

FAR EAST DISTRICT 2023 YEAR IN REVIEW

US ARMY CORPS OF ENGINEERS



US Army Corps of Engineers®
Far East District



Chapel Center, Osan Air Base

Building Strong in Korea!

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2023 YEAR IN REVIEW

An Annual FED Publication

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FROM THE EDITOR

As we reflect on the events and accomplishments of the past year, it is with great pride to present the 2023 Year in Review for the U.S. Army Corps of Engineers - Far East District! This publication highlights the many releasable accomplishments and projects of the team as we support the Department of Defense across Republic of Korea.

Throughout the year, we have supported mission readiness and quality of life for service members through a variety of programs and projects. The public affairs office worked alongside chiefs, project managers, engineers and many more dedicated professionals to compile information and provide updated imagery on the efforts of the USACE team here.

This is my first year serving as editor for FED's Year in Review. I invite you to delve into the publication and look forward to sharing our story with you, the reader, as we continue our efforts of Building Strong in the Republic of Korea.



Rachel L. Napolitan
Chief of Public Affairs
Far East District



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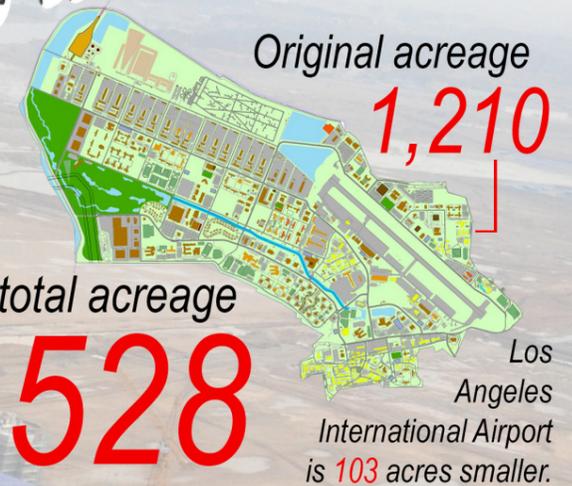
Korea Relocation Program

U.S. Army Garrison Humphreys

By the Numbers



93
Percent of completion
for the entire program



635 buildings completed;

53 buildings under construction or planned.

The number of buildings being demolished:

463

More than **40** miles of water piping has been installed and tested in the new land. Another **40** miles of new roads will be built. Total miles of cabling installed is

988.

\$10.7
Billion total price tag

17.6 million cubic meters of engineered fill already in place, raising the land by about **8.5** feet. High enough to keep out water from a **100** year flood.

Enough fill is in place to fill the old Yankees baseball stadium about **5** times over.



As of March 2024

From the Far East District Commander To Our Valued Stakeholders



Heather A. Levy
Colonel, U.S. Army
Commanding

Thank you for taking the time to read about the U.S. Army Corps of Engineers – Far East District’s accomplishments and efforts in 2023! Our mission would not be possible without the support of our critical teammates including U.S. service components, alliance partners, industry firms and many other stakeholders. The achievements presented in this publication represent their hard work and collaboration just as much as ours.

I am exceptionally proud of our efforts to revolutionize our program delivery. The District worked with bilateral and multi-service partnerships to tackle the challenging problem of elevator readiness across the RoK. We accomplished locally unprecedented acquisition tools to increase efficiency and stakeholder responsiveness. And our team acquired and trained with new geotechnical technology, using it at critical junctures on projects of strategic importance. These dedicated professionals use their expertise and enterprise-wide reach back capabilities to safely deliver quality projects on time and in budget across the Korean peninsula.

One of the hallmarks of the Far East District is our depth of expertise and our dedication to sharing it across the peninsula. We cannot maintain this expertise without continued development. In 2023, our workforce participated in a range of trainings including construction scheduling, construction quality management, design-build

contracts and many more. We also reached back to our counterparts in Savannah District to streamline the AE task order process. The District brought numerous experts to the Republic of Korea to share their knowledge in a series of courses. FED was also able to support many other Districts, as well as our in-theater partners with instructors as we continue providing premiere engineering and project management solutions.

Overall, the Far East District oversees a \$6.6 billion program with over 300 projects in various stages. As we remain committed to building relationships and providing quality products, I personally visited each construction site throughout the year. This gave FED the opportunity to focus in on each project to ensure it is meeting our quality and safety standards. One new safety initiative this year was having contractors present the command with an in-depth safety brief at the worksite.

We have worked to open the Castle doors this year to our engineering counterparts and industry stakeholders. Through our second annual Industry Day, we hosted over 130 participants from 35 companies to enhance competition and build relationships. With an eye on safety and quality, we offered trainings to contractors and our counterparts to ensure a shared understanding. We also reached to our industry partners to find avenues to improve our processes, generate research collaboration and support technical exchanges of information.

FED became a DoD SkillBridge site in 2023, hosting transitioning service members throughout the district to support their post-service employment goals. We also hosted leadership professional development sessions for our engineering counterparts at the 52nd Brigade Engineer Battalion, 8th Civil Engineering Squadron and others. We provided a tour of barracks construction to USAG Humphreys’ Better Opportunities for Single Soldiers (BOSS) program to hear real-time feedback on how Soldiers use the facilities, while also giving servicemembers the chance to go behind the scenes of the construction process. Plus, we engaged with over 1,000 students on Camp Humphreys to encourage the next generation of scientists, technologists, engineers and mathematicians.

This year was truly a milestone for FED as we worked alongside MND-DIA to turn over the final major construction project in Pyeongtaek for the Yongsan Relocation Program (YRP). After navigating a decade of work, we turned over PHASE III on Camp Humphreys and just a

few weeks later the chapel on Osan Air Base. These last two projects represent over 16 years of joint efforts between the two governments to construct everything the U.S. military needed to relocate from Yongsan Garrison to south of the Han River. This milestone could not have occurred without the dedication of countless individuals who worked together to see the program through to fruition.

And as the only permanent contingency district in USACE, we continue to plan and train for wartime operations. The Far East District supported two major annual joint and combined forces training events on the peninsula. We have enhanced our coordination with the Ministry of National Defense (MND) and the Defense Installation Agency (DIA), to provide ready and capable

field engineering forces, enabling CFC and USFK to complete their missions.

On a personal note, this year marked a new name for me: “La Hae-young.” The Republic of Korea-U.S. Alliance Friendship Association bestowed the traditional Korean name, which means “shining together,” on me in a ceremony in December. I was honored to have Maj. Gen. Jo Byung-yoon, commanding general, ROK Ministry of National Defense – Defense Installation Agency, and numerous other stakeholders and friends join me to receive the name. The honor is not just for me, but the entire Far East District team, and I hope it continues to guide us as we all continue to unite and develop a brighter relationship in 2024.



Upgraded Wolf Pack Flows opened at Kunsan Air Base on March 21, 2023.



ARL for a new chapel at Osan Air Base held on Nov.30, 2023.



ARL for C41030 Phase III facility, Humphreys held on Nov.16, 2023.



Runway repair project at Kunsan Air Base completed on August 30, 2023.

Programs & Project Management

Air Force Branch

The Air Force Branch was hard at work in 2023 during which they successfully executed two construction contracts just under \$161 million and nine design contracts totaling a little over \$219 million. During the year, the team welcomed two new project managers and said farewell to one. The branch executed four contracts (one construction and three designs) at Osan Air Base, three contracts (one construction and two designs) at Kunsan Air Base. In addition, they issued two contracts each at Gwangju Air Base and Gimhae Air Base along with one contract at Suwon Air Base.

A key success for FED came from a Project Delivery Team (PDT) composed of FED personnel, subject matter experts from the Transportation Systems Center (TCMCX), and various agencies within the Air Force who worked diligently from April 1 to July 31 to complete the Repair Pavement at Runway

& Overrun at Kunsan Air Base. During this period, the Eighth Fighter Wing had to be temporarily relocated to Osan Air Base. To minimize the impact to the stakeholder, all planning, acquisition, and procurement was accomplished prior to the start of construction. TCMCX, Air Force Installation and Mission Support Center paving subject matter experts were instrumental in the process of design, review, and acceptance of high-strength concrete to ensure all requirements were met or exceeded the stringent specifications. A huge win for the team on not only completing this project ahead of schedule but for finding opportunities to accommodate additional work in the runway areas. The successes of this project were recognized on several media outlets to include U.S. Pacific Command (PACOM) and USFK. This project is also FED's candidate submission to compete for the PDT of the Year Award.

Army, Navy, Marine Corps Branch

It was another busy year for the Army, Navy, and Marine Corps Programs Branch. The branch completed four ROKFC-in-Kind designs representing \$230 million worth of construction and transmitted them to the Korea Ministry of National Defense – Defense Installation Agency (MND-DIA) for construction procurement. The projects which include the MIL-VAN/Connex Storage facility and Quartermaster Laundry facilities at Camp Humphreys, the Ordnance Storage Magazine pad and new water treatment plant at Navy Fleet Activities Chinhae, and new Ordnance Storage Magazines at Marine Corps Base Pohang. These have all been awarded or will be awarded shortly to begin construction in early 2024. The branch also neared construction completion of three major family housing as well as enlisted housing projects valued at \$311 million at Camp Humphreys and Camp Walker which will go a long way towards easing the housing shortage at these instal-

lations. In addition, the branch also turned over the Type II Aircraft Parking Apron and Taxiway at Camp Humphreys, and the replacement/repair of the Sewer piping system at Camp Walker. In total, the branch managed a total design and construction program valued at over \$3 billion.

Steve Kim, who had stepped in to serve as Branch Chief, accepted a permanent promotion as a National Program Manager at USACE Headquarters and departed for Washington DC in October. At the same time, Tom Cha returned to the Branch Chief position from an 18-month detail as Program Management SME assisting the Dominican Republic Government in establishing a Program Management Organization within their central government. Throughout the year, the branch did its part in training and mentoring our future workforce by hosting one Army Intern and two developmental PM detailees who will add to the deep bench of talent within the district.

Installation Support Branch

The Installation Support Branch had a full year in which it both supported the program and the team grew to incorporate more work than the branch had executed in previous years. The team welcomed five new project managers and one de-

tailee over the course of 2023 and said farewell to four project managers. The branch successfully executed over 85 projects at an estimated value of \$222 million. The projects supported numerous customers across the peninsula to include USA,

USAF, USMC, USFK, DHA, Defense Logistics Agency (DLA), IMCOM-Pacific, Eighth Army, and subordinate commands.

It's no surprise that several of the branch's teams were nominated and selected for awards throughout the year. Sin Ki-sok was recognized as the Project Manager of the Year by both FED and POD and Valdez Blackwell was the award recipient of the Most Promising Engineer Award for the Black

Engineer of the Year Award (BEYA). Additionally, the Branch's Project Delivery Team (PDT) for the IMCOM BUILDER program was named the best team of four that executed the BUILDER program overseas and the best PDT for USACE Mobile District. The team members were presented with Army Civilian Service Achievement Awards from USACE Mobile District in recognition for their efforts.

Program Support Branch

During 2023, the Program Support Branch (PSB) hosted four employees in detail positions from other offices, both internal and external to the Division, providing crucial project control support to Project Managers as well as data visualization and program analysis products for use by PPMD and District management. The Program Analyst (PA) teams managed funding for a record high 360 active projects, processing over 1,500 individual Military Interdepartmental Purchase Request (MIPR) transactions totaling nearly \$255 million and 57 funding allowance documents at more than \$4.3 million. Additionally, the PA's provided support for 568 Construction and A-E contract awards or modifications for transactions totaling more than \$245 million, as well as the associated P2 project resource updates, and the creation of copious labor PR&C's.

Exercising superb program management skills, PSB executed the requested FY23 annual Host Nation Planning and Design (HN P&D) budget at 100.11 percent maintaining a pre-planned carryover of \$322,000 ensuring Host Nation De-

sign and Construction Surveillance efforts continued uninterrupted while the district awaited receipt of FY24 funds. The U.S. Funds Team's diligence and understanding of the need for expediency in returning expiring and canceling funds prior to year-end allowed FED's customers time to redistribute those funds for other authorized purposes in support of the warfighters. Clearing these canceling funds enabled FED to meet the Headquarters USACE scorecard metrics for expiring and canceling funds account balances in FY23.

The Project Controls (PC) Team initiated 146 projects in P2 valued at over \$932 million and closed out 180 completed projects with a total program amount of over \$2 billion. The Data Management Team expanded availability to district data by adding additional interactive dashboards, making nine total dashboards, each targeted for specific uses and made available to the entire workforce. As PSB ensures the current workload is completed, they prepare for the future workload increase as the Korea Air and Space Operations Center (KAOC) and Daegu Air Base Relocation projects become reality.

Relocation Program Branch

On Nov. 2, 2023, the Office of the U.S. Design and Construction Agent (DCA), otherwise known as the Relocation Programs Branch, turned over the #1 Priority Project for the Far East District (FED), C4I030 Phase III Facility at USAG Humphreys. This was a Yongsan Relocation Program (YRP) special project where FED completed the 100 percent design and was awarded a 100 percent U.S. construction contract due to Sensitive Compartmented Information Facility (SCIF) requirement, in compliance with Intelligence Community Directive (ICD) 705 standards. Valued at \$172 million, this two-story structure is over 82,000 square feet and was constructed

in compliance with the DoD Standards for Overseas SCIF construction to accommodate the relocation of the Special U.S. Liaison Advisor Korea (SUSLAK) Headquarters on Yongsan to USAG Humphreys. This complex and complicated project took over 10 years in construction to complete with the Project Delivery Team (PDT) working tirelessly on this project. The PDT was able to overcome multiple non-standard project hurdles from resolving a contractor solvency issue, and numerous deficiencies associated with the Government Furnished Equipment (GFE), to litigation issues.

Security Operations Branch

It was an exciting year for the Security Operations Branch as they completed a \$15 million chapel at Osan Air Base, which is one of the last major construction projects in the Pyeongtaek area signifying the closure of the \$10.7 billion Yongsan Relocation Program (YRP). The official turnover took place on Nov. 20, 2023, with the ribbon cutting held Feb. 29, 2024. The

chapel is a 24,000-square-foot complex which provides a center of worship for multi-denominational religious services, classrooms, and a reception area that can accommodate over 300 people. This critical facility contributes to the spiritual well-being of the Osan community and supports the quality of life of our Air Force families.

Construction Division

Construction Services Branch

The Construction Services Branch (CSB) consists of a Contract Administration (Negotiation) team and a General Construction Administration team. They are responsible for providing support to the district and Construction Division as well as the Area and Resident Offices in contract administration. Members of the CSB work as an integrated team and are responsible for negotiating contract modifications and schedule review, as well as RMS data analysis and various construction management reporting to the district. The primary objective is to ensure the timely delivery and execution of post-award contract actions through responsive and effective construction contract administration and technical support.

In 2023, the Contract Administration team negotiated 30 Job Order Contract (JOC) task orders with a total value of approximately \$22.4 million and processed over 212 contract changes for CD. They also reviewed the execution of contract modifications worth approximately \$38.3 million. The team reviewed technical and price analyses of Request for Equitable Adjustment (REA) claims from contractors, prepared reports on the status of claims,

modifications, undefinitized contract actions and physically completed projects. The team coordinated with the Office of Counsel to evaluate and investigate contractor claims and preparation of Findings of Facts and technical presentations. These presentations were used by contracting officers in issuing their decisions and by counsel in presenting the claims to the Engineer Board of Contract Appeals.

The General Construction Administration team performed 28 biddability reviews and processed 31 evaluations under CPARS and closed out 33 contracts in a timely manner. The team analyzed construction output reports including, Estimated Work Placement (EWP) and full-time equivalent (FTE) generated by the RMS/EDW/EWP for the District and coordinated with recipients of generated reports to ensure data requirements were met. The solicitation packages were reviewed by the team members to ensure each new project has the current information, such as user liquidated damages, site release statement, list of salvageable materials, Government-Furnished Materials, phasing plans and user's construction condition requirements. They prepared 14

special clauses for new construction contract solicitations. Additionally, the team managed \$352 million in work placements, representing 89 percent of the scheduled \$397 million.

The project schedulers performed a review of seven initial project schedules and follow-up monthly updates and conducted 12 time-impacted analyses. They assessed and implemented the full and efficient application of the PRIMA-VERA P6 system that includes scheduling, risk analysis, resource management, collaboration, and control capabilities. Currently, two schedulers are supporting the CRO, KRO and SRO projects.

The Construction Services Branch conducted a Construction Management Evaluation (CME) for the SRO to improve construction management and provided guidance to the field offices within CD related to construction contract administration. The QMS, Construction Contract Administration C.9.2 with sub-QMSs under C.9.2 including related documents have been updated with the latest standard operation procedures and finalized incorporating input from the field offices.

Quality Assurance Branch

In 2023, our accomplishments extended well beyond Quality Assurance. The Quality Assurance Branch (QAB) effectively provided and implemented numerous state-of-the-art construction quality and technical support services for all ongoing high-profile projects on the Peninsula. This construction technical support is currently being delivered to the Far East District through the leadership of a diverse team com-

prising 28 employees across various engineering disciplines. This encompasses a range of disciplines such as architecture, civil, control systems, electrical, engineering support administration, fire protection, mechanical, welding/blazing. One of the fundamental strengths of the branch is providing construction technical support and assistance to area, resident offices, and military customers. The branch engi-

neers are considered experts in their respective fields, and collectively, they enable QAB to fill in gaps in knowledge at resident offices and leverage construction expertise across all field offices. This year was dynamic with numerous high-dollar, high-profile projects being completed and turned over to the Far East District's military customers.

Submittal, shop drawing review, and on-site technical support are one of

the main capacities by which QAB supports field offices and our customers. A standard process of construction, this vital procedure guarantees that only authorized and top-quality materials are utilized in the facilities that we construct. During the 2023 calendar year, the branch reviewed a staggering 3,853 construction submittals, with each engineer reviewing, on average, 175 construction submittals. Additionally, the team has demonstrated increased determination and a heightened focus on quality assurance during the design phase of projects. The QAB team has conducted a total of 147 BCOES reviews for district's design contracts. The team's efforts have been centered on mitigating design deficiencies that could potentially impact costs and schedules during the construction phase by working to identify and address potential issues. By conducting thorough BCOES reviews, the team has aimed to reduce risks associated with construction quality, cost and time growth, and unneces-

sary changes, as well as support safety during construction.

One of the main ways of ensuring a high standard of construction quality is performing scheduled on-site inspections and boots-on-ground technical support of construction. These comprise on-site inspections, and technical supports like Testing, Adjusting, and Balancing (TAB) as well as Performance Verification Test (PVT). Some of the challenging projects that QAB has been instrumental in bringing to completion in 2023 are USFK Ops Center and Phase III at USAG Humphreys; the 5th Reconnaissance Squadron Operations at Osan AB; the runway and overrun repair project at Kunsan AB; and the Unaccompanied Enlisted Personnel Housing Tower 2 at USAG Humphreys.

Another way QAB provided support to the Construction Division throughout 2023 is by conducting the Construction Quality Management for Contractors (CQM-C) Training. This training is mandatory for all superinten-

dents, quality control managers, and project managers involved in construction work within the Far East District. The year 2023 had a significant increase in the number of students due to the award of 44 new construction contracts, ranging from small JOC to high-profile Host-Nation-funded projects, totaling over \$2.1 billion. Each CQM-C session conducted in 2023 had a full turnout, and a total of 203 contractor QC personnel were trained during the six sessions. Additionally, partnering sessions were conducted with the RoK Ministry of National Defense – Defense Installations Agency (MND-DIA). These events were instrumental in building key stakeholder relationships and a positive team atmosphere. Overall, this will persist in enhancing the district's capacity to address issues, showcasing their proficiency as the U.S. Design and Construction Agent (DCA), and ultimately ensuring the successful delivery of the ROKFC-in-Kind program.



The Construction Division provides construction Quality Management (CQM) training for the Korean Military Contractors Association (KMCA) construction quality contractors.



The Quality Assurance Branch (QAB) team inspects the welding at UEH100A, Unaccompanied Enlisted Personnel Housing, Phase 3, USAG Humphreys.

Central Resident Office Projects

ROKFC-in-Kind, Construct Munitions Storage Area (Delta Site), Osan Air Base

The district awarded a \$164.6 million construction contract for this ROKFC-in-Kind project on Nov. 14, 2022, to DAEWOO E&C. The project includes construction of 33 Large and 13 Small Munitions Storage Magazines (MSMs). It also encompasses support-

ing facilities including a Munitions Administration Building, Conventional Munitions Building, Surveillance Inspection Facility, Precision Guided Munitions Building, Trail Wood Shop Facility, four inert storage facilities, three ISO pads, entry control and eight defense fighting position facilities.

The contract duration is 1,486 days with a Construction Completion Date (CCD) of Dec. 27, 2026.



Munitions Storage Area (Delta Site), Osan Air Base



Rendering of Munitions Storage Area (Delta Site), Osan Air Base

For the past year the contractor has been working to prepare the large area site for the new facilities by clearing the vegetation, excavating, and grading. Over the next year, much of the area will be covered with surcharge material to compact the soil, preparing it for the new facilities. Upon completion of the Delta Munitions project, the 7th Air Force will relocate their munitions storage from 1960s-era facilities to these new modernized facilities resulting in enhanced warfighter capabilities.

ROKFC-in-Kind, Upgrade Electrical Distribution West, Phase 3, Osan Air Base

The construction contract for this ROKFC-in-Kind project was awarded on Nov. 3, 2023, with construction completion scheduled for July 23, 2027, a duration of 1,339 calendar days. This \$149.3 million project will underground much of the existing electrical overhead primary and secondary distribution lines, construct new underground electrical distribution lines, three new substations and control buildings, and interconnect with a new KEPCO Substation.

The project is just getting started and when complete will improve the capacity and reliability of the Osan Air Base electrical system.

ROKFC-in-Kind, Corrosion Control Facility, Phase 3, Osan Air Base

The \$8.5 million construction contract for this ROKFC-in-Kind project was awarded on Dec. 29, 2021. It was

subsequently Terminated for Convenience on Nov. 30, 2023, due to design-related issues. The path forward includes a redesign, which is ongoing.

The project aims to complete construction of the existing Aircraft Corrosion Control Facility, Building B-1635, which includes critical system repairs at the restoration bay/wash bay, paint booth/bead blaster booth, paint mixing room, storage room, transition rooms/areas, and hazardous material. It will also update the facility's HVAC, electrical/communications systems, an underground water storage tank plus pumps, piping, controls and accessories, and floor layout to ensure proper function and code compliance.



Corrosion Control Facility, PH3, Osan Air Base

ROKFC-in-Kind, Osan Child Development Center

The construction contract for this \$18.8 million ROKFC-in-Kind project was awarded on Dec. 29, 2021, with construction completion scheduled for October 2024. This project will construct a consolidated Child Development Center (CDC) and School Age Care (SAC).

The new facility will be centrally located at the Military Family Housing footprint in Mustang Valley. The CDC & SAC will follow standard designs per Air Force Child Development Facility Criteria as well as Youth Programs Facility Criteria. It will offer activity rooms with private toilets, an administration space, a kitchen, a janitor closet, storage and all other required operational capabilities. The proposed consolidated fa-

cility capacity totals 3,821 grams per square meter (GSM) and houses up to 274 children from ages 0 to 8 years.

Currently, the project is 65 percent complete after construction of the building envelope, utility infrastructure, 15 percent gypsum wallboard, and 10 percent painting. The project is working in four phases as material equipment becomes available.



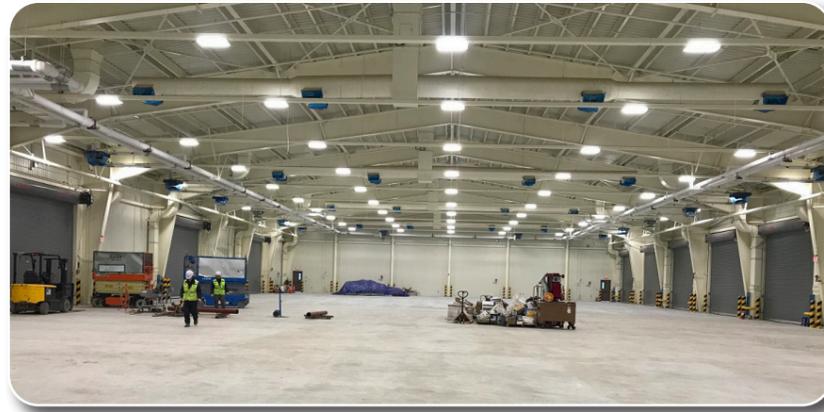
Child Development Center, Osan Air Base

ROKFC-in-Kind, Airfield Damage Repair Warehouse, Suwon Air Base

The construction contract for this \$8 million ROKFC-in-Kind project was awarded on Dec. 29, 2021, with construction completion scheduled for Jan. 9, 2024.

It will construct a new Airfield Damage Repair Warehouse (2,601 GSM, 27,997 grams per square meter (GSF) and isolation (ISO) storage pad (2,200 GSM, 23,680 GSF). The facility will be a semi-heat pre-engineered metal building which will house organization vehicles and associated administrative functions for the 607th Material and Maintenance Squadron (MMS). The ISO storage pad will provide storage space for the squadron in support of airfield maintenance and repair.

Currently, the project is 86 percent complete with the ISO concrete pad constructed and most of the ADR warehouse complete. The remaining warehouse components and systems will be completed 2024.



Inside of the Airfield Damage Repair Warehouse, Suwon Air Base



Rendering of the Airfield Damage Repair Warehouse, Suwon Air Base



New 5RS Hangar, Osan Air Base

ROKFC-in-Kind, New 5RS Hangar, Osan Air Base

The construction contract for this ROKFC-in-Kind project was awarded in October 2019. The \$8.5 million project will be a shelter and allow for minor maintenance of a U-2 aircraft at Osan Air Base.

The project includes all utilities, site work, pavements, airfield lighting, HVAC, electrical system, communications, fire suppression system, security fence with intrusion detection system (IDS), sewer lift station, bike rack facility, storm drainage system repairs/upgrade and demolition. During 2023, construction finished and the hangar was turned over to the 5th Reconnaissance Squadron (5RS) in June.

ROKFC-in-Kind, New 51st Communication Squadron Communication HQ, Osan Air Base

The \$67 million contract for this ROKFC-in-Kind project for the new 51st Communication Squadron (CS) headquarters was awarded on Dec. 29, 2021, with the ground-breaking ceremo-

ny held in May 2022. It will replace the current facility, B949, to support the 51CS's growing mission. The new HQ will be a modern, semi-hardened, 4-story facility embedded in a large hill. It will include a Command Suite, space for 120 staff, and a dedicated parking lot.

The project was delayed by one and a half years due to a portion of the Trans-Korea Pipeline located too close to the planned building foundation which was resolved in 2023. So far, 5 percent of the

work, shoring and soil removal, has been completed. The project is currently scheduled to finish in May 2026.

ROKFC-in-Kind, Airfield Damage Repair Warehouse, Osan Air Base

The construction contract for this ROKFC-in-Kind project was awarded on Dec. 16, 2022, with construction completion scheduled for Aug. 5, 2025. The \$26 million project will construct



Rendering of the new 51st Communication Squadron Headquarters, Osan Air Base



The New 51st Communication Squadron Headquarters, Osan Air Base

two Airfield Damage Repair Warehouses (4,812 SM & 3,020 SM), one ISO storage pad (3,540 SM), a new guard shack and a golf net.

The warehouses will be semi-heat pre-engineered metal buildings to house organization vehicles and associated administrative functions for the 51st Civil Engineering Squadron (51st CES). The ISO storage pad will provide storage space for the squadron in support of airfield maintenance and repair.

Currently, the project is 8 percent complete with the construction of the MUNS guard shack and the golf net poles. The pile work for the first ADR Warehouse has also begun.

CY18 LDUI-Imbalance F09R401 Construct Chapel Center, Osan Air Base

The \$11.6 million construction contract for the YRP project was awarded on Nov. 11, 2020, and turned over Nov. 30, 2023.

The new center replaces the previ-



Inside of the Chapel Center, Osan Air Base



Chapel Center, Osan Air Base

ous chapel and Youth Services Facilities. The new chapel's 300-person worship center is the highest point and focal point of the facility. Two main entrances bisect the building into two halves oriented east and west. The west entrance focuses on the Air Force Memorial while the east entrance opens to Utah Street with a visitor drop-off/pick-up point. There are two parking areas in conjunction with each entry.

The facility also takes advantage of the Turumi Lodge Green visually as it now creates the east edge of the green. The south half of the building encompasses the worship center with the north half holding the Religious Education, Administrative and Fellowship Hall with a convenient entry. An outdoor courtyard gathering space can be used for a variety of functions.

The chapel's ribbon cutting occurred on Feb. 29, 2024, opening it to the public for use.

US Funded SRM Projects: W912UM21C0002 Repair Fire Protection, Hangar B-1173, Osan Air Base

Part of an effort in the Pacific Region to upgrade the fire protection systems of USAF hangars, this project renovated the fire protection system in hangar B-1173 at Osan Air Base. During 2023, contractors completed 99 percent of the work on this \$3.7 million project.

The project replaced the electrical, HVAC, and fire protection systems in the hangar. It also included adding 829 square feet of floor area for new locker rooms, restrooms, offices, and storage rooms. This was accomplished by removing the back wall of the hangar and constructing a concrete structure that extended 10 feet outside the back of the hangar. The project is scheduled to be completed in January 2024 and will be turned over to the 51st Maintenance Squadron.

W912UM21C0008 Repair Contingency Fuel Delivery System (Rail Spur), Osan Air Base



Repair Fire Protection Hangar B1173, Osan Air Base



Repair Contingency Fuel Delivery System (Rail Spur), Osan Air Base

This \$2.2 million project repairs the rail line that runs into Osan Air Base from nearby Songtan Station for fuel delivery to Osan AB in contingency operations. It is an extension of Korea's KORAIL system, but has not been operable for many years. During the line's time in disuse without maintenance, KORAIL has also upgraded its safety and operational requirements so the line must be repaired and upgraded to support the 51st Fighter Wing's mission. Part of the upgrade will be to in-

stall a rail-spur to allow for turnaround on base, as well as more efficient fuel delivery. While 30 percent of this project is to construct the new rail spur, most of the project will be to reroute underground utilities obstructing site work and make general site improvements.

During 2023, less than 1 percent of the work was completed due to differing site conditions encountered. This project was awarded in August 2023 and is expected to be completed in 2024.

W912UM22C0008 Repair Lightning Protection System at 51st MUNS Pre-Load Area, Osan Air Base

This \$1.1 million project awarded in Sept. 2022 will replace the existing Lightning Protection System in the Munitions Pre-load Area. The removal of the existing system will be included in the design. It is expected to be completed in July 2023.

W912UM23C0006 Add/Repair Petroleum Operations Building 1223, Osan Air Base

The project upgrades a facility built in 1959 through expansion and renovation. The original building lacked both space and infrastructure so this \$2.8 million project provides an adequately sized and configured petroleum operations building.

Current conditions at the facility prevented the Fuels Laboratory from regulating its temperature, potentially negatively affect the quality of the tests performed on Osan’s fuel supply. The renovation includes all utilities, heating, ventilating, and air-conditioning, force protection measures and fire protection/detection system. The facility includes administrative areas, a fuel laboratory, a training room, an accounting office, a fuel service center, break rooms and restrooms.

During 2023, less than 1 percent of the work was completed due to a differing site condition encountered. The project was awarded in July 2023 and is expected to be completed in July 2025.

W912UM24C0001 Repair POL Tank 2662, Suwon Air Base

This \$3.8 million project will convert a diesel storage tank 2662 to a JP-8 storage tank by replacing the protective tank coating system. The existing pumps and equipment on tank 2662 need repairs after being in disuse for more than 10 years. The project also includes repairs to existing electrical system including electrical panels on pump house (B-2663) and all other necessary works



Add/Repair Petroleum Operations Building 1223, Osan Air Base



Repair POL Tank 2662, Suwon Air Base

for a complete and usable facility. It was awarded in November 2023 with construction anticipated to begin March 2024. Completion is scheduled for November 2024.

W912UM24C0002 Repair Collective Protection System for HTACC B935, Osan Air Base

This project provides mechanical improvement to the current Collective Protection System (CPS) by replacing the current outdated M49 filter system with a new M98 filter system for the Hardened Theater Air Control Center (HTACC), B935. This \$3.6 million

project will also install CO2 scrubbers, and repair/upgrade the electrical system for the new filter system as necessary. The project was awarded in November 2023 with construction anticipated to begin in November 2024. It is expected to be completed that same month.

W912UM23C0007 Repair Telecommunications Facility B-2005, Suwon Air Base

This \$3.9 million project replaces and/or repairs the electrical systems, mechanical and plumbing systems, structural and architecture components, ceiling, wall, floor, roof, and exterior finish and drainage of building

2005 at Suwon AB. This project was awarded in July 2023 and CCD is October 2024.

W912UM23F0123 DB, Replace Existing Emergency Generators, Suwon & Daegu Air Bases

This \$990,000 project replaces the existing emergency generators at B-2106 in Suwon Air Base and B-506 at Daegu Air Base. The project is currently in the design phase with scheduled completion in August 2025.

Air Force Job Order Contract

There are four active JOC contracts for Central Resident Office: W912UM20D0004–AF SRM JOC Contract, W912UM23D0014–AF SRM JOC Contract, W912UM22D0001–Area III & IV JOC Contract, and W912UM23D0015–Paving JOC Contract. Total Contract Amount for JOC projects is approximately \$30 million.

W912UM20D0004 Air Force SRM JOC Contract

Of the 20 listed contracts at Osan and Suwon Air Bases, the team completed four in 2023:

1. W912UM21F0093, Replace Instrument Landing System, Inside Runway, Osan Air Base. (Contract amount: \$1,519,263)
2. W912UM21F0109, Repair Military Family House Infrastructure, Osan Air Base. (Contract amount: \$641,192)
3. W912UM22F0054, Commissioning 5K GAL Diesel Tank, K-16 Army Airfield. (Contract Amount: \$72,456). Completed.
4. W912UM22F0059, Repair War Reserve Material Storage Warehouse, Suwon Air Base. (Contract Amount: \$170,638) Completed.
5. W912UM22F0067, Repair Airfield Pavement, Osan Air Base. (Contract amount: \$3,790,248)
6. W912UM22F0070, Repair Water Heater, Base-Wide, Osan Air Base,

Korea. (Contract Amount: \$1,321,141)

7. W912UM22F0073, Repair Military Family Housing JOC #2, Osan Air Base. (Contract Amount: \$285,529) Completed.
8. W912UM22F0082, Renovate S-52 Restrooms, B2203 Suwon Air Base. (Contract amount: \$78,442)
9. W912UM22F0083, Repair Storage Facility, B2408, Suwon Air Base. (Contract Amount: \$251,134) Completed.
10. W912UM22F0084, Replace Chillers for Multiple Facilities Osan Air Base. (Contract amount: \$2,325,222)
11. W912UM22F0085, Replace Lighting w/LED Military Family Housing, Osan Air Base. (Contract Amount: \$5,993,685)
12. W912UM22F0091, Replace Generators and ATS, Osan Air Base. (Contract Amount: \$607,206)
13. W912UM22F0092, Repair 18 Intel Squadron Operations, B322 Osan Air Base. (Contract amount: \$498,481)
14. W912UM22F0093, Repair Failing HVAC System Multi Facilities, Osan Air Base. (Contract amount: \$2,322,731)
15. W912UM22F0096, Repair Chapel, B-2205 Suwon Air Base. (Contract amount: \$354,628)
16. W912UM22F0111, Replace infrared Radiant heaters at building No. B-2504 Suwon Air Base. (Contract amount: \$277,153) Completed.
17. W912UM22F0114, Construct Concrete Pad for SCAT, Suwon Air Base. (Contract Amount: \$259,954) Completed.
18. W912UM22F0119, Substations Serving Barracks, DFAC & Lodging Suwon Air Base. (Contract amount: \$826,546)
19. W912UM23F0023, Replace Chillers, Osan AB. (Contract amount: \$572,111)
20. W912UM23F0027, Repair Failing HVAC, Osan AB. (Contract amount: \$335,550)

W912UM23D0014 Air Force SRM JOC Contract

The following eight contracts were awarded in 2023:

1. W912UM23F0087, Install Gravel Road with Culvert, Suwon Air Base. (Contract amount: \$119,822)
2. W912UM23F0091, Replace Existing Fluorescent Lights to LED B-2203, Suwon Air Base. (Contract Amount: \$346,412)
3. W912UM23F0094, Replace Mech Substations, Suwon Air Base. (Contract amount: \$840,933)
4. W912UM23F0104, ADA Ramp Military Family Housing JOC #3, Osan Air Base. (Contract Amount: \$432,301)
5. W912UM23F0106, Repair Latrines and Flood Damaged Fac, Osan AB (Contract amount: \$967,495)
6. W912UM23F0108, Replace Walk-in Refrigerators and Ventilation System B-2115, Suwon Air Base. (Contract Amount: \$596,258)
7. W912UM23F0109, Repair HVAC Basewide, Osan AB (Contract amount: \$567,275)
8. W912UM23F0117, Replace Lights and Electrical Heat Pump Unit B-2522, Suwon Air Base. (Contract Amount: \$142,941)

W912UM22D0001 Air Force SRM JOC Contract

The following contract was awarded in 2023:

1. W912UM23F0110, Repair Pilsung Range Maintenance Facilities S-57 and S-59. (Contract amount: \$228,044)

W912UM23D0015 Air Force SRM JOC Contract

The following two contracts were awarded in 2023:

1. W912UM24F0001, Repair Airfield Pavements, Osan Air Base. (Contract amount: \$2,664,237)
2. W912UM24F0003, Construct Parking Apron for LAMS, Suwon Air Base. (Contract amount: \$938,945)

Humphreys Area Office Projects

Family Housing Resident Office

AFH090 MILCON, Army Family Housing

This \$141 million project consists of three high-rise, multi-story family housing apartment towers to accommodate a total of 216 family dwelling units for Senior Non-Commissioned Officers (E7-E8) and their families. Located next to other family housing towers on U.S. Army Garrison (USAG) Humphreys, the new facilities provide 144 three-bedroom units, 54 four-bedroom units and 18 five-bedroom units along

with ancillary facilities such as “tot lots,” multi-age playgrounds and underground parking to accommodate 250 vehicles. The project was awarded to contractor Yojin Construction and Engineering Co., Ltd. on Feb. 26, 2019. Currently 97 percent complete, the contractor is working on commissioning the heating, ventilation, emergency generator, air conditioning (HVAC) system and interior finishes. It is now effectively complete and scheduled to be turned over in 2024.



DoDDS040, USAG Humphreys East Elementary School

CY22 ROKFC-in-Kind, DoDDS040, PN A11R925 Elementary School

This project will construct a two-story elementary school for 440 students, expandable to 600 students, from pre-K to fifth grade, including the staff members, of the Department of Defense Education Activity (DoDEA). The school facility will have a steel-framed concrete reinforced structure. It will eventually include a playground, non-organizational parking, and a multipurpose athletic field for kindergarten to fifth grade, and staff. It complies with current DoDEA requirements, fire protection and alarm systems requirements, security measurements, and Antiterrorism/Force Protection (AT/FP) design requirements. The contract was awarded to the contractor, Ilsung Construction Co., Ltd., on April 11, 2023, for \$52.7 million. Currently, pile installation is complete, and the contractor is working on form and rebar work for the grade beams. The project is on schedule at 12 percent. Turnover is scheduled for March 24, 2026, in time to be outfitted and opened for the 26-27 school year.

W912UM21C0005 OMA, Repair Parking HHBN and Burke Skies

This is a renovation of the existing parking lot around the Burke Skies Center, a Child and Youth Services Center, at USAG Humphreys. The purpose is to increase the number of parking spaces and provide drop-off & pick-up points serving the facility, and to provide new parking spaces on the access road to nearby buildings B-6315, B-6317, and B-6319, and an asphalt troop trail with a fire lane to 11th street. This project will be completed in two phases to allow traffic passage. This project was awarded to Pinewood Inc, on Aug. 25, 2021, and is expected to be turned over for use in early February 2024. The total cost of this project to date is approximately \$2.1 million.

W912UM21C0010 Design-Build, Replace Underground High Voltage Electric Power Lines

This \$6 million project awarded to Krima Construction, Co. upgrades the power infrastructure at USAG Humphreys, replacing “T-splices” in 53 electrical manholes (EMH) of underground power cables with new pad-mounted junctions (PMJs). The contractor will prepare civil engineering design drawings and specifications, remove outdated splices and connect new cables to new PMJs provided by the contract. Awarded Sept. 29, 2019, and initiated November 2022, the project is expected to complete by May 6, 2024.

W912UM22C0006, Repair First Team Avenue and 11th Street Intersection

This project upgrades the intersection at First Team Ave, 11th Street and Pacific Victors Avenue (a continuation of 11th Street) at USAG Humphreys. The asphalt roadway on 11th Street was replaced by a concrete pavement roundabout (traffic circle) 55 meters in diameter. The intersection consists of a 3.4-meter-wide truck lane, a 9.1-meter-wide main roadway, and a 30-meter diameter island at the interior of the intersection. The project also includes a 1.8-meter sidewalk for pedestrians with an adjacent green space, and a revetment descending to the retention pond below. The project was awarded to Sungrim E&C Co., Ltd. in August 2022, and the construction completion date is Feb. 5, 2024. The awarded cost was approximately \$2.4 million.

The Pre-final inspection was completed on Jan. 16, 2024, currently, the contractor is working on preparing for the Final inspection.

W912UM22F0058 Design-Build, Install Lighting Around Driving Range, Golf Course

This Design-Build project improves the USAG Humphreys River Bend Golf Course Driving Range by installing six sports floodlighting systems on the existing steel beams for the netting system, including underground power distribution systems, and lighting controls. The project was awarded to Sungrim E&C Co., Ltd. in September 2022. The project is



AFH090 MILCON, Army Family Housing, USAG Humphreys

currently in the construction phase, and the construction completion date is scheduled for Aug. 28, 2024. Sungrim successfully proposed a Value Engineering Change as a solution to differing site conditions discovered early in the project. Instead of increased costs due to the site conditions, the Government realized a savings of approximately three percent of the contract value. The awarded cost was approximately \$1.65 million.

W912UM23F0073 Design-Build, Repair Traffic Intersection at Pacific Victors Avenue and Martin Street

This design-build project consists of a roundabout design and construction, intersection reconfiguration, and associated work on USAG Humphreys. Improvements include demolition of signal light controls and infrastructure, grading, lighting, pavement demolition, pavement construction, pedestrian and bicycle lane rerouting, storm system design and relocation, and utility design and relocation. Design is complete and construction has been suspended due to site conflicts with work expected to resume April 1, 2023. Awarded to Yuil E&C Co., Ltd. in September 2020, the total cost of the project to date is approximately \$2.8 million not including the pending suspension modification.

W912UM21F0126 Design-Build, Repair Tactical Wheeled Vehicle Wash Rack, Bldg. S-8218 and Repair Tracked Vehicle Wash Rack, Bldg. S-8516

This Design-Build (DB) project upgrades the tactical

wheeled vehicle wash rack at S-8218 and tracked vehicle wash rack at S-8516 on USAG Humphreys. Objectives include converting the existing oil water separator to a traditional oil water separator at the tactical wheeled vehicle wash rack located at S-8218 and converting the existing wash rack to potable water, traditional (gravity type) with no filter system at the tracked vehicle wash rack located at S-8516. This \$2.1 million project is a DB contract awarded to Krima Construction, Co., on Sept. 30, 2021, with an estimated completion date of April 2024.

W912UM22F0061 Design-Build, Repair Drainage Canal Along Northern USAG Humphreys, Phase 1

This Design-Build project upgraded the previously existing canal along the northern perimeter of USAG Humphreys. The purpose is to prevent flooding in detention basin number III and the upstream area of the Garrison. The contract was awarded to Kumsung Construction, Co., on Aug. 25, 2022. The total cost of the project is approximately \$3.8 million. The completion date was June 17, 2023.

Design-Build Contract, Replace Water Boiler B-5101

The existing three water boilers at Army Family Housing B-5101 were replaced to better meet the existing heating capacity and increase performance for the occupants of 72 family units in AFH B-5101. This Design-Build contract was awarded to Kumsung Construction, Co., on Sept. 27, 2022, and the total cost is \$1.2 million. The completion date was Dec. 7, 2023.



Repair Tactical Wheeled Vehicle Wash Rack, Bldg. S-8218 and Repair Tracked Vehicle Wash Rack Bldg. S-8516, USAG Humphreys



Repair Drainage Canal Along Northern, USAG Humphreys

W912UM22F0062 Design-Build, Install Restroom Facility, P6950 & P6957

This Design-Build project constructs two public restrooms, separate structures for men and women, with a utility room housing mechanical equipment. It includes incidental civil, architectural, structural, mechanical, electrical, and communications work. The project was awarded to Sungrim E&C Co., Ltd. in September 2022, and the construction completion date was Jan. 26, 2024. The contract amount is approximately \$1.8 million. The final inspection is scheduled for Feb. 6, 2024.

W912UM23F0073, Repair Traffic Intersection, Pacific Victors Avenue & American Street

This Design-Build project upgrades the traffic intersection of Pacific Victors Avenue and American Street at USAG Hum-

phreys. The scope requires replacing the existing intersection with a new roundabout, concrete curb and gutter, etc. The work will also repair and replace storm drainage and electrical lighting, sidewalk, landscape, etc. around the intersection of Pacific Victors Avenue and American Street. The project was awarded to Krima Construction Corp. in August 2023 for approximately \$2.2 million. It is currently in design and construction will begin in April 2024. The completion date is scheduled for Dec. 17, 2024.

W912UM22F0116 Design-Build, Repair Power Supply Distribution System at Beacon Hill Switching Station, S-1451

As part of overall USAG Humphreys electrical improvements, this \$4.5 million Design-Build project upgrades the existing power infrastructure by installing six new Power Management Systems, manholes, underground cables, and all incidental civil works such as excavation, removal, and restoration of asphalt pavement, curbs, sidewalks, sodding, gravel beds, and more. The project also includes tests and a power coordination study to ensure correct protection relay settings. The project was awarded to Sungrim E&C Co., Ltd. in September 2022, but long-lead offshore material procurement has resulted in a construction start date of June 2024. The scheduled contract completion date is Dec. 19, 2024.

W912UM23F0125 Design-Build, Replace Existing PMJ with PMS

As part of USAG Humphreys electrical upgrades, this Design-Build project consists of replacing eight existing pad-mounted junctions (PMJ) and one existing pad-mounted switch (PMS) with eight new PMS. The contract was awarded to Sungrim E&C Co., Ltd on Sept. 28, 2023 and the estimated completion date is April 28, 2025. The total cost of the project is approximately \$6.7 million. Currently, the project is in the design phase and the construction is estimated to begin in June 2024.



Replace Water Boiler B-5101I, USAG Humphreys

Pyeongtaek Resident Office

AV061 CY21 ROKFC-in-Kind, Attack Reconnaissance Battalion Hangar

This \$84 million project is to construct a non-standard, two-story Attack Assault-Cavalry (ACC) Aviation Maintenance hangar with five bays for the service of 24 AH-64 Apache helicopters and three bays for 12 RQ-7 Shadow unmanned aircraft systems (UAS).

The hangar includes space for one headquarters troop and three attack/reconnaissance troops (with Shadow platoons), one maintenance troop, and one forward support troop headquarters. The hangar facility will include admin-

istrative offices, tool storage, parts storage, bench repair, COMSEC vault, training/break room, latrines, and utility room. Additionally, it will have allied shops, special shops, Aviation Life Support Equipment (ALSE) shop to facilitate over-water operations, secure storage, aircraft part supply, tool storage, flight operations area, contractor logistics support, company administration, and supply, and a readiness module.

All storage and shops located on the first floor with administrative and company operation functions located on the second floor.

Utility work includes extending

natural gas, water, sewer, power, and communication services to the building; and re-routing water utilities destroyed by the construction. This facility will be designed to make maximum use of natural climate, ventilation, and lighting, as well as the use of energy-efficient windows and building insulation. The hangar facility will include two, ten-ton overhead bridge cranes and one five-ton overhead.

The construction duration has been extended by 85 calendar days due to initial contract modification requirements. Notice to Proceed (NTP) was Jan. 17, 2022, with a contract completion date scheduled for Feb. 26, 2027.



Rendering of Attack Reconnaissance Battalion Hangar (AV061), USAG Humphreys

AV062 CY21 ROKFC-in-Kind, Aircraft Parking & Taxi Lane

This \$15 million project constructed 57,000 square meters of Portland Cement Concrete (PCC) aircraft parking and taxi-lane for type I aircraft parking. The RoK Ministry of National Defense – Defense Intelligence Agency (MND-DIA) awarded the contract to POSCO Construction & Engineering Co. in July 2020.

This project required the construction of a parallel taxiway extension,



Sheet Piling of Attack Reconnaissance Battalion Hangar (AV061), USAG Humphreys

Taxiway Extension-2, from the existing AV050 apron/ taxiway to connect to existing Taxiway “B”. Taxiway Extension-1, which functions as a taxi lane connecting Taxiway “T” to future Aircraft Parking Apron. The new Taxiway Extension-1 and apron is PCC paved with Asphalt shoulders, which include taxiway edge lighting, tie downs with ground points, pavement markings, storm drainage, waterline, demolition, and site improvements.

The project was turned over to the garrison in January 2024.

OS060 ROKFC-in-Kind, Army Regional Correctional Facility

This project entails the construction of a new correctional facility at USAG Humphreys, serving as a replacement for the existing structure established in 1975. The current contract, awarded on Sept. 22, 2023, represents a re-procurement effort granted to Krima Construction Co. by the RoK Ministry of National Defense – Defense Installation Agency (MND-DIA). This re-procurement was necessitated by the closure of the prior contract, originally awarded to a different contractor, due to bankruptcy on Sept. 30, 2022. The initial project had achieved an advancement of approximately 85 percent completion before its discontinuation. The slated completion date for the new construction is targeted for June 1, 2025, with an estimated total contract value of approximately \$20 million.

The new correctional facility comprises of primary, vehicle control guards, and utility storage buildings surrounded by a 12-foot high-security perimeter fence. The primary correctional building features two controlled areas with specific construction requirements. One area includes 40 individual prisoner cells divided into seven blocks, addressing categories such as gender, pre-/post-trial status, and segregation. The second controlled area encompasses a sally port entrance, prisoner intake and medical exam. It also includes indoor recreation and classroom; master and main control centers; visitation and religious services; and a Dining Facility (DFAC) with a full kitchen.



Rendering of Army Regional Correctional Facility, USAG Humphreys



Army Regional Correctional Facility, USAG Humphreys

Additionally, the facility includes administrative office areas, staff classrooms, and other spaces outside the controlled areas. An electronic security system is integrated to monitor and control door locks, intercoms, Closed Circuit Television (CCTV), and vehicle access control. The end-user for this project is the Army Regional Correctional Facility Korea.

The new contractor is currently conducting an assessment survey of existing installations and construction materials from the previous contract.

OS080 ROKFC-in-Kind, MILVAN/CONNEX Storage Facility

The project involves the construction of an open concrete slab storage

yard at USAG Humphreys, designed to accommodate over 2,000 MILVAN and CONNEX containers. The contract, valued at approximately \$15.9 million, was awarded to Hanshin Engineering and Construction in November 2023 by the RoK Ministry of National Defense – Defense Installation Agency (MND-DIA). The scope of the project includes creating a spacious storage area with a durable concrete slab foundation to facilitate the organized placement of a large number of MILVAN and CONNEX containers.

An eight foot chain link fence encompasses the perimeter of the yard while providing a single two-way traffic entrance and an emergency exit. A pre-fabricated guard booth will be stationed near the main entrance to control vehicle and personnel access. In addition, a fire

water line is provided around the facility perimeter to accommodate fire hydrants. Area lighting is provided and two-camera mounting fixtures to allow for future installation along each pole. The project provides an empty conduit for the future camera system. Site improvement includes earthwork and surcharge. Utility stubs for water, sewer, electrical and communications will be provided for future connection.

As of Jan. 23, 2024, the contractor is in anticipation of receiving approval from the Directorate of Public Works (DPW) for the requested construction permit and site release for the project, as well as for the contractor's field office sites.

The Construction Completion Date (CCD) is scheduled for Dec. 7, 2025.

UEH100A CY21 ROKFC-in-Kind, Unaccompanied Enlisted Personnel Housing, Phase 3 (3 Towers)

The Ministry of National Defense – Defense Installation Agency (MND-DIA) awarded the \$117.2 million project to construct three 302-personnel eight-story Unaccompanied Enlisted Personnel Housing (UEPH) per the current Army Standard to Ssangyong E & C Co., Ltd. in December 2021.

The UEPH will include private suites with individual bedrooms along with a combination of shared kitchens and bathrooms to be shared by a maximum of two people. The facilities will include four elevators per building: one freight elevator and three passenger elevators.

The common areas include an entry lobby along with a Charge of Quarters (CQ) station with a counter, vending areas, ice machines, a janitor's closet, public phones, and toilets. Laundry facilities will be consolidated on each level in the facility along with a provision for a field gear cleaning area on the ground floor. Support areas include circulation spaces (stairs and corridors); mechanical, electrical and communication spaces; exterior boot wash areas and outdoor storage buildings.

Paving, sidewalks, curbs, gutters,

dumpster/pad/trash enclosures, storm drainage, area security lighting and fuel storage tank following IAW USFK policies and regulations will be constructed outside the UEPH. Additionally, one multi-purpose recreation court, four gazebos, one BBQ shelter, three covered bicycle racks and landscaping to include all grass, trees, and vegetation within the project boundaries will be included for the health and morale of the personnel.

Concrete placement for slab on grade was completed in April 2023, and concrete work for walls, columns and slab is currently underway and has been completed up to the 6th floor.



Rendering of UEH100B Unaccompanied Enlisted Personnel Housing, USAG Humphreys



UEH100B Unaccompanied Enlisted Personnel Housing, USAG Humphreys

The Contract Completion Date (CCD) for UEPH 100A is scheduled for Feb. 6, 2025.

UEH100B CY21 ROKFC-in-Kind, Unaccompanied Enlisted Personnel Housing

This \$165.9 million project was awarded to Daewoo E & C, by Republic of Korea, Ministry of National Defense – Defense Installation Agency (MND-DIA) on Nov. 15, 2022. The project is to construct four 302-personnel eight-story Unaccompanied Enlisted Personnel Housing (UEPH) per the current

Army Standard for unaccompanied Enlisted Housing.

The UEPH barracks feature private suites with individual bedrooms, each equipped with closets. Rooms include a combination of shared kitchens and bathrooms to be utilized by a maximum of two people. Each building comprises four elevators, consisting of one freight elevator and three passenger elevators. Support areas within the UEPH include circulation spaces (stairs and corridors), mechanical, electrical, and communication spaces, exterior boot wash areas, and outdoor storage buildings.

Common areas within the UEPH include an entry lobby, a Charge of Quarters (CQ) station with a counter, vending areas, ice machines, a janitor's closet, public phones, and toilets. Laundry facilities are consolidated on each level, with a provision for a field gear cleaning area (mud room) on the ground floor. One of the four towers contains a fire pump room.

Supporting facilities include underground utilities, a utility monitoring and control system (UMCS), paving, sidewalks, curbs, and gutters. The project also includes dumpster and pad/trash enclosures, storm drainage, exterior information systems, fire protection, vending areas, facility information signage, area security lighting, a fuel storage tank, and site improvements. The barracks site design incorporates circulation sidewalks, two multi-purpose recreation courts, two 30-personnel gazebos, one BBQ shelter, six covered bicycle racks, and landscaping featuring grass, trees, and vegetation within the project boundaries.

The Construction Completion Date for this project is scheduled for May 20, 2026.

UEH120B CY20 ROKFC-in-Kind, Unaccompanied Enlisted Personnel Housing, Phase 2 (2 Towers)

The Ministry of National Defense – Defense Installation Agency (MND-DIA) awarded this \$67 million project to Hyundai Engineering Co., Ltd. in June 2020. The project will construct



Rendering of UEH120B Unaccompanied Enlisted Personnel Housing, USAG Humphreys



UEH120B Unaccompanied Enlisted Personnel Housing, USAG Humphreys

two 302-personnel eight-story Unaccompanied Enlisted Personnel Housing (UEPH) towers per the current Army Standard for UEPH in a consolidated area with UE-H120A.

These barracks have an identical layout following the same requirements as UEH120A with a minor difference in the layout of the reinforcement bars.

This UEPH facility was designed to align with the latest Barracks Housing Criteria, achieving a Leadership in Energy and Environmental Design (LEED) Silver Rating and meeting the EPA2005 Requirements in accordance with the awarded army standards for unaccompanied enlisted housing at USAG Hum-

phreys. The UEPH barracks feature private modules, each equipped with individual living and sleeping rooms, including closets. Shared kitchens and bathrooms designed to accommodate two individuals are also part of the facility. In addition, each building incorporates four elevators, with one serving as an emergency medical service elevator and the remaining three as passenger elevators. The site plan includes provisions for two trash enclosures, a bike rack, and well-planned landscaping featuring grass and trees.

The project was turned over to the garrison in October 2023.

CY18/19 ROKFC-in-Kind, VMF & CO OPS Complex of 3rd CAB (VMF130) and Echelon Above BDE EN BN VMF (VMF140)

Two projects, VMF130/140, were awarded under one contract on June 26, 2020, to POSCO E&C, with an initial construction duration of 1,320 calendar days. Through time impact modifications, the construction duration has been extended by 457 calendar days. This \$147 million contract currently has a Contract Completion Date (CCD) of May 8, 2025, with the current progress standing at 49 percent.

The project area of both facilities encompasses approximately 60 acres with VMF130 and VMF140 at 23 acres and 37 acres respectively.

VMF130 includes one 58,200 square foot Large TEMF, one 18,670 square foot admin module, 300 personnel and 450 personnel readiness modules for six company operations with two covered hardstands, an organizational storage facility, five hazmat storages, a 77,110 square yards concrete organizational parking for tracked vehicles, and a privately operated vehicle parking area.

VMF140 is located at the existing detention basin and requires approximately 650,000 cubic meters of engineered backfill and 60,000 square yards

of soil preparation to provide a proper foundation to construct a Vehicle Maintenance Facility. Due to the project site's characteristics, a 10-meter-wide concrete drainage channel, approximately 700 meters long, had to be constructed in the middle of 2022.

The 58,200 square foot Large TEMF will include three organizational storage buildings, three petroleum, oil, lubricants (POL) storage buildings, and one Battalion Headquarters Echelon Above Brigade (EAB) at 20,400 square feet. The project also encompasses 500 personnel and 550 personnel readiness modules for six company operations with one administrative module and two covered hardstands, concrete organizational parking at 120,200 square yards,

and a privately operated vehicle parking area.

SAT010 CY20 ROKFC-in-Kind, PNA20R601, Satellite Communications Facility

This \$32 million project awarded to DaeBo E&C on Dec. 29, 2021 entails the construction of a Satellite Communications Earth Station (SATCOM)/Terminal Control Facility (TCF). The contract duration is 1,034 days with a Contract Completion Date (CCD) of Nov. 16, 2024. As of the end of December 2023, the project has achieved a progress rate of 31 percent.

Key components of the project

include SM Satellite Communications Earth Station (SATCOM)/Terminal Control Facility (TCF) with two antenna pads, including space for mission/operations control, general administration, prescribed load list, weapons storage, conference, training, and secured storage, and a storage shed.

Supporting facilities include redundant power such as auxiliary emergency generators; heating, ventilation, and air conditioning systems; secure telephone system and local area network equipment; fire detection and suppression systems; intrusion detection systems; uninterruptible power supply; utility monitoring control systems; building information systems and antiterrorism measures.

CY14 ROKFC-in-Kind, Air Support Operations and Weather Squadron Compound

This \$21.4 million project was awarded to Yojin Construction Co., by the RoK Ministry of National Defense – Defense Installation Agency (MND-DIA) on Dec. 15, 2021.

This project is to renovate seven existing buildings, site utilities, and site



Rendering of Air Support Operations and Weather Squadron Compound



Air Support Operations and Weather Squadron Compound, USAG Humphreys



Rendering of Vehicle Maintenance Facility, VMF 130/140, USAG Humphreys



Vehicle Maintenance Facility, VMF 130/140, USAG Humphreys



Satellite Communications Facility, USAG Humphreys

work to meet criteria for the relocation of two Air Force Squadrons to a dedicated compound within USAG Humphreys. Upon completion of the renovation, the seven buildings will serve various purposes, including two administrative buildings, a simulator building, a vehicle repair building, and two vehicle storage buildings. The project's scope underscores its significance in enhancing infrastructure to meet the operational needs of the Air Force Squadrons within the USAG Humphreys compound.

The scheduled construction completion date is Sept. 9, 2024.

C Type Contract (W912UM23C0003) FY20 SRM, Repair Three Swimming Pools, Bldg. Nos. S-110 (CAC), S-1949 (Collier Gym), and S-1484 (Outdoor Pool)

This \$7 million contract for three swimming pools was awarded on March 27, 2023. This project is to repair and modify existing pools and supporting facilities as necessary to provide fully functional and code-compliant swimming pools. The project calls for installation and/or modification of equipment both for the pools and the filter rooms. The focus is on controlling water chemistry to minimize chloramine formation within the pool water and mitigating the off gassing of chloramines. These enhancements will maintain water quality and ensure a safe and comfortable environment for pool users.

There are three Construction Completion Dates (CCD): the Community Activity Center (CAC) on June 11, 2024; Collier Gym on May 7, 2025; and the Outdoor Pool on Sept. 6, 2024.

JOC FY21, for SRM, AREA III, Various Locations: IDIQ CONTRACTS-W912UM19D0006

This contract is an indefinite delivery, indefinite quantity, firm fixed price Job Order Contract (JOC) for mainte-



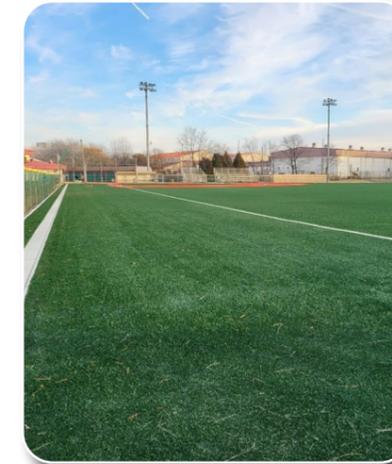
Communication Activity Center, USAG Humphreys



Splish and Splash Outdoor Pool, USAG Humphreys



Repair Zoeckler Field, USAG Humphreys



Repair Soldier's Field, USAG Humphreys



Repair Ditch in Camp Yongin, Area IV, USAG Humphreys



General Building Repair, S-1201, USAG Humphreys

nance, repair, renovation, and minor construction projects at various locations of U.S. Army installation in Area III & IV. The contract operates through the issuance of task orders to address a broad spectrum of individual construction-type projects.

- Far East District project was a \$1.3 million Task Order (TO) No. W912UM22F0045, FEWR No. VS-210061, Repair Zoeckler Field S-12010, USAG Humphreys. This project was completed on Sept. 1, 2023.

- Far East District project was a \$3.3 million Task Order (TO) No. W912UM22F0053, FEWR No. VS-210006, Repair Soldier's Field S1950,1951,1952, USAG Humphreys. This project was completed on Aug. 24, 2023.

- Far East District project was a \$85,000 Task Order (TO) No. W912UM22F0081, FEWR No. VA-300000263395 Repair Ditch in Camp Yongin, USAG Humphreys. This project was completed on Sept. 1, 2023.

- Far East District project Task Order (TO) No. W912UM21F0079, FEWR No. VA-40152, General Building Repair S-1201: This encompassed such work as architecture, civil, mechanical, and electric to modernize and renovate a building that was previously used as a barracks. It was awarded to Sungrim E&C on Sept. 8, 2021, in the amount of about \$2 million. The project was completed on Sept. 13, 2023.

JOC FY22-25, for SRM, AREA III/IV, Various Locations:

CONTRACT No. W912UM22D0001

This contract is an Indefinite Delivery Indefinite Quantity (IDIQ), firm-fixed-price Job Order Contract (JOC) for maintenance, repair, renovation, and minor construction projects at various locations of U.S. Army installation in Area III & IV in fiscal years 2022 to 2025. This contract involves a wide variety of individual construction-type projects by the issuance of task orders and was awarded to Sungrim E & C Co., Ltd. on Sept. 29, 2022.

- The first task order awarded was Asbestos Water Line Phase 2, slated to be completed on or about May 2024.

- C4I080 SSA Fence & Building Removal was awarded in August 2023 and completed in December 2023.

- Upgrade of the existing heating, ventilation, air conditioning (HVAC) system for the Administrative Building (S-1280). This Contract Completion Date (CCD) for the HVAC upgrade is August 2024.

- Renovation of P-12412 was awarded in June 2023 and completed in September 2023.

- Repair Fire Alarm System and its Related Building Transceiver for Four Buildings: The purpose of this project is to upgrade fire alarms with building transceivers within the existing buildings. It was awarded on June 28, 2023, and is currently in progress.

- Repair Fire Alarm & MNS and HVAC System for Building P-550: The purpose of this project is to upgrade existing fire alarm system and replace existing HVAC system to Variable Refrigerant Flow (VRF) system. It was awarded on July 18, 2023 and is currently in progress.

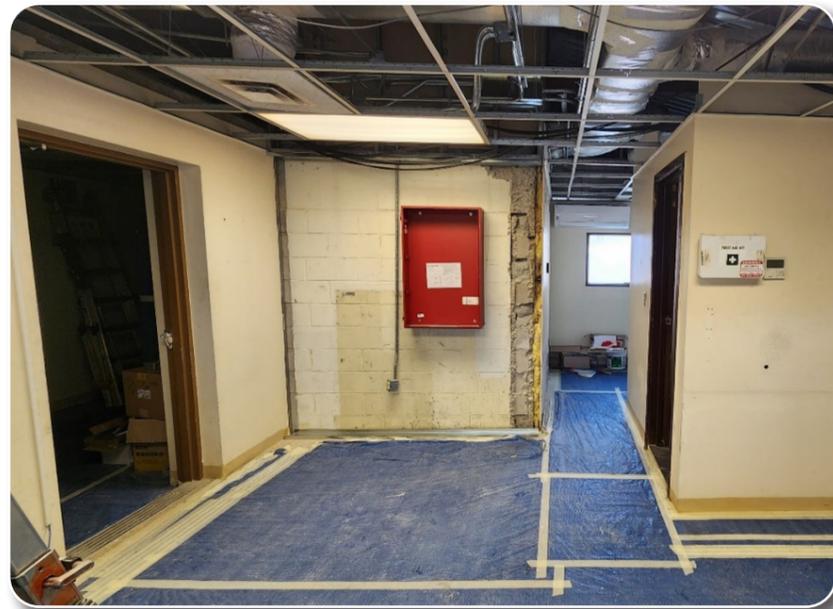
- Repaint of Airfield Marking on Various Locations, USAG Humphreys, Korea: This \$1.6 million project was awarded on Dec. 18, 2024. Construction Completion Date (CCD) is on or about Dec. 18, 2024.



Renovation of P-12412, USAG Humphreys



Repair Fire Alarm, MNS, and HVAC System, USAG Humphreys



Repair Fire Alarm System and Transceivers within four (4) Buildings, USAG Humphreys

Security Operations Resident Office

C4I030 YRP, Phase III Facility

Phase III is a two-story, 82,000-square-foot facility to accommodate the relocation of Special U.S. Liaison Advisor Korea (SUSLAK) Headquarters from Yongsan to USAG Humphreys. It is a SCIF project and had to be constructed in accordance with Intelligence Community Directive 705 standards.

The Phase III Facility is a Design-Bid-Build project funded by the Yongsan Relocation Program (YRP) where FED completed the 100 percent design. It was the last major construction effort to be completed under YRP at the garrison.

The project took over ten years to complete with the original contract awarded to ECC International (ECCI) in October 2013. Due to issues with the contract, the project was descope at about 70 percent completed. A new contract was awarded to Gilbane Federal in April 2017, and the project was completed in November 2023.



C4I030, Phase III Facility



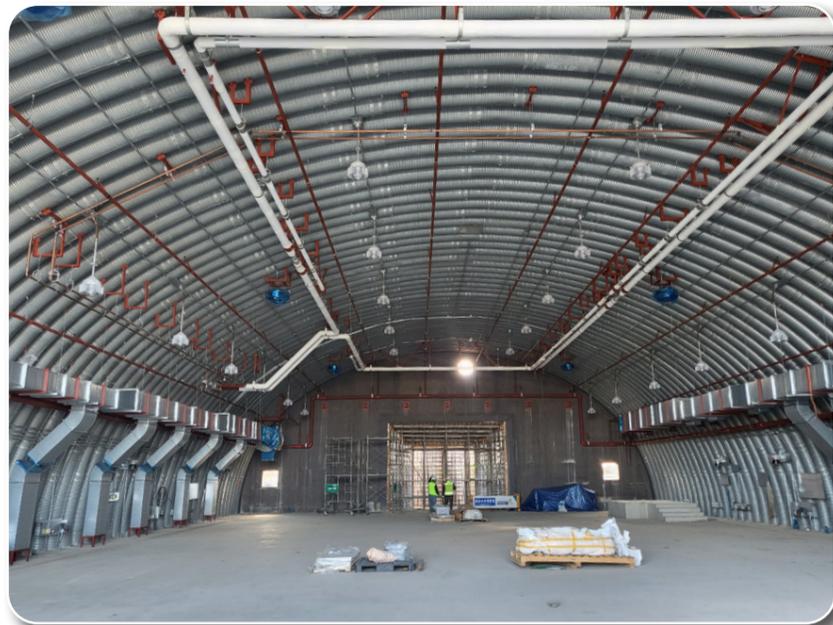
Acceptance Release Letter Ceremony, Phase III, USAG Humphreys

Kunsan Resident Office Projects

CY18 ROKFC-in-Kind, Construct 3rd Generation Hardened Aircraft Shelters, Phase 4-6

This ROKFC-in-Kind project was awarded in 2019 for \$102.3 million to construct eighteen 3rd Generation Hardened Aircraft Shelters (HAS) that will replace outdated first-generation aircraft shelters. This is similar in scope and complexity to the Phase 1, 2, 3 project that constructed 20 3rd Generation HAS completed in 2020.

While Phase 1, 2, 3 was constructed on undeveloped land, Phase 4, 5, 6 will be constructed on the footprint of existing facilities requiring close coordination with local airfield management and Wing Safety. Contractors demolished 13 existing



Hardened Aircraft Shelters (HAS), Phase 4-6, Kunsan Air Base



hardened aircraft shelters, 11 in South Loop and two in North Loop, for the construction of new structures.

During 2023, the erection of the arch liner panels was completed. The contractor placed concrete for arch walls and mechanical and electrical rooms for more than 15 HASs. They also started the installation of air supply and return ducts, sprinkler pipes and plumbing pipes, electrical conduits and lighting fixtures in the shelters.

Two new Trim Pads were constructed on top of the existing HASs #2400 and 2402 to replace the existing trim pads and turned over to the Government in July 2023. Two existing trim pads should be demolished to construct a new access taxiway for new HASs.

Construction has been delayed approximately a year due to an Aqueous Film Forming Foam (AFFF) design modification as the 2020 National Defense Authorization Act (NDAA) changed aircraft hangar fire suppression from AFFF type to automatic fire sprinkler systems. Currently, the new 18-each 3rd-generation Hardened Aircraft Shelters are slated to turn over in December 2025.

CY21 ROKFC-in-Kind, Dining Facility

This \$21.5 million ROKFC-in-Kind project was awarded to the Daeho Construction Co., Ltd. in December 2021 with a target completion date of September 2024. The new 3,599-square-meter Dining Facility (DFAC) will include spaces for the chiller, dining, dishwashing, kitchen, serving, and storage areas along with refrigerator and admin spaces. Supporting facilities

consist of HVAC, fire suppression and alarm, intrusion detection, utility management and control, and mass notification systems.

The construction is phased into three phases, phase one to demolish the existing dormitory, phase two to construct the new DFAC and phase three to demolish the existing DFAC. Work for phase one completed in 2022, and the building foundation, floor slab, and structure were completed in 2023. The interior finish work and mechanical



Dining Facility interior, Kunsan Air Base



Dining Facility exterior, Kunsan Air Base

and electrical system will be completed by the middle of 2024. The target facility turn-over date of the new DFAC is October 2024. Furniture, furnishings and some kitchen equipment will be installed by the government in two months. The existing dining facility will be demolished by the contract after operations being in the new dining facility.

CY19 ROKFC-in-Kind, Upgrade Aircraft Flow-Through Fuel System (Wolf Pack)

This \$16.8 million project was awarded to Samil Enterprise Co. in February 2020. The project consists of two 5,000-barrel “cut and cover” fuel storage tanks, three EA 600 GPM fuel pumps in each pump house on top of each tank, and a filter/control building. The new system will be connected to the

existing Type IV hydrant fuel system, which is located at the Wolf Pack Flow-Through. This will allow hot-pit refueling by means of underground fuel pipes, while the aircrafts are parked in covered “flow-through shelters.”

All construction work was completed in 2022. A government team witnessed system operations for perfor-

mance testing. This included Eighth Fighter Wing POL Management, Defense Logistics Agency (DLA), USACE POL Mandatory Center of Expertise (POL-MCX), and the Air Force AFIM-SC Det 2 POL experts. The facility was turned over in March 2023 after commissioning and performance testing.



Explosive Ordnance Disposal (EOD) Facility, Kunsan Air Base



CY21 ROKFC-in-Kind, Explosive Ordnance Disposal (EOD) Facility

This \$9.9 million ROKFC-in-Kind project was awarded to Yojin Construction Co., Ltd. in December 2021 with a completion date of January 2024. The project is to construct a 1,413-square-meter of new Explosive Ordnance Disposal (EOD) facility with 176 square meters of a covered parking structure and two electrical operation slide gates. It will include space for vehicle maintenance, a vehicle storage bay, a weapons vault, offices, a training room, male and female bunks, storage, and an Improvised Explosive Device (IED) Room. Supporting facilities include HVAC, fire suppression and alarm, intrusion detection, utility management and control, and mass notification systems.

In 2023, the contractor completed the building structure and interior including mechanical and electrical systems. The facility will be turned over by the end of September 2024. After occupancy of the new facility, two existing buildings will be demolished by November 2024.



Airfield Damage Repair Warehouse, Gwangju Air Base

CY21 ROKFC-in-Kind, Airfield Damage Repair (ADR) Warehouse, Gwangju Air Base

This \$8 million ROKFC-in-Kind project will construct a 27,996 square foot Airfield Damage Repair (ADR) warehouse including the spaces for a storage area, admin area, and fire pump room. Awarded to Seohai Construction Co. in December 2021, the facility consists of a pile foundation, reinforced concrete floor slabs, Pre-Engineer Building (PEB) structure, Standing Seam Roofing (SSMR) system, and metal siding with roll-up doors. The supporting facility consists of an HVAC, fire sprinkler and alarm, and communication systems. It will also have an underground water storage tank, a concrete pad for the ISO (International Standards Organization) containers, and pavement.

In 2023, the contractor completed

the building structure and interior finishes including mechanical and electrical systems. Concrete placement for the ISO pad was completed in 2023. The contract completion date was changed to April 2024 due to delays in the delivery of the fire pump.

CY22 ROKFC-in-Kind, Upgrade Electrical Distribution System

This \$22 million ROKFC project was awarded in December 2022 as a companion project with the Construct Backup Generator Plants project. The project will upgrade and recapitalize existing overhead electrical lines with higher-capacity, solid-state underground electrical lines. The scope of work includes the construction of new underground electrical duct banks,

electrical, communication and SCADA manholes, installation of new transformers, switch gears, junction pedestals, and installation of Communications and SCADA systems. A new underground electrical distribution system will be connected to the existing system.

The construction is broken into six phases with an overall target completion date of May 2025.

CY22 ROKFC-in-Kind, Construct Backup Generator Plants

This \$20.9 million ROKFC project was awarded in December 2022 as a companion project with the Upgrade Electrical Distribution System project. It will replace the existing three standby generator systems.

The scope of work includes the removal of existing 750-KW MEP-12 utility generators, transformers, switch gears, and fuel storage tanks, installation of new 8 EA-1.5MW commercial generators, construction of switch gear shelters with controls, and installation of new power supply circuits including transformers and load banks. Supporting facilities including fuel storage tanks and revetment around the sites are included.

In 2023, the contractor submitted a material submittal for all required electrical equipment including diesel generator, switch gears, transformers, load banks, and SCADA system.

FY23 OMAF, Repair Pavement on Runway and Overruns under FY20-23 AF JOC for SRM Projects

This \$10.5 million project was awarded under FY20-23 Air Force Job Order Contract (JOC) for SRM (Sustainability, Restoration, and Modernization) Projects on Feb. 3, 2023 to repair pavement of the runway and overruns. The scope of work includes the replacement of 1,543 damaged slabs, repair spalls, and repair BAK-12s/14s by replacing new BAK-12s. Pavement grooving, striping and joint sealants are also included in the scope of work.

To complete the project, the 8th Fighter Wing had to relocate all flight

operations during construction. The contractor started demolition of the slabs on April 1, 2023. The contractor completed all work and turned over the facility to the government within the contract completion date of Aug. 25, 2023. At peak placement, the contractor placed concrete for more than 50 slabs per day.

During construction, additional work was added to the scope to include replacement of an additional 34 slabs, repair of weakened joint surfaces along the existing construction and contraction joints, additional grooving on the existing slabs, and additional striping on the existing slabs.

FED joined the 8th Fighter Wing to cut the ribbon on the project on Aug. 30, 2023, with flight operations resuming later that same day.



Repair Pavement on Runway, Kunsan Air Base



Upgrade Electrical Distribution System, Kunsan Air Base



FY23-25 Air Force Job Order Contract for SRM Projects

This year, the following new JOC project was awarded for a total contract amount of \$2.1 million.

- W912UM24F0012, Replace Aboveground Fuel Storage Tanks at Gwangju Air Base. (Contract Amount: \$2,047,443.22)

FY23-25 Air Force Job Order Contract for Paving Projects

This year, the following new JOC project was awarded for a total contract amount of \$214,000.

- W912UM24F0002, Construct Trailer Pad at RMSA II, Gwangju Air Base. (Contract Amount: \$213,658.64)

Southern Resident Office Projects

FY17 MILCON, Army Family Housing Tower 4, Camp Walker

This \$54.9 million project is the last of the four planned Army Family Housing (AFH) Towers to be constructed at Camp Walker and is a site-adapted design which includes the same or similar amenities to the previous three towers.

This project constructed a 15-story Family housing apartment tower with 90 apartments for Company Grade Officers (CGO) and Senior Non-Commissioned Officers (SNCO) and

their families. Each floor accommodates six apartments with the building holding four five-bedroom units, 26 four-bedroom units and 60 three-bedroom units. The project created living areas, kitchen, bathrooms, bedrooms, storage, and a private entrance for each unit. Ancillary facilities included tot lots, multi-age playgrounds, picnic pavilions, gazebos, an electrical substation, natural gas governor building, and a parking garage connected to the tower that accommodates 135 vehicles.

Tower 4 was turned over to U.S. Army Garrison-Daegu on November 3, 2023, after four years and one month of con-



Army Family Housing Tower 4, Camp Walker

struction. The first resident is scheduled to occupy the building in the first week of February 2024 with a ribbon cutting ceremony later that same month.

CY19 ROKFC-in-Kind, Repair/Replace Sewer Piping System, Camp Walker

This \$3.6 million project will upgrade the Camp Walker sewer system by replacing undersized and under-capacity sewer piping throughout the installation. The host-nation-funded project includes new sewage lift stations, sewer manholes, asphalt pavement, and sodding, while also demolishing old lines and septic tanks. The project also includes a new connection point to the city of Daegu's wastewater treatment plant. Construction started in May 2020 and was successfully turned over to USAG Daegu on Oct. 17, 2023.

CY05 LPP-in-Kind, H-805 Relocation, Camp Walker and Camp Carroll

One of the few Land Partnership Plan (LPP)-in-Kind projects in Area IV, the \$51.7 million H-805 Relocation project consists of five project sites, three in Camp Walker and two in Camp Carroll. It consisted of a land swap with the City of Daegu and funding for multiple facilities displaced by the swap. In addition, the funding for a new access control point.

Site one and site two are both at Camp Walker. The first is the residual of what will remain as U.S. property at H-805. This parcel consists of a limited use helipad, helicopter parking pad, and a Vehicle Maintenance Facility. The second site, Parcel 2, is a new property given by the RoK Government as

a replacement for H-805. Located along the east side of the Camp Walker, behind the AAFES/PX building, this area is being used to store 40-foot cargo containers and industrial heavy equipment.

In Camp Carroll, a new H-832 helipad, parking pads for CH-47 helicopters, POV parking, and a two-story Flight Operations Center were built. These being utilized by the Airfield Division who were relocated from Camp Walker. In addition, a new land farm was relocated in Camp Carroll.

In December 2020, the remaining portion of the Camp Walker Vehicle Maintenance Facility parking and new perimeter wall were completed. Finally, the last phase of the project, a new \$19.2 million Access Control Point (ACP) for Camp Walker began in 2020. The contractor began this final portion of the H-805 Relocation in September 2020 and completed construction on April 20, 2023. Currently, USAG Daegu is awaiting the completion of the access road by the city of Daegu before opening the ACP.

CY18 ROKFC-in-Kind, Upgrade Electrical System, Phase II, Camp Carroll

This \$65 million project on Camp Carroll is an upgrade of the electrical distribution system from outdated 5.7 KV to 22.9 KV. It includes underground primary and secondary electrical lines, ducts, manholes, handholes, pad-mounted transformers, pad-mounted switchgear, and other associated hardware. It also encompasses testing and connecting new 22.9 KV feeders to a new switching station.

The new power distribution system will be loop-connected which can minimize power outage and can be remotely

monitored and controlled through the Supervisory Control and Data Acquisition (SCADA) system. The scope of work also includes converting the overhead Communication and CATV lines to underground. The project was awarded in May 2020 and is scheduled to be completed in April 2025.

Current progress is at 47 percent completion. The current work involves the continuation of placing concrete for duck banks at various locations in Camp Carroll.

FY21 ROKFC Cash, Install Commercial Power, Carroll FOS

This \$14.5 million project on Carroll FOS is to provide proper access roads, concrete pads for all systems and equipment, communications, and permanent power infrastructure to better sustain the FOS site. The project was awarded in October 2021 and is scheduled to be completed in October 2026. The current project schedule is 24 percent and includes the installation of manholes and the continuation of excavation for the duck bank lines.

CY21 ROKFC-in-Kind, Vehicle Maintenance Facility (VMF), Camp Carroll

The RoK Ministry of Defense – Defense Installations Agency (MND-DIA) awarded a \$44 million project for a vehicle maintenance facility at Camp Carroll on Dec. 29, 2021.

Work includes demolishing the existing building #825, associated underground utility lines and other supporting facilities. Contractors will construct a new two-story Vehicle Maintenance Facility with upgraded space for vehicle maintenance and operations.

The construction began in April 2022, and the anticipated completion is Jan. 3, 2025.

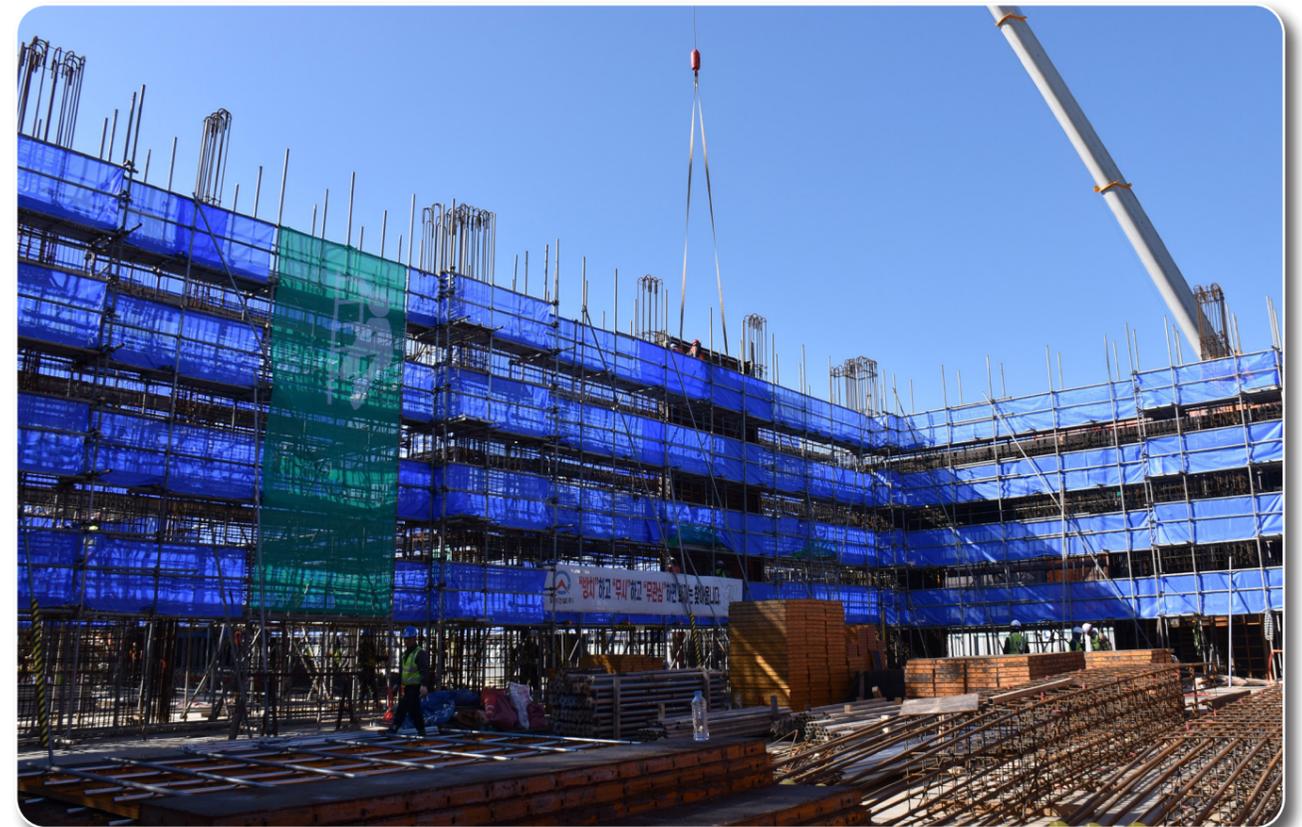
The current progress is at 17 percent. Various structural works are underway, including the installation of the floor slab and utility lines and conduits under the concrete slab. A pile with shear key retaining wall foundation is also being prepared for concrete placement.

CY21 ROKFC-in-Kind, Replace Bldg 452, Daegu Air Base

This \$1.1 million project replaces the existing building and concrete structures with new electrical systems, mechanical and plumbing systems, structural and architectural components along with ceiling, wall, floor, roof, and exterior finishes. Supporting facilities include sidewalks, curbs and gutters, storm drainage, site improvements, and bicycle racks. Full fire protection consists of fire alarm/suppression. The project was awarded on Dec. 15, 2021, and successfully turned over to USAG Daegu 14 days ahead of schedule on Aug. 1, 2023.



Upgrade Electrical System, Phase II, Camp Carroll



Vehicle Maintenance Facility, Camp Carroll

CY21 ROKFC-in-Kind, Airfield Damage Repair Warehouse, Gimhae Air Base

The RoK Ministry of Defense – Defense Installations Agency (MND-DIA) awarded an \$11 million project to construct an Airfield Damage Repair (ADR) Warehouse to Yojin Construction Company. The facility includes a concrete slab and foundation, a standing seam metal roof system, four roll-up doors to house multiple ADR vehicles, a concrete pad for ISO containers, and other supporting facilities. The new warehouse also incorporates office space, latrines, showers, HVAC, and communication systems.

The Notice to Proceed was provided on December 29, 2022, with a contract completion date of July 24, 2024.

Current progress is at 74 percent. Various interior works are currently in progress in the metal building, including dry-wall and ceiling insulation, installation of a coiling door, HVAC duct and piping, and electrical wiring. Additionally, exterior civil work is ongoing for storm drainage installation.

CY22 ROKFC-in-Kind, Maritime Operations Center, Busan

Officials broke ground on Jan. 18, 2023, for the \$28 million Busan Maritime Operations Center which will support the Commander Naval Forces Korea’s U.S. military personnel and civilian staff. The RoK Ministry of Defense – Defense Installations Agency (MND-DIA) awarded the project to Daeho Engineering and Construction Company with Heerim Architects and Planners serving as the MND-DIA construction

management partnering firm in providing quality assurance oversight.

The approximately 33,000-square-foot two-story facility will provide operational and administrative spaces along with gear storage and a fitness center.

The Notice to Proceed was provided on August 17, 2022, with a contract completion date of Feb. 1, 2025.

Current progress is at 12 percent. All production piles for the building foundation have been installed with contractors currently installing form and rebar for pile caps.

CY21 ROKFC-in-Kind, Relocate Communications Center, Camp Mujuk

This \$4.1 million project replaces the original communication center with a newly constructed facility to maximize the network capabilities needed at Camp Mujuk. Awarded by the RoK Ministry of Defense – Defense Installation Agency (MND-DIA), work includes the installation of new communication duct work, new conduits, manholes, and communication lines to the new building.

The Notice to Proceed was given on Jan. 5, 2022, to the contractor.

Current progress is at 90 percent with various wiring work underway. Communications “switch-over” from an existing commenter to the new Communications Center is scheduled for April 2024.

CY21 ROKFC-in-Kind, Replace Switching Station and Electrical Distribution System, Camp Mujuk

Awarded by the RoK Ministry of Defense – Defense Installation Agency (MND-DIA), this \$5.4 million project replaces the original electrical switching station with a new version along with upgrading all electrical distribution lines on Camp Mujuk. With an anticipated completion of June 26, 2024, the project includes the installation of new electrical ductwork, conduits, manholes, asphalt paving, and electrical distribution lines to all buildings on the installation.

Current progress is at 67 percent. A time extension request from the contractor due to manufacturing delays beyond the contractor’s control is under review.

CY22 ROKFC-in-Kind, Expeditionary Dining Facility, Camp Mujuk

This project was awarded by the RoK Ministry of Defense – Defense Installations Agency (MND-DIA) for the amount of \$12.2 million. The project creates a single-story reinforced concrete expeditionary dining facility (DFAC) with seating for 420 patrons, along with an additional 84 outdoor seats and an exterior patio. The new facility will have a reinforced concrete slab and walls, structural steel framing, and a standing seam metal roof. The total area of the DFAC will be 20,585 square feet (1,912 square meters).

The Notice to Proceed was given on Dec. 28, 2022, to the contractor with the Contract Completion Date (CCD) of Nov. 15, 2024.

The new DFAC includes vinyl composition tile/epoxy coated exposed slab, painted exposed concrete walls, and suspended acoustical tile/painted wallboard ceilings. It includes a backup generator with an automatic transfer switch and a waste pulper for processing food waste before it enters the sanitary sewer system. The mechanical systems will include plumbing, fire protection systems, and heating, ventilation, and air conditioning (HVAC). Paving and site improvements will be made, including directional signage, concrete sidewalks, curbs and gutters, and paved and lighted parking.

Current progress is at 14 percent as contractors prepare for structural steel column installation. The floor slab and walls have been placed in December 2023 and January 2024, respectively.

NAFUM221C0003 Army Lodging Facility Replacement, Camp Walker

This \$25.6 million project will construct a seven-floor, 79-room Army Lodging facility on Camp Walker. Upon completion, the facility will replace the existing lodge on post.

The new lodge will consist of 47 family suites with a separate bedroom and 32 extended-stay guest rooms. It will have a covered entry walk, vestibule, reception and lobby, pantry, breakfast area with adjacent food preparation room, and



Airfield Damage Repair Warehouse, Gimhae Air Base



Expeditionary Dining Facility, Camp Mujuk

an Army Recreation Machine Program (ARMP) room. The project includes storage areas for guests, general and bulk. In addition, the new building will have administrative space consisting of a manager's office, three workstations, a luggage room, cash storage, staff break/training room, staff locker rooms and restrooms, housekeeping areas, receiving room, receiving office, and a maintenance office. Additional features include a mechanical room, electrical room, telecommunications rooms, laundry/vending rooms, guest elevators, and public restrooms.

The construction started on May 6, 2021, and the anticipated completion is on March 29, 2024.

Currently at 93 percent complete, various ongoing interior work includes mechanical and electrical works.

W912UM22C0012 Connect Sewer Lines to ROKAF System, Gimhae Air Base

This \$2.8 million project awarded on Sept. 30, 2022, establishes sewer connections from Gimhae Air Base facilities for existing and planned future flows to the ROK Air Force sewer main lines and lift stations. Anticipated to be complete on Dec. 8, 2024, work includes installing new sewer manholes, lift stations, gravity sewer, service connections, cleanouts, and force main for the sewer system. The contingency hospital site will be graded and filled with gravel to provide an aggregate

working surface as part of this project along with grading and seeding the MMS 607 Area.

The construction started in April 2023, and anticipated completion is Dec. 8, 2024.

Current progress is at 57 percent with all work in the Contingency Hospital area completed by December 2023. Ongoing work involves excavation and concrete encasement work for the 607th MMS area.

W912UM22C0011 OMAF, Repair Transient Barracks, Daegu Air Base

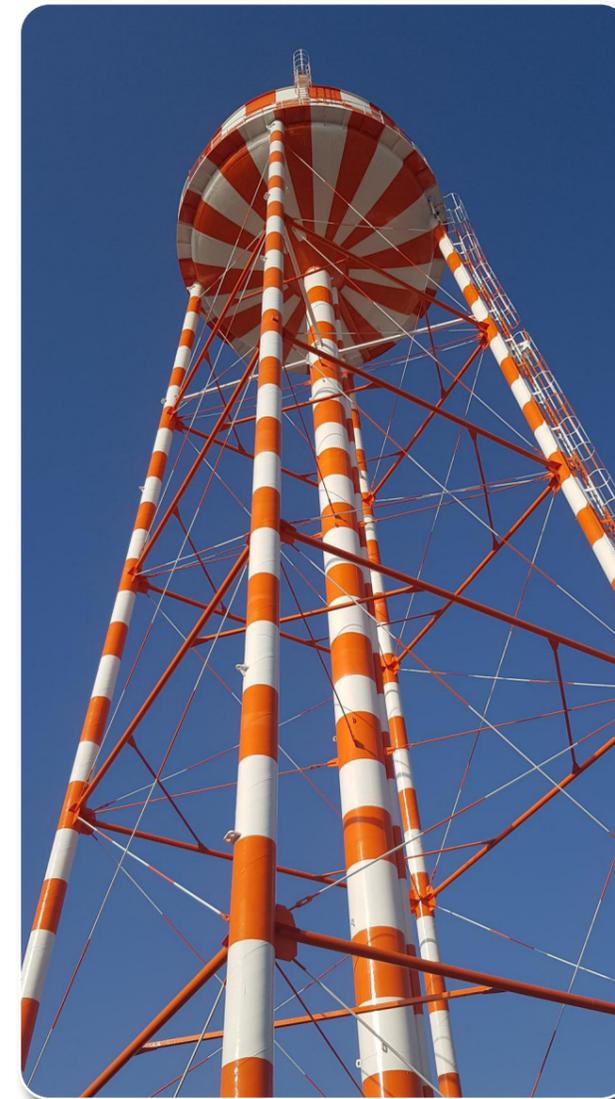
The \$10.2 million project repairs and maintains buildings 3427, 3428, 502, and 503 on Daegu Air Base to provide updated spaces to servicemembers utilizing the barracks. The scope of the project includes the removal of asbestos, repair work of HVAC, plumbing, interior electrical, roof, structural elements, interior/exterior insulation, fire alarm system, cable TV system, telephone system, damaged toilets, wall, ceiling, and floor finishes during construction, including final connections and testing. The contract was awarded on Sept. 30, 2022, for buildings 3427 and 3428. Subsequently, buildings 502 and 503 were awarded as a contract option in March 2023. Various interior work is ongoing in all four buildings and the current construction progress is at 29 percent completion. Anticipated completion is November 2024.



Army Lodge, Camp Walker

FY18 JOC, Area III & IV Job Order Contracts: W912UM19D0006 Repair Elevated Water Tanks, Area IV, Daegu

The \$3.4 million Job Order Contract (JOC) project repairs nine water tanks: four at Camp Walker, three at Camp Carroll, one at Busan Naval Base and one at Camp Henry. This consists of exterior repainting, replacing the outside ladder and cage, cathodic protection, and other accessories. The project started in March 2021, and, with various modifications, the new contract completion date is Aug. 5, 2024. Six of the nine water tanks have been transferred to USAG Daegu between October and December 2023. Three remaining water tanks are being worked on. The current project schedule is 97 percent complete.



Water Tank, Camp Carroll

W912UM20C0011 OMA, Renovation of Building 1685, Camp Henry

On Sept. 24, 2020, this project was awarded for the complete renovation and upgrade of the two-story existing building 1685 at Camp Henry. The facility serves as the headquarters building for the 403rd Army Field Support Battalion-Korea. The scope of work included the upgrade and replacement of architectural, electrical, mechanical, fire protection, telecommunication, and exterior underground utility systems. The construction cost is approximately \$5 million, covering all the necessary modifications. The project was successfully turned over to USAG Daegu on Nov. 16, 2023.



Building 1685, Camp Henry



Water Tank, Camp Carroll

Engineering Division

Cost Engineering Branch

In FY23, the Cost Engineering Branch completed 18 Independent Government Estimates (IGEs) for military construction projects including:

- Military Construction Army (MCA)
- Military Construction Air Force (MCAF)
- Sustainment, Restoration and Modernization (SRM)
- Design-Build Indefinite Delivery Indefinite Quantity (IDIQ)
- Republic of Korea Funded Construction (ROKFC)

These peninsula-wide projects total more than \$80 million in estimated construction costs (ECC). In addition to new projects, the branch completed 43 IGEs for Job Order Contract (JOC) Task Orders and Basic Change Documents (BCDs) for contract modifications as well as reviewed 115 Current Working Estimates (CWEs) prepared by Architecture and Engineering (A-E) firms.

CEB also fully developed CWEs for the following 16 in-house design projects with a combined programmed amount (PA) of over \$603 million:

1. 90% and 100% CWE for INFRA120, Communications Center B-Feeder Line, PA \$3.3 million, USAG Humphreys
2. 30%, 60%, and 90% CWE for AV090, PA \$7.1 million, USAG Humphreys
3. 60% CWE for AV071, PA \$180 million, USAG Humphreys
4. 15% CWE for Design-Build (DB), Repair High School Football/Soccer Field, PA \$2.8 million, Osan Air Base
5. 60%, 90%, and 100% CWE for Replace Ordnance Storage Magazines, PA \$150 million, Camp Mujuk
6. 15% and 30% CWE for Repair Dormitory B1418, PA \$10.6 million, Kunsan Air Base
7. 15% CWE for DB, Replace Existing PMJ with PMS, PA \$6.7 million, USAG Humphreys
8. 15% CWE for DB, Repair Traffic Intersection, Pacific Victors & American Ave (Roundabout Only), PA \$4.7 million, USAG Humphreys
9. 15% CWE for Logistics Support Area (LSA) Facility, PA \$2.7 million, Camp Carroll
10. 15% CWE for Tactical Equipment Maintenance Facility (TEMF), PA \$23 million, Camp Henry
11. 15% CWE for DB, Replace Water Boiler B-5102 & 5103, PA \$3.4 million, USAG Humphreys
12. 30% CWE for APS4 Humidity Controlled Warehouse, PA \$189 million, Camp Carroll
13. 15% CWE for Unit Supply Support Activity (HBCT), PA \$6.8 million, USAG Humphreys
14. 15% CWE for DB, FED Chillers Replacement at Building P12600, PA \$4.2 million, USAG Humphreys
15. 30% CWE for Embedded Behavioral Health Clinic (MED060), PA \$9 million, USAG Humphreys
16. 15% CWE for DB, AFH Replacement of Elevators in Buildings P5171 & P510, PA \$0.5 million, USAG Humphreys

CEB completed 61 IGEs for the A-E design IDIQ contracts totaling \$43 million dollars to assist in awarding A-E task orders. For these, the branch was involved in all the meetings and site visits with the A-E contractors. They also assisted with negotiations.

CEB has continued to support the Construction Division by preparing IGEs for construction modifications for MILCON and SRM projects along with assisting with negotiations as requested. The branch completed Cost Validations for 38 ROKFC-in-Kind projects with a combined total of \$37.9 million.

This workload is expected to continue and possibly increase in future years.

Design Branch

For all projects that are designed in-house, the Design Branch (EDD) has a full capability of design service to provide reliable and quality products and services. In support of U.S. Forces Korea, it is EDD's mission to develop and deliver project designs for the purpose of construction, Operations and Maintenance (O&M), Military Construction (MILCON), Host Nation Funded and other DoD projects. The highly qualified design and support personnel provide all phases of design deliverables that result in cost-effective, sustainable, dependable and innovative design solutions.

EDD's team of 49 technical and support personnel with highly technical credentials is organized with the following sections of expertise: architectural, civil/structural, mechanical and fire protection, electrical, and specifications. The branch executed efficient and consistent business processes to deliver quality projects and services to our stakeholders that are cost-effective and on time. Throughout, they continued to maintain good relationships with key customers including support to the Directorate of Public Works (DPW), Civil Engineer Squadron (CES), Morale, Welfare, and Recreation (MWR), Department of Defense Education Activity (DoDEA), and other DoD organizations.

In 2023, EDD's projects included:

- CY27 General Support Aviation Battalion Hangar (AV071, \$161 million) at USAG Humphreys
- CY25 Airfield Services Storage Warehouse (AV090, ECC \$7 million) at USAG Humphreys
- FY23 Far East District (FED) Chillers replacement BLDG 12600 at USAG Humphreys (ECC \$4.2 million)
- FY24 Renovation of Dorm B1418 at Kunsan Air Base
- FY23 DLA Repair POL tank 2662 at Suwon Air Base
- CY28 Humidity Controlled Warehouse at BSC (ECC \$38.9 million)

Additional highlights include:

- CY24 Replace Ordnance Storage Magazines at Pohang AB (ECC \$149.5 million)
- CY25 Unaccompanied Enlisted Personnel Housing (UEH 095, ECC \$47 million)
- CY25 Embedded Behavioral Health Clinic (ECC \$10 million) at USAG Humphreys,
- CY26 Humidity Controlled Warehouse (ECC \$169 million) at Camp Carroll
- CY25 Tactical Equipment Maintenance Facility (TEMF) at Camp Carroll (ECC \$65 million)

In addition to major design projects, EDD completed Project Orders, including an O&M manual project and a Structural Assessment of Barracks and Army Family Housing in Camp Humphreys. EDD's engagement in Project Orders emphasizes the organization's dedication to delivering comprehensive solutions. By addressing both construction and documentation requirements, EDD ensures that its projects contribute not only to satisfying stakeholder objectives but also to the sustained functionality and success of the constructed facilities.

Furthermore, the EDD Specifications Section completed seven Design Build (DB) and eight Design Bid Build (DBB) solicitation packages, two Job Order Contract packages (FY23-26 Paving Job Order Contract (JOC), Various Locations & FY23-26 SRM JOC, Air Force), 2 DB MATOC (\$45 million & \$400 million), updated FY24 FED Guide Specifications, updated KS-US Reference Comparison List and performed specifications reviews for over 116 design projects in 2023.

In 2023, EDD continued to hone its focus on providing project planning support and developing DD Form 1391 programming documents. The EDD Special Projects section initiated FED's first Master Planning project. This effort updated the Area Development Plan for the Mission Operation District at Osan Air Base. The DB team also prepared two DB Criteria Packages for the Army Family Housing in USAG Humphreys and led engineers in the post-award phases of three DB projects to ensure high quality in the designs developed by the contractors.

EDD advertised its planning capability during a Planning Conference held on Nov. 13, 2023. During this day-long event, the EDD Special Projects section team presented its capabilities and held interactive discussions with the representatives from the various installations in Korea. The topics included the importance of the planning phase in the life of a project, the real-world challenges that are unique to USFK and the capabilities that FED has to offer. It was the first public endeavor intended to establish FED as the preferred choice for providing project planning and DD Form 1391 development support for the delivery of facilities in support of USFK's theater master plan.

Over the past year, EDD also participated in engagements with ROK partners to make improvements to project delivery. EDD participated in discussions with the Korea Institute of Civil Engineering and Building Technology (KICT) regarding the development of an updated list of local materials that would be acceptable for use during the construction of USFK facilities. EDD also participated in discussions with the Korea Elevator Safety Agency (KoELSA) regarding the performance of periodic

elevator safety inspections on existing elevators. Based on the results of these discussions, the EDD SPEC section will update the FED guide specifications section 14 21 23 to better communicate the requirements for future USFK facilities to be constructed by ROK contractors.

Also, EDD organized an Elevator Code Training event from Oct. 24-25, 2023. Participants include FED architects and engineers; DoD stakeholders including DPW Areas III and IV, and the 51st Air Force CES; and industry partners like H&M Elevator. The course was led by a nationally recognized elevator SME, Joe Maxwell, who is NAVFAC NW VTE Program Manager, Lead Certifying Official/WSBOSC PAR. Maxwell facilitated the training for 50 attendees on the latest UFC elevator requirements, FED-specific challenges and future UFC updates. The group discussed elevator code requirements for both new construction and renovation projects.

Geotechnical and Environmental Engineering

We are pleased to share with you the outstanding achievements of the Engineering Division – Geotechnical and Environmental Engineering Branch (EDG) throughout 2023. This year has been marked by a series of successes, underscoring our commitment to excellence and dedication to advancing the mission of the U.S. Army Corps of Engineers.

Operational Excellence and Fiscal Responsibility: EDG delivered impeccable work, successfully completing 186 projects across geotechnical, environmental, groundwater resource, geospatial, and laboratory/field testing domains. Notably, our final operating budget balanced at approximately \$7 million, reflecting prudent financial management and resource utilization.

Key Personnel Advancements: The branch experienced significant growth with key personnel additions. We welcomed Dr. Lee Dong-geun, a distinguished geotechnical engineer, who joined the Materials Testing Laboratory (MTL) in January 2023. Additionally, Lee Kyoung Eun, an experienced environmental engineer, and Ko Ji-won, an enthusiastic geologist, both joined their respective sections in October 2023.

Leadership Excellence: In FY23, EDG was led by a team of distinguished leaders – Minjae Park (Chief, Geotechnical and Environmental Branch), Dr. Haekyung Kim (Chief, Environmental Section), Dr. Pak Chun-pom (Chief, Geomatics and Support Section), and Pak Song-hyon (Chief, Geology and Hydrology Section). Their visionary guidance played a pivotal role in steering our successes.

Geotechnical Engineering Section Triumphs: The Geotechnical Section (EDG-G) achieved remarkable milestones, completing 11 geotechnical design and analysis reports, including projects such as the Unmanned Aerial Vehicle Hangar and the NAF Army Lodging Facility at USAG Humphreys. The section's expertise was evident in executing a construction surveillance monitoring program for 15 projects, handling Requests for Information (RFI) Reviews, settlement monitoring installation inspections, and conducting thorough engineering report reviews.

Materials Testing Laboratory Excellence: Our MTL in the Geotechnical Section conducted four inspections of concrete and asphalt batch plants and 20 QC laboratory inspections

crucial for ensuring the quality of concrete, asphalt, and testing services during construction. Additionally, personnel performed 27 field QA support actions related to soil and concrete, such as Repair Pavement on Runway and Overruns at Kunsan Air Base and Family Housing Tower at Camp Walker. MTL's support extended to nine projects, providing accurate soil properties test results.

Environmental Engineering Section's Commitment to Sustainability: EDG's Environmental Section (EDG-E) played a pivotal role in advancing sustainability, managing 30 diverse projects, including asbestos surveys, environmental compliance updates, and successful completion of DLA projects. Our reliance on five Environmental Indefinite Delivery Indefinite Quantity (IDIQ) Contractors underscored our commitment to excellence in environmental engineering.

Geomatics and Support Section's Contribution: The Geomatics and Support Section (EDG-D) excelled in providing topographic surveys, geospatial data analyses, and GIS for 52 projects. The section's strategic partnerships, construction quality surveillance, and investment in new equipment such as 3D scanners for high-quality data delivery contributed significantly to our in-house capability enhancement.

Geology and Hydrology Section's Impactful Contributions: The Geology and Hydrology Section (EDG-H) made significant contributions through geotechnical subsurface exploration, completing 92 borings for 14 projects. The section's efforts in providing water well services at various USFK installations ensured a clean and potable water supply, reflecting our commitment to essential infrastructure.

In conclusion, 2023 stands out as a resoundingly successful year for EDG, brimming with achievements that vividly highlight our unwavering commitment to excellence, innovation, and mission triumphs. The team eagerly anticipates leveraging this triumph as a foundation for even greater accomplishments in the upcoming year, steadfastly contributing to the continued success of the U.S. Army Corps of Engineers - Far East District.

Technical Services Branch

The Technical Services Branch (EDT) manages the quality of designs and provides oversight to safeguard U.S. codes and regulations along with users' facility requirements throughout the project lifecycle for the Far East District. The branch provides technical resources along with delivering reliable and innovative engineering solutions throughout the duration of projects.

During the past year, EDT served a significant role for the award of approximately 60 AE task orders and three modifications to existing AE contracts. EDT also ensured the successful completion of six planning charrettes and the technical review of at least 190 design submittals. The efforts required to achieve these results included develop-

ing statements of work in coordination with the project delivery team, establishing the Government position for and conducting negotiations, managing the dissemination of and responses to requests for information, coordinating with external subject matter experts when appropriate, reporting statuses, and serving as the contracting officer's representative (COR) for AE contracts. For technical reviews of AE design submittals, EDT ensured compliance with applicable criteria and regulations as well as assessed the functionality of systems.

EDT successfully executed the district's challenging mission while undergoing change in several key positions. The previous Design Management

Section Chief, Choe Kwang-kyu, transitioned to a role as a Special Advisor to the Chief to apply his extensive knowledge and experience at the organizational level. A-E services section (EDT-A) Chief, Bruce H. Bae, replaced Choe as the EDT-D Chief. Technical Review Section (EDT-T) Chief, David Thomas, returned to the States and the branch chief, Sun H. Lee is serving a dual role as the branch chief and acting section chief until a replacement section chief is hired. Additions to the staff included six Design Managers who joined EDT in 2023: John Park, Heather Choe, Ryan Pollard, Raymond Brown, Eric Jeong, and Kim Ji-ae.

Office of Counsel

The Far Far East District's Office of Counsel supported the district's missions and its stakeholders during the year, providing legal reviews of proposed stakeholder project orders, service acquisitions, construction, repair and maintenance acquisitions, A-E design contracts and task orders, contract modifications and performance issues and other acquisition actions with a value of several hundred million dollars. As in other years, Counsel's legal advice and assistance touched on the U.S.- Republic of Korea (ROK) Yongsan Relocation Program (YRP) program, ROK Funded Construction (ROKFC)-in-Kind actions, and U.S. funded Military Construction (MILCON) and Sustainment, Restoration, and Modernization (SRM) projects.

Counsel's support assisted the district in award of new Environmental Services multiple award contracts to better assist our stakeholders with healthy management of their installations. Counsel worked closely with Contracting Division in the award of seven IDIQ contracts for design-build construction

projects — the first such contracts awarded by FED in over 20 years. They also assisted the Programs and Project Management and Contracting Divisions in successfully executing numbers of fiscal year-end acquisitions without the need to return any funds to our stakeholders.

Contract litigation remained active in 2023. Counsel represented the agency during three Armed Services Board of Contract Appeals (ASBCA) appeals and a Government Accountability Office (GAO) bid protest. Final outcomes for all these actions were pending at year-end.

Counsel's full-time staffing decreased by 25 percent during the year, with the departure of Steven Finch to Vicksburg District. Efforts to plus-up the office were ongoing at year's end, and a robust developmental temporary duty assignment (TDY) program saw nine USACE attorneys supporting FED while learning about life and work in an overseas district.

Contracting Division

Information Management Office

2023 Far East District Industry Day

The Contracting Division (CD) facilitated the 2023 Far East District Industry Day on Oct. 13, 2023, at the Riverbend Golf course on Camp Humphreys. The event introduced contractors in the local community and globally to FED's mission to deliver engineering solutions to our allies and our nations. A total of 132 people attended, including representatives of 35 companies and our counterparts at the 411th Contracting Command. The district presented an overview of each division's mission requirements and gave the attendees opportunities to ask questions in an open forum. CD collaborated with every division within FED, along with multiple offices such as Re-prographics, Logistics Management, Information Management and Public Affairs to host the highly successful event.

\$9 Million Comprehensive Environmental Services Multiple Award Task Order Contract

This contract vehicle provides environmental services in response to requirements under various environmental programs and initiatives undertaken by the Department of Defense (DoD) and other U.S. Government agencies in Korea. Typical requirements encountered may involve environmental compliance, pollution prevention, conservation and remediation of air emissions, safe drinking water, wastewater, hazardous material handling, hazardous and designated waste, solid waste, medical waste management, petroleum, oil and lubricants, noise, pesticides, historic and cultural resources, natural resources and endangered species, polychlorinated biphenyls, asbestos, radon, lead-based paint, spill prevention and response planning. These services will ensure that the Far East District and its stakeholders are operating as well as providing a safe environment to our local communities.

\$25 Million Air Force Airfield Paving Job Order Contract

This contract vehicle provides paving requirements for U.S. Air Force installations, Korea-wide. Requirements are for Airfield pavement construction services within the statutory limitations for Operations and Maintenance (O&M) funds and providing a timely response (including night and weekend work) to remediate real property airfields, e.g., removal, maintenance, repair, and paving situations relating to, but not limited to, civil and structural work, including the replacement of airfield markings. Airfield construction also consists of asphalt concrete work along with grading for areas, pavement of roads

and sidewalks, installation of drainage pipes, and installation of manholes. Airfield paving will prevent the grounding of airplanes and ensure smooth Air Force operations in the Republic of Korea.

\$40 Million Air Force Sustainment, Restoration and Modernization Job Order Contract

This contract vehicle provides for Sustainment, Restoration and Modernization (SRM), for U.S. Air Force installations, Korea-wide. The contract is intended for construction services such as minor renovation and repair. It also provides a timely response to remediation of real and personal property facilities such as maintenance, repair and minor construction situations like civil, architectural, mechanical, plumbing, structural, electrical, heating, ventilation and air conditioning (HVAC), instrumentation, anti-terrorism and force protection, and asbestos and lead-based paint abatement. SRM construction will increase the lifespan of the Air Force's facilities and ensure service members are working in safe, up-to-date facilities.

\$45 Million Design Build Multiple Award Task Order Contract

This contract provides for Design-Build (D-B) construction of both new and renovated U.S. Government facilities in Korea. The tool provides USFK a tool to obtain construction services across the peninsula. Facilities may include training and operations; command-and-control and administrative; weapons and ammunition storage; and industrial warehouses. It also includes airfields, airfield structures including aircraft hangars, aircraft traffic control, runways and helipads. The contract encompasses exterior work such as pavements, lighting and drainage; road and rail systems, including parking lots and structures; fences, gates (vehicular and pedestrian). Additionally, it covers fuel transit, storage and dispensing facilities; and communications facilities. Quality of life facilities included are billeting for military personnel; dining facilities; family housing; DoD schools; commissaries; hospitals; medical and dental clinics. Incorporated in the tool are religious and family activities facilities, childcare centers, Morale/Welfare/Recreation (MWR) facilities, gymnasiums, swimming pools, athletic fields and other athletic facilities. The contract also encompasses civil work such as utilities and communications systems, retaining walls, drainage and irrigation systems.

In 2023, the Information Management Office (IMO) focused on cyber security. We received an Authority to Operate (ATO) decision in April for six months until November 2023 and a subsequent ATO for 6 months until April 2024 as we navigated processes at the U.S. Army Network Enterprise Technology Command (NETCOM). Concurrently, IMO prepared the accreditation package for review by NETCOM from February to November to request a three-year ATO. The preparation included the review of 30 policy documents, 70 DoD Security Technical Implementation Guide (STIG) checklists and the use of automated tools to scan every piece of hardware, software, server, storage and network device. The team fixed vulnerabilities, uploaded supporting evidence, developed programs of actions and milestones to document plans for correcting findings that could not be immediately fixed, and submitted a final package to NETCOM for review in October and is awaiting

review from the inspectors.

As a minimal support site, USACE G-6 is identifying areas to assimilate into their structure. While the previous year concentrated on the move of all email systems to the Cloud with our move to Office 365, we spent 2023 reviewing other potential systems for migration to comply with the U.S. Army's policy of moving all systems to the Cloud. Of the multiple systems identified, one was migrated with future plans to move the others.

The Operations Team upgraded the server environment by replacing four servers that were at the end of their functional lifespan with two new ones. The new servers provide higher capacity and faster speeds than their predecessors and have double the storage capability. This upgrade also simplifies the environment and reduces training of systems administrators by standardizing the system.

The Network Team also upgraded their environment by replacing 14 switches, which were near the end of

functional life with new ones that improve the security of the network while ensuring long-term reliability for the users. An additional 15 switches will be replaced in 2024.

Customer Support started the year off by upgrading the operating system on all laptops and desktop computers. The mandated upgrade was March 31, 2023; the team completed the action in February. Throughout the year, we completed 6,300 tickets on inquiries, hardware problems, software problems, life cycle replacement of hardware, printers, copiers, phones, virtual private network (VPN) connections, WebEx, Teams, photography, videography, passport, printing, special events and projects. Customer support ordered 130 new laptops for life cycle replacement and navigated a new waiver process to secure USACE laptops in quarter four. As we enter the new year, FED will be working on the next upgrade to desktop and laptop operating systems by June 30, 2024.

Safety and Occupational Health

The Far East District set its sights on the stars in 2023, the Army Safety Star, that is. Using the framework of the Corps of Engineers Safety and Occupational Health Management System (CE-SOHMS), the district continued to build on the foundation of our safety culture to work towards becoming one of the first districts in USACE (and the whole Army) to be recognized as an Army Star Safety Program. The team anticipates earning the recognition in 2024.

CE-SOHMS has six capability objectives that form the foundation upon which the district strives to constantly im-

prove. To build on our safety culture, the district began a series of Commander's Project Safety Walks and awarded over 20 Safe Driver awards. We added virtual safety messages about health topics, travel restrictions, medical emergency response, cooking, and many more to our public monitors. Every safety message was published in both English and Hangul to accommodate the entire district. We reviewed contractor mishaps at monthly Program Review Briefings and employee mishaps at the commander's update briefings to increase awareness of the effects of mishaps on FED.

Resource Management Office

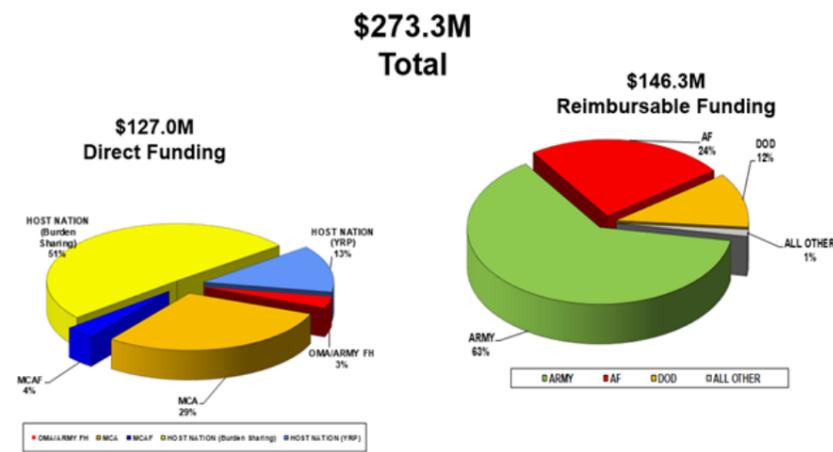
As the district increased its resources both in manning and budget, the financial team ensured a lack of fiscal violation or over-obligation, submitted upward reports within established time frames, and validated all purchase requests to ensure the propriety and legality of funds cited. They continued to utilize the Corps of Engineers Financial Management System (CEFMS) integrated financial management system and funds control processes to ensure proper fiscal stewardship of our limited resources. The system allows them to have a robust electronic signature process and role-based security feature to reinforce its internal controls. Also, it provides reliable and timely financial information for managing their financial operations. Embedded throughout CEFMS are internal controls to ensure data integrity and to prevent fraud, waste, and abuse through the segregation of duties using role-based controls.

Resource Management is responsible for formulating operating, monitoring and executing the district's operating budget along with ensuring FED has adequate resources to carry out the mission. The team successfully developed a \$67 million budget and executed 86.6 percent which is \$58.3 million in expenditures.

The FY23 closeout was a success due to early planning and coordination meetings with financial year end points of contact. Team members include Korean Nationals with over 150 years of experience who led the charge during the most dynamic time of the year and during the Chuseok holiday. The financial team communicated and coordinated all financial actions that needed to be reviewed along with processing them in a timely manner.

Resource Management accepts funds and processes transactions on behalf of the district. This year, the team accepted \$273.3 million in funds for project execution, broken into \$127 million in direct funds and \$146.3 million in reimbursable funds. Most of the direct funds came from Host Nation Funds including \$65 million from burden sharing and \$16.5 million of relocation funds. Other direct funds included Army Military Construction at \$36.8 million, Air Force Military Construction at \$5 million and Army Family Housing at \$3.8 million. On the reimbursement side, the team received \$92 million Army, \$35 million Air Force and \$17.5 million DoD funds.

At the end of the fiscal year, our nominal balance was within range. To ensure success, the team was proactively engaged throughout the fiscal year. Based on their analysis to reach the nominal range, they ensured General and Administrative (G&A)



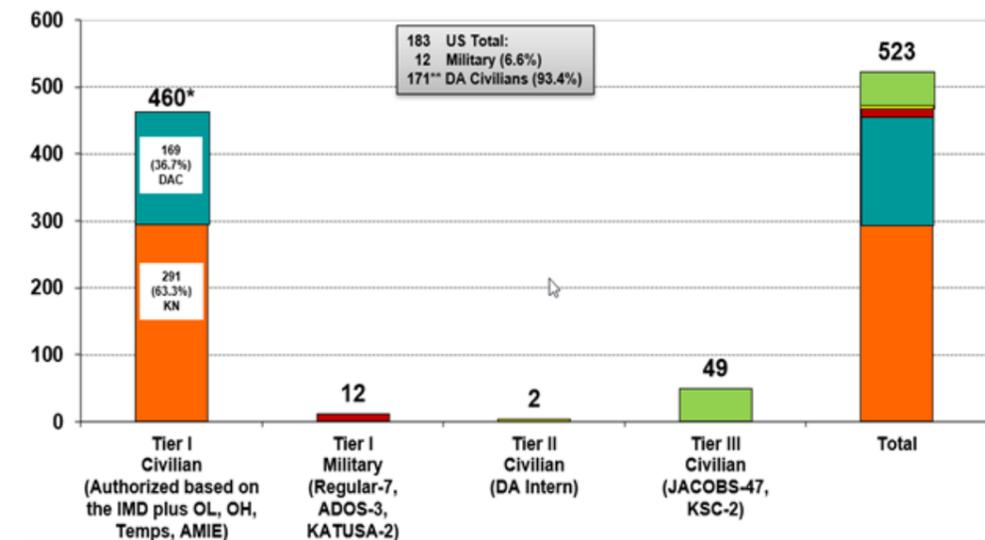
income and Consolidated Departmental Overhead (CDO) accounts ended in the positive nominal ranges with green ratings.

The direct labor charging for the FY23 Budget was 85.7 percent. The district successfully ended FY23 with an overall direct labor charge rate of 85.9 percent. We plan to continue this trend based on our robust Host Nation, Reimbursable and Direct Funding programs.

	YTD Actual Direct Labor Charging % Sept. 30, 2022	FY23 Reginal Direct Charging Guidelines	YTD Budgeted Direct Labor Charging % Sept. 30, 2023	YTD Actual Direct Labor Charging % Spet. 30, 2023	Rating Based on Actual vs. Budget
CDO Combined	87.0%	85%	85.7%	85.9%	G

Manpower is the largest component of the district's operating budget and proper management ensures that the district has adequate resources available to pay for it. RM continually monitors the breakdown of the workforce to include the number of Department of the Army Civilians (DAC), Korean Nationals (KN), Military and Contractor personnel. Our Sept. 30 manpower end strength increased by one to 523 with the following breakdown:

- Tier I – 460 personnel (169 DAC and 291 KNs) and 12 military
- Tier II – 51 personnel (2 DA Interns, 4 contractors and 2 Korean Service Corps)



The district's cumulative full-time equivalent (FTE) execution is 98 percent. With 468 budgeted and 460 actual, the team ended the year with a green rating for FTE execution.

To ensure fiscal compliance, the team reviewed, analyzed, interpreted and ensured emphasis on all Chief Financial Officers (CFO) issues. As a result, the district reported accurate CFO account status and timely corrective actions which ensured monthly compliance. The Resource Management Office monitored and reported green ratings for the CFO Act status as of Sept. 30, 2022. This includes payroll, labor cost transfer support and approval, property, plant and equipment, unliquidated orders, and accounts payable. Additionally, RM completed the USACE Joint Review Process in a timely manner each quarter reviewing thousands of transactions that included primarily cancelling funds and financial items with no activity in 240 days.

Overall, the Resource Management Office closed out a successful FY23 with great teamwork.

List of Acronyms

ACBM	Asbestos Containing Building Materials
ADA	Americans with Disabilities Act
ADR	Airfield Damage Repair
AE	Architect-Engineer (Architecture-Engineering)
AERRB	Architecture-Engineering Review and Responsibility Board
AFH	Army Family Housing
ALSE	Aviation Life Support Equipment
AMIE	Advancing Minorities' Interest in Engineering
AOAP	Army Oil Analysis Program
ARB	Attack Reconnaissance Battalion
ARMP	Army Recreation Machine Program
ASBCA	Armed Services Board of Contract Appeals
AT/FP	Antiterrorism/Force Protection
BAT	Budget and Accounting Team
BCD	Basic Change Document
BCOES	Biddability, Constructability, Operability, Environmental, and Sustainability
BCTC	Battle Command Training Center
C4I	Command, Control, Communication, Computers, and Intelligence
CAT	Contract Administration Team
CBR	California Bearing Ratio
CCD	Contract Completion Date
CCRI	Command Cybersecurity Readiness Inspection
CD	Construction Division
CDO	Consolidated Departmental Overhead
CEFMS	Corps of Engineers Financial Management System
CFA	Commander Fleet Activities
CFO	Chief Financial Officers
CG	Command Guidance
CGO	Company Grade Officers
CIO	Chief Information Officer
COBs	Co-located Operating Bases
COF	Company Operations Facilities

COR	Contracting Officer's Representative
CPAC	Civilian Personnel Advisory Center
CPARS	Contractor Performance Assessment Reporting System
CQ	Charge of Quarters
CQM-C	Construction Quality Management for Contractors
CRO	Central Resident Office
CS	Communication Squadron
CWE	Current Working Estimates
DAC	Department of the Army Civilians
DB	Design-Build
DCA	Design and Construction Agent
DCP	Dynamic Cone Penetration
DFAC	Dining Facility
DIA	Defense Installation Agency
DISA	Defense Information Systems Agency
DLA	Defense Logistics Agency
DM	Design Manager
DOJ	Department of Justice
DOR	Designer of Record
DPM	Deputy for Programs and Project Management
DPW	Directorate of Public Works
DQCP	Design Quality Control Plan
DTO	Daily Task Order
DX	Direct Expansion
EAB	Echelon Above Brigade
ED	Engineering Division
EDD	ED Design Branch
EDG	ED Geotechnical and Environmental Branch
EDG-D	EDG Geomatics and Support Section
EDG-E	EDG Environmental Section
EDG-G	EDG Geotechnical Section
EDG-H	EDG Geology and Hydrology Section
EDPM	Ethylene Propylene Diene Monomer
EDT	ED Technical Services Branch
EDT-A	ED A-E Services Section
EDT-T	ED Technical Review Section

EIFS	Exterior Insulation and Finish System
EMCS	Energy Monitoring Control System
EOD	Explosive Ordnance Disposal
EPDM	Ethylene Propylene Diene Monomer
ERDC	USACE Engineering Research and Development Center
FED	Far East District
FHRO	Family Housing Resident Office
FOS	Forward Operation Site
G&A	General & Administrative
GAO	Government Accountability Office
GIS	Geographic Information System
GPM	Gallons per minute
GSE	Ground Support Equipment
GSF	Grams per square foot
GSM	Grams per square meter
HAO	Humphreys Area Office
HAS	Hardened Aircraft Shelters
HDPE	High-Density Polyethylene
HN	Host Nation
HQ	Headquarters
HVAC	Heating, Ventilation, Emergency Generator, Air Conditioning
ICD	Intelligence Community Directive
IDIQ	Indefinite Delivery Indefinite Quantity
IDS	Intrusion Detection System
IED	Improvised Explosive Device
IGEs	Independent Government Estimates
IMO	Information Management Office
IPS	Installation Planning Standards
ISB	Installation Support Branch
ISEC	Information System Engineering Command
ISO	International Standards Organization
JOC	Job Order Contract
JRP	Joint Review Process
KAOIC	Korea Air Operations and Intelligence Center
KAOC	Korea Air and Space Operations Center
KBSC	Korea Battle Simulation Center
KMCA	Korean Military Contractors Association

KN	Korean Nationals
KoELSA	Korea Elevator Safety Agency
KRO	Kunsan Resident Office
KSC	Korean Service Corps
LAMS	Large Area Maintenance Shelter
LCS	Labor Cost Sharing
LEED	Leadership in Energy and Environmental Design
LPM	Liters per Minute
LPP	Land Partnership Program
LPS	Lightning Protection System
LSA	Logistics Support Area
MATOC	Multiple Award Task Order Contract
MCAF	Military Construction Air Force
MCIPAC	Marine Corps Installations Pacific
MEF	Marine Expeditionary Force
MILCON	Military Construction
MIPR	Military Interdepartmental Purchase Request
MMS	Material Maintenance Squadron
MND	Ministry of National Defense
MSM	Small Munitions Storage Magazines
MSR	Monthly Status Reports
MTL	Materials Testing Laboratory
MURO	Ministry of National Defense U.S. Forces Korea Relocation Office
MWR	Morale, Welfare, and Recreation
NAF	Non-Appropriated Funds
Netcom	Network Enterprise Technology Command
NTP	Notice to Proceed
OC	Office of Counsel
OGS	Operational Ground Station
OMA	Operations and Maintenance
OSHA	Occupational Safety and Health Administration
PA	Program Analyst
PACOM	Pacific Command
PCT	Project Controls Team
PCC	Portland Cement Concrete
PCS	Permanent Change of Station



US Army Corps
Of Engineer ©
Far East District

DISTRICT OFFICES



Central Resident Office



FED HQ



Pyeongtaek Resident Office

Family Housing Resident Office

Humphreys Area Office



Kunsan Resident Office



Southern Resident Office



Busan Project Office