provide for 433 vehicles. The first two levels were turned over in July 2007.





**The Parking Structure**

## **The Dormitories**

### **The Readiness Dormitory**

With the completion and turnover of this 312 room FY04/FY05 MILCON dormitory project, scheduled for mid-September 2007, unaccompanied enlisted personnel can enjoy their tour of duty at Osan in these new accommodations. The eight-story dorm is the largest and tallest at Osan AB, and consists of seventy-eight quad-plex modules where the occupants are provided individual bedrooms and bathrooms built around a common area for leisure. The common area includes a kitchenette. The facility offers creature comforts such as a lounge, laundry rooms with adjacent terrace, and a gazebo. Total construction cost: \$25.2 million.



### **The Comm Site Dormitory**

This \$10.5 million construction project provides a new five-story dormitory for housing of 156 unaccompanied enlisted personnel assigned to Osan Air Base. The construction consists of thirty-nine quad modules, laundries, lounges, and storage. The project also includes construction of a 345 square-meter replacement building for the communications facility that formerly occupied the footprint of this future dorm (thus the name Comm Site

Dorm). Work started on the dorm in May, 2007 and is scheduled to be complete by Sept. 2008.

Both the Readiness and Comm Site dormitories incorporate a Collective Protection System capable of resisting chemical, biological, and radiological agents. The system provides a toxic-free area where personnel can function without individual protective equipment such as masks and protective garments. These quarters are state-of-the-art facilities for the airmen of Osan Air Base.



## **New Middle School & High School Addition**

This \$20.7 million construction project combines funds from Host Nation and MILCON into one contract. The project includes construction of a new 3-story middle school, and two-story high school addition. Work started in July 2007 and is scheduled to be complete in several phases for the 2008/09 and 2009/10 school years.

The middle school facilities will consist of three separate structures. A three-story middle school building to include classrooms, administrative offices, a cafeteria, and a gymnasium/student assembly wing; a music building to be a shared-use facility with the high school; and a three-level parking garage with rooftop athletic facilities connected by a skywalk to the main school facility.

The new \$2.5 million two-story high school addition (MILCON) includes seven general purpose classrooms, a computer classroom and teacher workroom.



## **Add/Alter Squadron Operation/Aircraft Maintenance Unit Facility**

This \$17.2 million project involves construction of a two story, semi-hardened building addition and selective alterations to an existing squadron operations/Aircraft Maintenance Unit facility. The construction includes special reinforced concrete foundation and floor slab, one meter thick concrete walls and roof, fire detection and suppression system, standby generator and Uninterrupted Power Supply, fuel storage, communications and supporting utilities, pavements, and contaminated soil remediation. Additionally, the facility includes a collective protection shelter to resist chemical, biological, and radiological (CBR) agents. Work which was started in April, 2006 is scheduled to be complete by Feb. 2008.





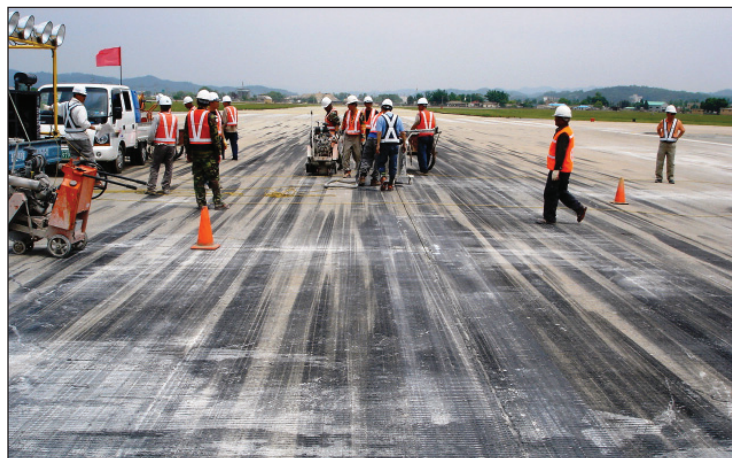
## Upgrade Electrical Distribution System, Phase I

This \$7.5 million construction project replaces an archaic electric power substation and upgrades another to meet current code requirements. The work consists of construction of a new electric power substation, demolition of an old substation, and repair of an existing substation. Installation of new cut-out fuses and switches, pad mounted transformers, interrupters, concrete-encased duct banks, and electrical manholes are included. This is the initial phase to improve the power distribution system at Osan Air Base. The first substation was completed in August, 2007 with the second scheduled for an April 2008 completion. Subsequent phases will replace an aged overhead primary and secondary electrical distribution system with an underground system.



## Airfield Repair Work

Unending repairs to the Osan airfield continued throughout 2006/2007. During a twelve day closure period of the main runway in July, 2007 intense repair work was conducted and completed (\$1.5 million). Repair of Portland Cement Concrete pavement on the airfield entailed full-depth removal and replacement of approximately 60 slabs on the main runway and 40 slabs on the taxiways, and other associated repairs included partial-depth spall repair, new dowelled construction joints, routing and sealing of joints and cracks, and painting of airfield markings. Similar repairs continue though the year in phases on various taxiways, and parking areas without interruption of flying operations. Repairs are necessary to extend the useful life of the field's pavements for flight operations while a second runway is being planned and designed for construction in the coming years. During the year, five delivery orders, with a total value of \$3.1 million, were completed.



## **Renovate SEQ, Bldg #2113, Suwon Air Base, Korea**

This \$2.1 million project renovated (in accordance with Barracks Upgrade Program criteria) senior enlisted quarters, building #2113. The project consists of renovations to 24 two-person room units and 12 one-person room units. The construction provided upgrades to deteriorated living areas, semi-private baths, service areas, and building systems. Upgrades to building systems include HVAC, interior electrical, plumbing, insulation, fire protection and alarm, cable TV, and telephone. Supporting facilities are included to provide communication/information systems to the barracks. In addition, blast resistant doors and windows were installed throughout the building to meet new AT/FP requirements. The renovation took only ten months and was completed in March 2007.



## **Community Activity Center**

This \$3.4 million project provides for a new Community Activity Center. The 13,772 square-foot, one-story facility consists of a reinforced concrete foundation and floor slabs, masonry walls, and a standing seam metal roof. Interior features include two sub-dividable classrooms, three karaoke music rooms, a computer room, a game room, a Nintendo/playstation game room, and a lounge. A small administrative office area is also included. Additionally, the project includes demolition of the old base exchange. The project is scheduled for completion in June 2008.



## **Combined Defense Improvement Program (CDIP)**

### **Construct Aircraft Shelter, Phase III (CDIP)**

This \$6.8 million project to construct two, third generation Hardened Aircraft Shelters started in July 2005, concluded with turn over of the facilities in July 2007. The construction of the HAS included 810 mm thick reinforced concrete roof and walls with metal steel lining plates, concrete parking aprons, fire suppression sys-

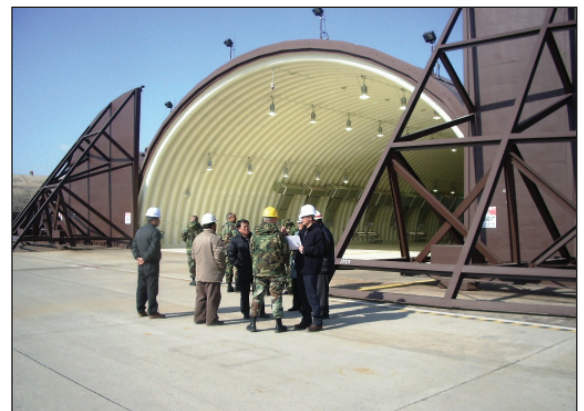


tems (AFFF), interior electrical distribution systems with lights, communication, AT/FP measures, and 100KW backup generators. The shelters house the A-10, Thunderbolt II (a.k.a. Warthog) aircraft.



### **Upgrade Hardened Aircraft Shelters (CDIP)**

A project to renovate twenty-two older Hardened Aircraft Shelters was awarded by the Ministry of National Defense at \$9.2 million. The renovation includes upgrading the interior lighting system for better illumination; seal, caulk and repair cracks, joints and spalled concrete, and paint floor with reflective and light color paint to improve brightness. The electrical distribution system will be upgraded to support the additional power load and the Lighting Protection System will be improved to meet current code standards. Sixteen of 22 HASs have been completed to date, with the remaining six to be completed by the end of 2007.



### **Upgrade A/C Parking Ramp, Suwon Air Base, Korea**

This design/construction project consists of removing the existing Parking Ramp surface (AM-2) and replacing it with reinforced 15" thick Portland Cement Concrete pavement. Other construction requirements included installation of parking ramp edge lighting and flood/area light poles and lights. Project completion is scheduled for Feb. 2008.



## AREA IV PROJECTS

### Taegu Elementary/High School Replacement/Addition, Camp George

The construction work for this FY06 Depart of Defense Dependents Schools Military Construction project started in Feb. 2006 and finished in August 2007 at a cost of \$8.2 Mil. This project is to construct a Two Story Elementary/High School Classroom Building (26,200 SF), a Gym addition (2,900 SF) to the existing Gym, and improve exterior site. The new classroom building has classrooms, music rooms, computer rooms, Junior Reserve Officer Training Corps classroom suite, teacher's work room, private offices and ancillary spaces to include toilets, corridors, janitor closets, elevator, mechanical/electrical and communication spaces. The Gym addition has weight training room, multipurpose room, and storage room. Also the exterior site improvement includes sidewalks, additional POV parking spaces and a service road to the music classroom and mechanical room areas.



### Swimming Pool, Camp Carroll

The construction work for this FY05 Non-Appropriated Funds project started in Feb. 2006 and finished in June 2007 at a cost of \$2.5 Mil. This project is to demolish the existing pool and construct a large heated pool including a 6 lane 25 meter lap pool, non lap swimming pool area, a diving pool area, a water slide landing area and computerized automated vacuum assemblies. Also included are a wading pool, bathhouse (with restroom, lockers, changing area, showers, check in office, lifeguard office), a pump house, sand filters and circulation pumps, volleyball/picnic area (with outdoor showers, picnic tables, umbrellas and treated concrete walking areas), life guard stations, springboards, concrete deck area and chain link perimeter fence.





## Multipurpose Field, Camp Carroll

The construction work for this FY05 Non-Appropriated Funds project started in Feb. 2006 and finished in June 2007 at a cost of \$2.9 Mil. This project is to renovate the existing multipurpose sports field (baseball, softball and soccer) by replacing existing natural turf with high density synthetic grass playing surface. Also, this project is to upgrade the supporting facilities including upgrade of the existing lighting/control system (for semi-professional play of baseball, softball, football and soccer), installation of a removal outfield fence, public address system, renovation of dugouts, restrooms and scoring building, and stripping, cutting and disposal of existing natural grass surfaces and grading outside the bound of the playing surface. Additional exterior electrical utility system, paving, walks, storm drainage, and site improvements are also provided.



## Multipurpose Field, Camp Henry

The construction work for this FY06 Non-Appropriated Funds project started in Oct. 2006 and finished in July 2007 at a cost of \$2.0 Mil. This project is to renovate the existing multipurpose sports field (softball, and flag football) by replacing existing natural turf with high density synthetic grass playing surface. Also, this project is to upgrade the supporting facilities including upgrade of the existing lighting system, fence, score board (with equipment storage building), bleachers, public address system, renovation of dugouts, restrooms and scoring building, and stripping, cutting and disposal of existing natural grass surfaces and grading outside the bound of the playing surface. Additional exterior electrical utility system, paving, walks, storm drainage, and site improvements are also provided.



## KUNSAN & KWANGJU PROJECTS

### FY05 MILCON, Tower Dormitory

The construction began in April 2005. This FY05 MILCON project constructed an eight-story Enlisted Personnel dormitory to provide 96 EA Air Force standard modules. Each module consists of four bed rooms and one share space. Each bed room has a separate latrine and closet. The project also provides lounges, break rooms, and laundries. HVAC (Heating, Air Conditioning, and Ventilation) system, CPS (Collective Protection System), fire alarm and suppression system, and other support system including a pump house were provided under this contract. The project was completed in Sept. 2007 at a cost of \$19.2 million.



**FY05 Tower Dormitory**



**Pump House**

### FY06 MILCON, Tower Dormitory

This FY06 MILCON project will construct an eight-story Enlisted Personnel dormitory to provide 96 EA Air Force standard modules. Each module consists of four bedrooms and one share space. Each bedroom has a separate latrine and closet. The project also provides lounges, break rooms, and laundries. HVAC system, CPS system, fire alarm and suppression system, and other support system including a gazebo and sand volleyball court will be provided under this contract. The project commenced in June 06, and will be completed in August 2008 at a cost of 24.0 million.



**FY06 Tower Dormitory**



**Artist's Rendering**



## Consolidated Personnel Processing/Theater Facility

The project is to construct a consolidated personnel processing and theater facility with a seating capacity for 500 personnel. The facility will consist of pile foundation, reinforced concrete floor slab, concrete wall and SSMR (Standing Seam Roofing System) on the concrete roof slab. HVAC (Heating, Air Conditioning, and Ventilation) system, fire alarm and suppression system, sprinter and CPS (Collective Protective System) and other supporting facilities including emergency power generator will be provided under this contract.



Consolidated Personnel Processing/Theater Facility



Artist's Rendering

## Replace Taxiway Lights, Phases 1 & 2

This project is to replace the existing taxiway lights around the aircraft ramp at Kwang Ju Air Base. New underground electrical conduits with manholes, and control wires between ROK Air Force regulator building and the aircraft ramp will be provided under these JOC (Job Order Contract) Delivery Orders (DOs). The project commenced in Feb 2007 and will be completed in Oct. 2007 at a cost of \$500K.



## Upgrade Hardened Aircraft Shelters

This project is to repair all hardened aircraft shelters in the Tree Area, North/South Loops, and Quick Turn Area on Kunsan Air Base. The work includes replacement of door drive units, door controllers, audio/visual alarms, floor sealing with striping and markings, new heating cables for the door tracks, repair of doors, and replacement of concrete slabs at Tree Area. The project commenced in Oct. 2004, and was completed in Oct. 2006 at a cost of \$7.0 million.



**Upgrade Hardened Aircraft Shelters**



**Finished Hardened Aircraft Shelters Floor**

## **RAPCON Facility**

The project is to construct new RAPCON facility to replace the existing facility. The building consists of pile foundation, reinforced concrete floor slab, walls, and built-up roofing on the concrete slab. Also includes the HVAC system, fire alarm and suppression system, UPS, emergency power generator, and concrete revetment around the building. New RAPCON will be connected to 12 EA base facilities including control tower, existing RAPCON, Communications Squadron, base operations, munitions control, etc. The project commenced in Dec. 2004 and will be completed in Nov. 2006 at a cost of \$2.8 million.



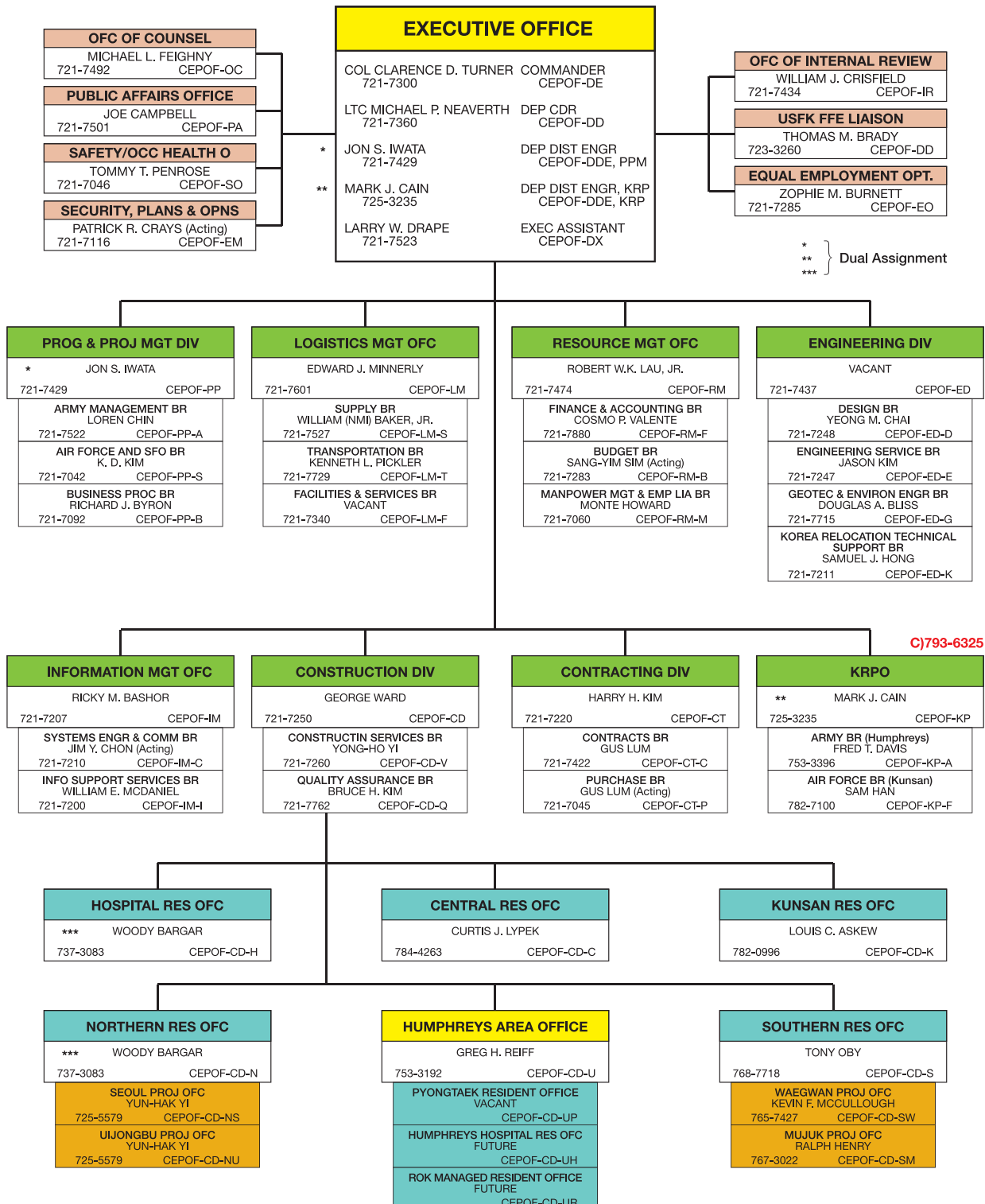




US Army Corps  
of Engineers  
Far East District

# U.S. ARMY ENGINEER DISTRICT, FAR EAST

September 2007





# WORKING TOGETHER!

