

FAR EAST DISTRICT

YEAR IN REVIEW 2020

US ARMY CORPS OF ENGINEERS



US Army Corps of Engineers®
Far East District



Army Family Housing Tower 3, Camp Walker

Building Strong in Korea!

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FAR EAST DISTRICT | 2020

YEAR IN REVIEW

An Annual FED Publication

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FROM THE EDITOR

Thank you for entrusting the Public Affairs Office with telling the Far East District's story. Though new to the District, I've had the privilege of being able to connect all the mechanisms that enable FED to run like the well-oiled machine that it is; all of those components and their individual contributions are compiled in this publication.

We've worked diligently to present the many FED projects, feats, and achievements of the past year, a year unlike any other in modern history. The world was thrust into a pandemic that it wasn't prepared for. Like the rest of the world, the District felt the ripple effects of COVID-19. FED assessed, evolved, and ultimately grew its capabilities through the obstacles it faced, and continued its mission of delivering engineering solutions in the Republic of Korea.

It is my distinct privilege to share this collection of FED's accomplishments in the 2020 Year in Review.



Susan Y. Lee
Chief of Public Affairs, Far East District

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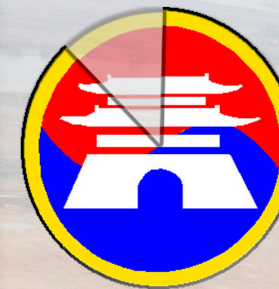


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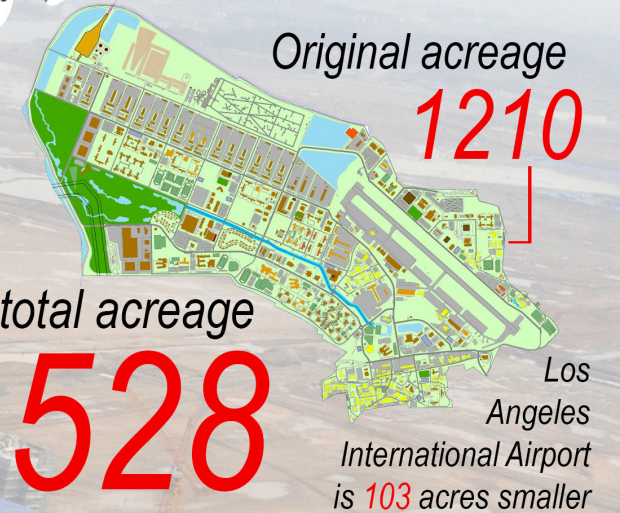
Korea Relocation Program

U.S. Army Garrison Humphreys

By the Numbers



83
Percentage of completion for the entire program



597 buildings completed;

83 buildings under construction or planned.

The number of buildings being demolished

369

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 1/2** 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

From the Far East District Commander To Our Valued Stakeholders



Christopher W. Crary
Colonel, U.S. Army
Commanding

The Year in Review is provided to you, our customers and stakeholders, to highlight the many significant projects that began, continue, or were completed during the past year.

Despite the challenges brought on by the COVID-19 pandemic, the District remained productive and continued delivering engineering solutions throughout the year as a result of the strong teamwork with our many stakeholders, alliance partners, and industry firms. We could never carry out what we do without the support of so many others external to the District. The achievements presented in this Year-In-Review are shared accomplishments. I want to thank all of our teammates for their hard work, collaboration, and partnership throughout the year.

As of March 2021, approximately 96 percent of the Yongsan Relocation Plan (YRP) and 95 percent of the Land Partnership Plan (LPP) are complete, all part of the \$10.7 billion dollar transformation and relocation program in the Republic of Korea.

For Fiscal Year 2020, Contracting

Division awarded a total of 646 actions totaling \$250 million. Throughout the peninsula, our team of dedicated professionals continued to Build Strong and meet the construction and engineering needs of United States Forces Korea and the Alliance.

Our active project list details the scope of work the District is responsible for: ranging from the massive military construction that continues at U.S. Army Garrison (USAG) Humphreys, to upgrades at Osan and Kunsan Air Force bases, to the multitude of projects at other American and Korean bases throughout the peninsula.

At the end of calendar year 2020, the Seoul Project Office (SPO), responsible for Areas I and II, closed permanently. The projects that formerly fell under the purview of SPO are now managed by the Central Resident Office (CRO). However, during its last year in operation, the SPO managed several sustainment, restoration, and modernization projects. Construction at a Special Operations Command Korea (SOCKOR) facility in Icheon reached 96 percent completion. The facility will be used as a Contingency Operations Center and barracks. In K-16, Phase A of the Special Operations Forces Operations Facility was completed with Phase B scheduled to commence in the spring. Facility improvements at CP Tango continue.

At Osan Air Base, the Central Resident Office (CRO) began the first of three phases in support of the base's Natural Gas Conversion project in June 2019, and it was completed in November 2020. This work converted the base's fuel-oil dependency to natural gas, saving the military significant money. A hangar fire-protection project began in December, an addition to the existing 3 fire-protection projects; due to COVID-19 delays, all are due for completion in 2021. In 2020, a 30 percent redesign

of a new Korea Air Operations and Intelligence Center (KAOIC) facility was initiated. The project will provide an integrated joint and coalition Command and Control center for the U.S. Seventh Air Force and Republic of Korea Air Force Operations Command (AFOC). Additionally, work was completed on 3 of 4 Air Force Job Order Contract (JOC) Task Orders involving repairs to Air Force facilities. In early 2021, Osan's Military Working Dog (MWD) Kennel Facility was completed and accepted by the Air Force. After four years of phased construction, the main runway was completed in February; work that remains are taxi way tie-ins and the lighting system, which are scheduled for completion in summer 2021. Construction on the Main Gate, Air Freight Terminal, and Chapel are in progress.

In Area III, the Humphreys Area Office (HAO) completed numerous projects at USAG Humphreys in support of YRP and LPP. Additionally, in Fiscal Year (FY) 2020, 39 task orders were awarded, and seventeen task orders were completed, totaling \$34 million in Area III.

The Pyeongtaek Resident Office (PRO) oversaw the completion of the Concrete Apron portion of the USAG Humphreys 3rd Military Intelligence aircraft maintenance hangar complex, which was turned over in August; the hangar is scheduled for turnover in 2021. The Small Arms Ammunition Warehouse was completed on time and turned over to the Directorate of Public Works (DPW) in June. The Consolidated Fire Support Headquarters was completed and is scheduled for turnover to the DPW in early 2021. Development of the Army Regional Correctional Facility is underway; during the year, concrete work for the facility, a guard house, and utility storage buildings were completed.

The Bulk Fuel Oil facility was

completed in April. It stands as the first oil facility on USAG Humphreys to be fully designed to Army Standard Design and Criteria. The Command Center Humphreys, which is essential to providing support to the overall USFK and CFC transition to USAG Humphreys is currently 85 percent complete. It is one of the final projects related to YRP.

I'm also proud to say that construction on the much-anticipated General Officers' Housing, a significant project of the Family Housing Resident Office (FHRO), was completed in the beginning of the new year. Construction on three Unaccompanied Enlisted barracks and six Family Housing towers are well underway. The Family Pet Care Center is expected to complete this summer—a facility that represents USFK and the District's commitment to providing our warfighters with a world-class quality of life.

At Kunsan Air Base, the Kunsan Resident Office (KRO) completed the

much-anticipated Airfield Damage Repair (ADR) Warehouse, which was accepted by the Air Force in November. The Warehouse provides Airmen with a storage facility, saving War Readiness Material assets from damage and deterioration. In May, the District completed the first 3 phases of a 9-phase plan to upgrade Kunsan's hardened aircraft maintenance shelters and provide safe working conditions for Airmen maintaining weapons systems.

In Area IV, the Southern Resident Office (SRO) stayed busy with maintenance, repair, and upgrade projects in Daegu, Camp Carroll, Camp Walker, and Chinhae. Construction on the final two, of four, planned Army Family Housing towers on Camp Walker continues. These 15-story towers will each supply 90 apartments for Company Grade Officers, Senior Non-Commissioned Officers, and their families. With ancillary facilities like multi-age playgrounds, picnic gazebos, and parking towers, the District

remains committed to providing our warfighters and their families with a superb quality of life.

The Far East District continues to support annual joint and combined forces training events on the Korean Peninsula. We look forward to enhancing our coordination with the Ministry of National Defense (MND) and the Defense Intelligence Agency (DIA), to provide ready and capable field engineering forces, enabling CFC and USFK to complete their missions, if called upon.

2020 presented challenges due to the ongoing pandemic, but it also served as an opportunity for the District to grow its capabilities and test our resourcefulness. The outlook for 2021 is bright. Our goals remain resolute. We will continue to award, complete, and deliver critical projects to help support the warfighter, their families, and our Korean Allies.



Active Project List

Location	Program	Project Name	Phase	Design	Construction
Alamo, Korea	2020	501st MI Det J & Det L Site Improvement & Slope Corrections	Construction		1%
Busan	2020	Repair Underwater Voids, Concrete Block Wall, B-2770	Design		
Busan	2021	FY21 OMA Struct Analysis of ROK Army Facility HLZ - BUS	Design		
Busan	2021	CNFK HQ Facility HVAC System Evaluation	Design		
Busan	2022	Maritime Operations Center	Design	90%	
Camp Mujuk	2017	Marine Air Ground Task Force Operations Center	Construction	100%	98%
Camp Mujuk	2018	Camp Mujuk Life Support Area (LSA) Barracks #3	Construction	100%	100%
Camp Mujuk	2021	FY21 OMN Perm Party DFAC Seating Area Expansion - MJK	Design		
Camp Mujuk	2021	FY21 OMN Endurance Course - MJK	Design		
Camp Mujuk	2021	Study & Evaluate Central Utility Plant	Design	10%	
Camp Mujuk	2021	Upgrade Sewage Treatment Plant	Design	100%	
Camp Mujuk	2021	Replace Switching Station and Electrical Distribution System	Design	100%	
Camp Mujuk	2021	Relocate Communications Center	Design	100%	
Camp Mujuk	2022	Emergency Operation Center	Design		
Camp Mujuk	2022	Bldg 1115 Chiller Replacement	Design	95%	
Camp Mujuk	2022	Expeditionary Dining Facility	Design	15%	
Camp Mujuk	2023	CY23 ROKFC-in-Kind Second Entry Cntrl Point M23R950 - MJK	Design		
Camp Mujuk		Env-Cross Connection Cntrl/ Backflow Prevention(GE20-031E)	Design		
Camp Mujuk		Env-Alternate Ground Water Source Survey (GE20-032E)	Design		
Camp Mujuk		Env-Storm Water Pollution Prevention Plan (GE20-033E)	Design		
Carroll	2005	H-805 Relocation - Camp Walker to Carroll	Construction	100%	79%
Carroll	2017	Sustainment Facilities Upgrade Phase 1 - DLA Warehouse	Construction	100%	97%
Carroll	2019	Repair Building B-975	Design	90%	
Carroll	2019	Replacement Bldg 832	Design	100%	
Carroll	2019	Convert B-233 to Post Office	Construction	100%	4%
Carroll	2019	Upgrade Electrical Distribution, Phase 2	Construction	100%	3%
Carroll	2021	FY21 OMA Repair Bks, B235 HS006310 - CRL	Design		
Carroll	2021	FY21 OMA Repair Bks, B262 HS006270 - CRL	Design		
Carroll	2021	Replace APS-4 Maint Shop	Design	100%	
Casey		Env-Emergency Spill Cleanup, Madison Site (GE20-019E)	Design		
Casey		Env-Well Head Protection Plan (GE19-017E)	Design		
Casey		Env-Potable Water Master Plan Update (GE20-017E)	Design		

Location	Program	Project Name	Phase	Design	Construction
Casey		Env-Asbestos Survey/Management Plan (GE20-015E)	Design		
Casey		Env-Spill Prevention Response Update (GE20-018E)	Design		
Chinhae	2019	Indoor Training Pool	Construction	100%	38%
Chinhae	2020	Building Refresh Study for B-710 (Old Galley)	Design	15%	
Chinhae	2020	Repair Well Head and Valve Box	Construction	100%	100%
Chinhae	2021	FY21 OMN Repair Humidity Problems, B-711	Design	100%	
Chinhae	2022	Relocate Water Treatment Plant	Design		
Chinhae	2023	Boat Ramp	Design		
Chinhae	2023	Magazine Storage Pad	Design		
Chinhae		Env-Update to Asbestos Management Plan (GE20-020E)	Design		
Chinhae		Env-Navy On-Scene Coordinator (NOSC) Plan Update	Design		
Chinhae		Env-Lead Srvy/Rmvl Int Mobile Gun Range(GE20-034E)	Design		
Chinhae		Env-INRMP Update (GE20-012E)	Design		
Chinhae		Env-Spill Prevention & Response Plan Update (GE20-008E)	Design		
Chinhae		Env-Aqueous Film Forming FOAM (AFFF) Replacement and Disposal (GE20-023E) - Huntsville	Design		
CP Tango	2017	Repair Collective Protection System(CPS)	Construction	100%	92%
CP Tango	2019	CAP 091589 Command and Control Facility	Design	100%	
Daegu	2020	Repair Elevated Water Tanks (Carroll, Pier 8)	Design		
Daegu	2020	Repair Water Tanks (JOC), Area IV	Construction		0%
Daegu	2021	Evaluate Final Protective Barriers	Design		
Daegu	2021	FY21 OMA USAG Daegu Asbestos Survey I1005990- DGU	Design		
Daegu AB	2016	Operation Complex	Construction	100%	100%
Daegu AB	2018	Repair Base Engineer Maintenance Shop B-3605	Construction	100%	90%
Daegu AB	2019	Repair Aircraft General Purpose Shop B-5005	Design	90%	
Daegu AB	2019	Repair HVAC Medical Storage	Design	90%	
Daegu AB	2019	Barracks Renovations Various Bldgs	Design	90%	
Daegu AB	2019	JOC-Construct LAMS Aircraft Concrete Pads	Design		
Daegu AB	2019	Repair HQ B-3571	Construction	100%	90%
Daegu AB	2019	JOC-Upgrade Fire Alarm Systems at Various COB's Korea	Construction		98%
Daegu AB	2020	Repair Supply and Equipment Base Warehouse B-125	Design	90%	
Daegu AB	2021	Replace Bldg 452	Design	100%	
Daegu AB	2021	JOC-Maintain Above Ground Pipe Coating (DLA)	Design		
Daegu AB	2023	Upgrade Water Distribution System	Design	90%	
Daegu AB		Env-Update Spill Prevention & Response Plan	Design		
FRED	2019	Upgrade Fire Protection	Construction	100%	45%

Location	Program	Project Name	Phase	Design	Construction
FRED	2021	FY21 OMA Repair Deteriorated Bldg, B1030 H20100141 - FRED	Design		
FRED	2021	FY21 OMA Repair Deteriorated Roads & Pavement H20100131 - FRED	Design		
FRED	2021	Install Commercial Power	Design	95%	
FRED	2021	Site Development	Design	90%	
Henry	2016	Electrical Distribution Upgrade	Construction	100%	96%
Henry	2019	Renovate 403rd AFSB Admin Office	Construction	100%	0%
Henry	2020	Repair Building, B-1110	Design		
Henry	2021	FY21 OMS Repair/Replace Playground Equip, B-3000 I8005039 - GRG	Design		
Icheon	2018	SOCKOR Contingency Operations Center & Barracks	Construction	100%	94%
K-16	2018	SOF Operation Facility, B-606	Construction	100%	76%
Gimhae	2019	Connect sewer to city sewer system	Design	80%	
Gimhae	2021	Airfield Damage Repair Warehouse (Gimhae AB)	Design	100%	
Gimhae	2023	Repair Contingency Hospital	Design	15%	
Kunsan AB	2018	3rd Generation HAS, Phase 4,5,6	Construction	100%	9%
Kunsan AB	2018	Airfield Damage Repair Warehouse	Construction	100%	100%
Kunsan AB	2018	Install Floating Roof (DLA)	Design	100%	
Kunsan AB	2018	Various DLA projects	Design	100%	
Kunsan AB	2019	Repair Supply Warehouse, B823	Design	30%	
Kunsan AB	2019	Install SCADA System on all Lift Stations	Design	100%	
Kunsan AB	2019	Replace Media Blast Booth, B2819	Design	95%	
Kunsan AB	2019	Renovate Vehicle Operations Admin, B960	Design	30%	
Kunsan AB	2019	Upgrade Flow-Through Fuel System (Wolf Pack)	Construction	100%	10%
Kunsan AB	2020	JOC-MRAP Parking Area	Design		25%
Kunsan AB	2020	Repair N-S POL Transfer Pipeline (DLA)	Design		
Kunsan AB	2021	Unmanned Aircraft System (UAS) Beddown Area	Design	30%	
Kunsan AB	2021	Repair Sewer System Various Area	Design	90%	
Kunsan AB	2021	Upgrade Airfield Lighting Vault	Design	30%	
Kunsan AB	2021	Explosive Ordnance Disp. Facility	Design	100%	
Kunsan AB	2021	Dining Facility	Design	100%	
Kunsan AB	2021	TWCF-Renovate Air Passenger Terminal	Design	60%	
Kunsan AB	2021	TWCF-Add to Air Passenger Terminal	Design	60%	
Kunsan AB	2022	Install CPS/Renovate RAPCON, B2844	Design		
Kunsan AB	2022	Construct Backup Generator Plant	Design	90%	
Kunsan AB	2023	Ambulatory Care Center Replacement	Design		

Location	Program	Project Name	Phase	Design	Construction
Kunsan AB	2023	Upgrade Electrical Distribution System	Design	90%	
Gwangju AB	2019	Repair Conventional Munitions Shop B1503	Design	90%	
Gwangju AB	2020	JOC-501st MI OGS12 Site Improvement	Construction		2%
Gwangju AB	2021	Airfield Damage Repair Warehouse	Design	100%	
Gwangju AB	2023	Construct Type IV Hydrant System	Design	30%	
Osan AB	2009	VIP Aircraft Area (AV040N)	Construction	100%	100%
Osan AB	2013	CAP 072419 Hospital Addition/Alteration	Construction	100%	100%
Osan AB	2014	Munitions Storage Area Alpha	Construction	100%	97%
Osan AB	2014	Replace Main Runway	Construction	100%	96%
Osan AB	2015	Repair Fire Protection Sys B-843	Construction	100%	100%
Osan AB	2016	Aircraft Fuel System Maintenance Dock	Construction	100%	99%
Osan AB	2017	Repair FP System AS B-849 & PH B-848	Construction	100%	99%
Osan AB	2017	Air Freight Terminal Facility	Construction	100%	73%
Osan AB	2017	Construct F-16 Quick Turn Pad	Construction	100%	99%
Osan AB	2018	ACE SMYU163002A Base-wide Natural Gas Conversion Phase I	Construction	100%	100%
Osan AB	2018	Construct Chapel Center	Construction	100%	0%
Osan AB	2018	D2 FY19 JTAGS, Bldg 963 (Design-Build)	Design	100%	90%
Osan AB	2018	Repair Aircraft Maintenance Hangar B1731	Construction	100%	90%
Osan AB	2018	JOC-Repair HASs B-Diamond	Construction		94%
Osan AB	2018	JOC-Repair Airfield Pavement	Construction		100%
Osan AB	2018	Renovate SQ Operations Building 1182	Construction	100%	99%
Osan AB	2018	JOC-Repair 3rd Gen HAS & MUNS Pre-Load Lighting System	Construction		99%
Osan AB	2018	Main Gate ECF	Construction	100%	58%
Osan AB	2019	ACE SMYU073011 MWD Kennel Supporting Facility	Construction	100%	99%
Osan AB	2019	Repair WRM Warehouse, B2462	Design	30%	
Osan AB	2019	Repair Aircraft MX Hangar B1732	Design	100%	
Osan AB	2019	Repair Fire Protection System Hangar B851	Design	90%	
Osan AB	2019	Repair Fire Protection System Hangar B1173	Construction	100%	0%
Osan AB	2019	Repair/Renovate Bath/Locker/Janitor Rooms at Osan MHS	Design	35%	
Osan AB	2019	5th Reconnaissance Squadron Aircraft Shelter	Construction	100%	5%
Osan AB	2019	Repair Contingency Fuel Delivery System (DLA)	Design	30%	
Osan AB	2020	Repair 5th RS AGE Maint & 694 ISRG Storage B850	Design	30%	
Osan AB	2020	Repair Sewer Force Main Line	Design		
Osan AB	2020	Repair CPS for KCOIC	Design		
Osan AB	2020	JOC-Repair Airfield Pavement	Construction		0%
Osan AB	2020	JOC-Repair 18 Intel Squadron Operations B-321	Design		

Location	Program	Project Name	Phase	Design	Construction
Osan AB	2020	Defense Health Agency (DHA) Osan Hospital Renovation	Design		
Osan AB	2020	JOC-Repair Cracked Foundation Wall, DHA Osan Hospital	Construction		0%
Osan AB	2020	Communications HQ Building	Design	100%	
Osan AB	2020	Add/Repair Petroleum Operations B-1223 (DLA)	Design		
Osan AB	2021	East Campus Fitness Center	Design	30%	
Osan AB	2021	Design New HVAC/Fire Alarm System DoDEA Osan AB MHS	Design		
Osan AB	2021	Child Development Center	Design	100%	
Osan AB	2021	Aircraft Corrosion Control Facility (Ph 3)	Design	90%	
Osan AB	2022	Airfield Damage Repair Warehouse (Osan AB)	Design	100%	
Osan AB	2022	Relocate Munitions Storage Area Delta (Ph 2)	Design	30%	
Osan AB	2022	Headquarters Administrative Facility	Design	30%	
Osan AB	2022	Civil Engineering Readiness Facility	Design		
Osan AB	2022	Relocate Munitions Storage Area Delta (Ph 1)	Design	30%	
Osan AB	2023	Add/Alter Elec Distribution West Area	Design	15%	
Osan AB	2023	Korea Air Operations & Intelligence Center (KAOIC)	Design	15%	
Osan AB		Env-Hazardous Waste Management Support	Design		
Osan AB		Env-Water Pressure Study for Fire Protection System	Design		
Pohang	2017	Repair Fire Suppression System at Tri-Service Hangar	Construction	100%	100%
Pohang	2021	FY21 OMN Repair by Replacement Heater System in Tri Svs Hangar - PHG	Design		
Pohang	2021	FY21 OMN Tri-Svc Hangar Upgrade LCS-D-06 - PHG	Design		
Pohang	2021	LSA #1 Fire Rated Door Replacement JOC	Construction	100%	0%
Pohang	2022	Replace Ordnance Storage Magazines	Design	92%	
Suwon	2018	Repair POL Tank 2662 (DLA)	Design	100%	
Suwon	2019	Repair conventional Munitions Shop, B2404	Design	30%	
Suwon	2020	JOC-35th ADA Chapel Renovation	Design		
Suwon	2020	JOC-Repair/Replace Water Storage Tanks & Cooling Towers (35th ADA)	Construction		0%
Suwon	2020	JOC-Install Artificial Turf Field	Construction		99%
Suwon	2020	Repair HQ, B-2203	Design	30%	
Suwon	2020	Repair Issuing-Receiving TKP, Suwon AB (DLA)	Design	30%	
Suwon	2021	Airfield Damage Repair Warehouse (Suwon AB)	Design	100%	
Suwon	2024	Type IV Hydrant System	Design	30%	
Suwon	2019	Repair Telecommunications Facility B-2005	Design	90%	
Humphreys	2008	Phase III Facility (C4I030)	Construction	100%	90%
Humphreys	2009	Battle Command Training Center (BCTC) Secure Use Facility	Construction	100%	74%
Humphreys	2009	Communication Center (C4I010)	Construction	100%	90%

Location	Program	Project Name	Phase	Design	Construction
Humphreys	2010	USFK Operations Center (C4I080)	Construction	100%	90%
Humphreys	2010	Communication Center Alpha Area (C4I011)	Construction	100%	99%
Humphreys	2013	Consolidated Fire Support HQ (HQ090)	Construction	100%	99%
Humphreys	2015	Bulk Fuel Storage Tanks & Pumps (OS031)	Construction	100%	97%
Humphreys	2016	Asbestos Survey for Various Bldgs (GE16-045E)	Design		
Humphreys	2016	3rd MI Aircraft Maintenance Hangar Complex (AV051)	Construction	100%	93%
Humphreys	2016	Type II Aircraft Parking Apron & Taxiway (AV062)	Construction	100%	1%
Humphreys	2017	CAP 086689 Family Housing New Construction (AFH100)	Construction	100%	80%
Humphreys	2017	175th Finance Center (SPT110A)	Construction	100%	18%
Humphreys	2017	302 PN UEPH 092, 093, 094 (UEH0929394)	Construction	100%	99%
Humphreys	2018	Elec Power System Analysis (VA-60106)	Design	60%	0%
Humphreys	2018	Eighth Army Correctional Facility (OS060)	Construction	100%	29%
Humphreys	2018	VMF & Company Ops Complex(3rd CAB) (VMF130)	Construction	100%	1%
Humphreys	2018	UEPH Phase 1 (UEH120A)	Construction	100%	35%
Humphreys	2018	CY18 YRP Temporary Construction(TEMP020A)	Construction		94%
Humphreys	2019	CAP 086877 Family Housing New Construction Incr 3 (AFH090)	Construction	100%	21%
Humphreys	2019	OTH 087191 Pet Care Center	Construction	100%	29%
Humphreys	2019	Repair Parking Lots & UTIL System, B1280 (VA-80020, Z2-82064)	Construction	95%	4%
Humphreys	2019	Repair Water Seeping Issue, B12100 (WF-82063)	Design	90%	
Humphreys	2019	Repair Parking Lot near Pedestrian Gate (VA-90130)	Construction	90%	24%
Humphreys	2019	Repair Main Gate ACP (VA-90211)	Design	15%	
Humphreys	2019	Install Visitor Control Center (TX-80092, 80046)	Construction		77%
Humphreys	2019	Repair Ventilation System at Lift Station, S-719 (VA-80172)	Construction	100%	1%
Humphreys	2019	Repair Super Gym (CFC) Pool, B1949 (VS-70082)	Design	100%	
Humphreys	2019	Repair Outdoor Swimming Pool, B1484 (VS-82001)	Design	100%	
Humphreys	2019	Install Multi Industrial Power Supply (Z3-90001)	Construction		90%
Humphreys	2019	Repair Underground High Volt Elec Power Line (VA-70173)	Design	100%	
Humphreys	2019	Repair CAC Swimming Pool, B110 (VS-70080)	Construction	100%	0%
Humphreys	2019	Repair 11th Avenue & Indianhead Intersection (VA-90225)	Construction	90%	8%
Humphreys	2019	Replace Hot Water Boiler at B-511 (VI-90004)	Construction		94%
Humphreys	2019	Repair Storm Drainage System near Freedom Chapel (VA-70116)	Design	100%	21%
Humphreys	2019	Repair Security Steel Bars (VA-80009)	Construction	100%	0%
Humphreys	2019	UEPH, Phase 2 (2 Towers) (UEH120B)	Construction	100%	4%
Humphreys	2019	Site Development (INFRA070)	Construction	100%	80%

Location	Program	Project Name	Phase	Design	Construction
Humphreys	2019	Echelon Above Brigade (EAB) VMF (VMF140)	Construction	100%	1%
Humphreys	2019	Command General Officer's House (AFH050.S2)	Construction	100%	99%
Humphreys	2020	TROPHY Secure Storage Yard COR QAR Performance	Design		
Humphreys	2020	Develop DD1391 for Contingency Support Center	Design		
Humphreys	2020	DD1391 for 3rd MI Bn Gnd & Avn Spt Facility	Design		
Humphreys	2020	Upgrade Utility SCADA Operating System (VA-200364)	Design		
Humphreys	2020	Comparison analysis of elevator codes (VA-200328)	Design		
Humphreys	2020	Replace Road & Parking Lot (VA-90159,173,176,283)	Design		
Humphreys	2020	Replace Asbestos Water Line, Phase I (VA-80051)	Design		
Humphreys	2020	Repair Flood Lights At Crosswalk, B-5725&5700 (VA-20009)	Construction		1%
Humphreys	2020	Repair Road Connecting Pacific Victors Ave & Indianhead Avenue	Construction		8%
Humphreys	2020	15% Design for four(4) Buildings at Various Locations	Design		
Humphreys	2020	Replace Existing Entrance Doors with Auto Sliding (VA-90297)	Construction		0%
Humphreys	2020	Repair Building 535 (VA-200159)	Design		
Humphreys	2020	Scope Validation for Quarter Master Laundry Facility (IH)	Design		
Humphreys	2020	Provide O&M Manuals & AS-Build Drawings (VA-90311)	Design		
Humphreys	2020	Relocate control & power lines for Beacon lights (V9-90003)	Construction		74%
Humphreys	2020	USFK VCC UPGRADE (TX-90076)	Construction		1%
Humphreys	2020	Repair Old Cooling System (VA-200017)	Construction		2%
Humphreys	2020	Change office area to DV at B880 (V9-200001)	Construction		84%
Humphreys	2020	FY20 OMA Repair Roof, 8th Army, B12400 YV-202021 - HUM	Design		
Humphreys	2020	Replace Transformer (JOC), B5103 (VI-200007)	Construction		13%
Humphreys	2020	Repair Drainage at TSAK Parking (VA-200074)	Design		23%
Humphreys	2020	Repair Traffic Intersection at Pacific Victor (VA-90288)	Construction	30%	4%
Humphreys	2020	Repair Traffic Intersection at Tropic Lighting Ave(VA-90340)	Construction	90%	4%
Humphreys	2020	Repair Failing Roads and Parking Lots (VA-90160)	Construction		3%
Humphreys	2020	Replace smoke detectors (WL 20337, 90378, 90379 & VA-200028)	Construction		2%
Humphreys	2020	Repair 11th Street Intersection Roundabout (VA-90133)	Design		
Humphreys	2020	Install new catwalk in water treatment plant (VA-90294)	Construction		96%
Humphreys	2020	Repair Parking Near HHBN & Burke SKIES (VA-200044)	Design	90%	
Humphreys	2020	Eighth Army SHARP Renovation, B-300	Design		36%
Humphreys	2020	Replace Rubber Mat and Chain Link Fence (VI-90012)	Construction		43%
Humphreys	2020	Repair Building, B-210 (Z8-900002), Camp Ames	Construction		8%
Humphreys	2020	Repair/Replace Drainage & Water Leak, B-12400 (YV-20201)	Construction		90%

Location	Program	Project Name	Phase	Design	Construction
Humphreys	2020	Repair Legacy Water Treatment Plant (VA-80107)	Design		
Humphreys	2020	ISB/PA Office Renovations, B12600 (WV-200010)	Design		
Humphreys	2020	Repair HVAC System, B5722 Bowling Alley (VS-92080)	Construction		25%
Humphreys	2020	Install Flood Lights at Crosswalks (VA-200002)	Construction		0%
Humphreys	2020	C4I011 Post Construction Upgrades	Design		
Humphreys	2020	Relocate BLDG Transceiver of Fire Alarm System (WL-200313)	Design		22%
Humphreys	2020	Paint 7 Water Towers with Unit Insignias (VA-200090)	Construction		29%
Humphreys	2020	Install Smoke Gazebo & BBQ Gazebo (VI-90013 & 90024)	Construction		15%
Humphreys	2020	Repair Roadways & Parking Lots, Zoeckler Station (VA-90214)	Design	15%	
Humphreys	2020	Repair Service Drive Between Taro and Indianhead Avenue	Design	15%	
Humphreys	2020	FY21 OMA USFK Contingency Const List - HUM	Design		
Humphreys	2020	Repaint Interior Walls, HCESC	Construction		99%
Humphreys	2020	Repair EFIS at Central ES	Construction		16%
Humphreys	2020	Construct ROTC Drill Pad	Construction		49%
Humphreys	2020	Repair Athletic Field With Markings Stds	Design		
Humphreys	2020	Black Hat (C4I040)	Design	100%	
Humphreys	2020	CFC Relocation	Construction	100%	0%
Humphreys	2020	Phase 2 Fuel Oil Facilities (OS030PH2)	Construction	100%	49%
Humphreys	2021	096938 Army Lodging Facility	Design	15%	
Humphreys	2021	CAP 092180 Army Lodging Renovation S-121	Design	15%	
Humphreys	2021	Repair drainage canal from 7th to 11th street (VA-200117)	Design		
Humphreys	2021	Repair HVAC system, S6702 (VA-210014)	Design		
Humphreys	2021	FY21 OMA Repair Water Leaking, P-3033 VA-210020 - HUM	Design		
Humphreys	2021	Renovate AFH Towers S511 & S512 (VI-200009)	Design		
Humphreys	2021	Repair HVAC System, S6321 (VA-200304)	Design		
Humphreys	2021	Warehouse Floor Sealant Sites 1 & 2 (GT-210002)	Design		
Humphreys	2021	FY21 OMA C4I080 Maint Study, HUM	Design		
Humphreys	2021	Build Secure TOC with CENTRIX-K /SIPR, B6145 (V6-210001)	Design		
Humphreys	2021	FY21 OMA Work Container, B882 (WM-200021) HUM	Design		
Humphreys	2021	FY21 OMA Upgrade Bldg 711 & 3033, HUM	Design		
Humphreys	2021	Repair Parking lots near lodge B121 (VA-90131)	Design		
Humphreys	2021	Repair Roof of 8th Army B12400 (YV-202021)	Design		
Humphreys	2021	Repair Wash Racks (ZX-82079, ZV-200005)	Design		
Humphreys	2021	FY21 OMA Repair Noise/Vibration issue, B126000, HUM	Design		

Programs & Project Management

Security Operations Branch

The Yongsan Relocation Plan (YRP) / Land Partnership Plan (LPP) continues to be one of the largest transformation, re-stationing, and construction efforts in the history of the Department of Defense (DoD). Within this program, the Far East District (FED) provided oversight and administration of over nine Sensitive Compartmented Information Facility (SCIF) and contiguous space projects valued at approximately \$2.2 billion. Lessons learned from these projects have provided valuable insight and experience unmatched throughout U.S. Army Corps of Engineers (USACE) and DoD.

Current Organizational Structure:

- 1 Program Manager (GS-0340-14)
- 4 Project Managers (GS-0340-13)
- 1 Project Manager (KGS-12)
- 3 Security Managers (GS-0080-13)
- 1 Security Specialist (GS-0080-12)

Collectively, the current team has several decades of SCIF experience, all with Top Secret (T/S) clearances, and are indoctrinated into the Sensitive Compartmented Information (SCI) program with the exception of one Korean National. Each individual has industry-recognized certifications through Department of State (DOS) as either Site Security Managers- SSM’s (SE601), Construction Surveillance Technicians- CST’s (SE630), and/or Cleared American Guards- CAG’s (SE620).

In October of 2019, members of Security Operations Branch accompanied by the Chief of PPMD went on a road show to several locations through-

out the United States to find a permanent station to rehome the branch and keep the expertise together to support the USACE enterprise on SCIF-related projects. David Chai, the original Branch Chief departed in August 2020 as the advance party to perform the necessary actions to relocate five project and security managers to the Real Property Services Field Office Baltimore District, U.S. Army Corps of Engineers, by the summer of 2021.

The team has successfully completed three facilities with four more projects to be turned over by the end of this year. They have also completed several renovation projects and have supported other branches and districts across the globe to include the Middle East, Japan, and Hawaii. The team will be missed but FED is proud to have them move onto provide this specialized support to the entire enterprise.



PPMD Security Operations Branch Employees

Location	Program	Project Name	Phase	Design	Construction
Humphreys	2021	Renovate DCA Office, P12600	Design		
Humphreys	2021	Satellite Communications Facility (SAT010)	Design	99%	
Humphreys	2021	Attack Reconnaissance Battalion Hangar (AV061)	Design	95%	
Humphreys	2021	Air Support Operations Sq Compound (OS020)	Design	100%	
Humphreys	2021	UEPH, Phase 1 (3 Towers) (UEH100A)	Design	99%	
Humphreys	2022	Type I Aircraft Parking Apron (AV170)	Design	15%	
Humphreys	2022	UEPH, Phase 2 (4 Towers) (UEPH100B)	Design	75%	
Humphreys	2022	Elementary School (DoDDS040)	Design	60%	
Humphreys	2022	UEPH (UEH095)	Design	15%	
Humphreys	2023	MILVAN/CONNEX Storage Facility (OS080)	Design	0%	
Humphreys	2023	Airfield Services Storage Warehouse (AV090)	Design	100%	
Humphreys	2023	Hot Refuel Point (OS120)	Design	15%	
Humphreys	2024	GSAB Maintenance Hangar (AV071)	Design	0%	
Humphreys		Env-INRMP Implementation Technical Support (GE19-011E)	Design		
Humphreys		Env-Hexavalent Chromium VI Clean up (GE20-005E)	Design		
Various AB	2019	Env-Asbestos Survey & LBP Survey (Osan & 607 COB)	Design		
Various AB		Env-Hydraulic & Water Quality Models Study for COBs	Design		
Various Loc	2024	ACE SMYU023005 Korea Air Operations & Intelligence Center (KAOIC)	Design	15%	
Various Loc	2020	Defense Health Agency JOC Contract Setup	Design		
Walker	2016	Additional Amenities and Bridge Between Towers 1 & 2	Design	90%	
Walker	2017	CAP 081428 Family Housing New Construction (Tower #3)	Construction	100%	67%
Walker	2018	085893 Golf Pro Shop Renovation	Construction	100%	80%
Walker	2019	CAP 081429 Family Housing Replacement (Tower #4)	Construction	100%	11%
Walker	2019	Repair/Replace Sewer Piping System	Construction	100%	39%
Walker	2020	DeCA Commissary Roof Replacement	Construction	100%	27%
Walker	2020	CAP 094517 Army Lodging Facility (Replacement)	Design	100%	
Walker	2020	Renovate B-309	Design		
Walker	2020	Resolve Condensation at Basement of AFH#2	Construction		100%
Walker	2021	Commissary Arch & Refrig/HVAC Upgrade	Design	100%	
Walker		Env-Storm Water Pollution Prevention Plan (GE20-037E)	Design		
Yongpyong	2020	Real Estate Boundary survey at Live Fire Range Complex LTA-1	Design		
Yongsan	2009	Yongsan Residual	Design	0%	

Construction Division

Construction Services Branch

The Construction Services Branch (CSB) consists of a Contract Administration Team (CAT), Budget and Accounting Team, and 13 total employees comprised of negotiators, Contract Price Analyst, Project Scheduler, Engineering Technician and Assistant, and Program Analysts and Accounting Technician.

CSB supported area/resident offices and Contracting Division with construction contract execution and administration. It also supported the Construction Division by preparing and managing the budget and construction work placement and expenses.

In 2020, the CAT negotiated fifty-five (55) Job Order Contracting task orders at the value of approximately \$30 million, processed more than 260 contract changes in Construction Division,

and reviewed execution of contract modifications at the value of approximately \$37 million. The CAT monitored and managed execution of work placement in the amount of \$613.3 million out of the scheduled work placement of \$638.3 million. The Project Scheduler performed review of seven (7) initial project schedules and conducted eleven (11) time-impact analyses. The Contract Administration Team processed fifty-eight (58) evaluations under Contractor Performance Appraisal Report System and processed sixty-one (61) contract close-outs in a timely manner, meeting US Army Corps of Engineers goals.

The Budget and Accounting Team prepared, executed, and monitored Construction Division's budget and labor-charging. The Construction Division

executed \$20,095 of the budget, equating to 94.4% of the scheduled budget amount of \$21,297. The rate of direct charging for Construction Division was 88.6%, which was within target for the District

The Construction Services Branch conducted Construction Management Evaluation for the Family Housing Resident Office in February 2020 and for the Central Resident Office in May 2020 to improve the construction management for field offices. The CSB provided trainings to field offices for Project Scheduling for Construction and Budget preparation. Additionally, the CSB provided guidance and instruction to field offices in Construction Division related to construction contract administrations and budget and accounting areas from time to time.

Quality Assurance Branch

The Quality Assurance Branch (QAB) provides robust support for Construction Division by leading a diverse team of 25 employees in all engineering disciplines. One of the core competencies of QAB is providing technical support and assistance to Area and Resident Offices. QAB engineers are experts in their respective fields, and collectively, they enable QAB to fill gaps in knowledge at resident offices and leverage construction expertise across all field offices. Particularly in 2020, QAB demonstrated the versatility of its diverse team of engineers and the ability to adapt

to changes in mission, challenges, and construction workload, while remaining a pillar of support for the Construction Division.

Submittal and shop drawing review is one of the main capacities by which QAB supports field offices. Although a routine duty for anyone involved in construction, submittal review is crucial to ensure only approved, high-quality construction materials are used on the facilities that we construct. During the 2020 calendar year, each QAB engineer reviewed between 150 to 250 construction submittals.

One of the main ways of ensuring a high standard of construction quality is performing scheduled on-site inspections of construction. These inspections comprise of on-site inspections, total building commissioning, and Testing, Adjusting, and Balancing (TAB). Some of the challenging projects that QAB has been instrumental in bringing to completion are the Consolidated Fire Support Headquarters and Unaccompanied Enlisted Personnel Housing (UEPH) at Humphreys, Main Runway Replacement at Osan Air Base, and 3rd Generation Hardened Aircraft Shelters Phase 1, 2, 3,

at Kunsan Air Base.

Another way QAB aims to provide support to Resident Offices is by conducting Recurring Deficiency Workshops. During 2020, QAB conducted workshops in Electrical and Fire Protection. These provide a valuable forum where QAB engineers share their wealth of knowledge with engineers and QA

representatives in the field.

QAB is also tasked with the management and teaching of the Construction Quality Management for Contractors (CQM-C) Training, which all quality control managers who do construction work in the Far East District are required to take. Despite the additional challenges of conducting in-person gather-

ings due to COVID-19, each CQM-C conducted in 2020 had a full turnout. Since the purpose of the course is to familiarize all quality management personnel with the USACE quality management philosophy, several new QAB team members also took the course.



Construction Division's Quality Assurance Branch civil engineers check concrete surface smoothness on recently constructed airfield paving slabs using a straightedge.



Construction Division's Quality Assurance Branch architect takes measurements of interior paint coatings to verify compliance with dry film thickness.



Construction Division employees participate in budget training.

Humphreys Projects

Family Housing Resident Office

AFH050.S2 YRP, Command General Officer's Housing

The AFH050 officer housing community area was completed in May 2018. Adjacent to those housing units, the USFK Command General Officer's house has been constructed. The project consists of three buildings: Command General Officer's house, with an Aide's Office, and Guard House also located on site. The unit provides a 4,000-square foot floor plan which will serve not only as a residence to the USFK Command General and family, but also as a functional workspace for the Commander and staff. The residence consists of three bedrooms,

two and a half bathrooms, a two-car garage, exterior storage, a fenced-in private yard, and a pet fence. The facility includes an office for the Command General, as well as a dining room, patio, and kitchen facilities with the capability to host conferences or entertain dignitaries. The project includes provisions for applicable military, physical and information systems security measures. The project was awarded to the contractor, Ilsung Const. Co. Ltd., in August 2019. The total cost of the project to date is approximately \$7.6 million. The project is scheduled for completion in March 2021 and is nearly complete.



AFH050.S2 YRP, Command General Officer's Housing

AFH090 MILCON, Army Family Housing

This project consists of three high-rise multi-story family housing apartment towers. It will accommodate a total of 216 family dwelling units for Senior Non-Commissioned Officers (E7-E8) and their families (144 three-bedroom units, 54 four-bedroom units, and 18 five-bedroom units). The project includes ancillary facilities such as tot lots, multi-age playgrounds, and underground parking to accommodate 250 vehicles. The project is located next to USAG Humphreys' other family housing towers. The project was awarded to contractor, Yojin Construction and Engineering Co., Ltd. on Feb. 26, 2019. The total cost of the project to date is approximately \$134 million. The contractor completed the structural concrete work for the underground parking garage and is now working on the towers' lower and mid-level floors. The project is scheduled for completion in November 2022 and is currently 21 percent complete.



Rendering of AFH090 MILCON, Army Family Housing



AFH090 MILCON, Army Family Housing

AFH100 MILCON, Family Housing New Construction

The project consists of three 12-story family housing apartment towers to accommodate a total of 216 family dwelling units (144 three-bedroom units [1,800 square feet], 54 four-bedroom units [2,100 square feet], and 18 five-bedroom units [2,500 square feet]). Ancillary facilities include tot lots (2-5 years of age), multi-age (5-12 years of age) playgrounds, outdoor pavilions, a basketball court, recreational trailers, and an underground parking structure to accommodate 250 vehicles. The project is located next to existing family housing apartment towers and

adjacent to a multipurpose athletic field. The project was awarded to Daewoo E & C on Aug. 31, 2017, and the total cost of the project to date is approximately \$123 million. The project is anticipated to be turned over to Directorate of Public Works (DPW) near the end of 2021. Most of the building skin and interior mechanical, electrical, plumbing, and fire protection systems have been completed. Kitchen and bathroom cabinetry and interior finishes are ongoing. Additionally, work is underway on 15th Street, which connects Tropic Lightning and Taro Avenue, and leads to the underground parking structure. The project is currently 80 percent complete.



AFH100 MILCON, Army Family Housing

SPT180 NAF, Family Pet Care Center

The new 7,000-square foot Pet Care Center facility will include interior space for 30 dog boarding runs (30 indoor and 30 outdoor) segregated by size and type and the interior care service with 20 cat cages and 20 dog cages. Interior support space will include administrative areas consisting of customer service/reception with a small retail area, an administrative office, public/staff bathrooms, an employee lounge, and utility and storage spaces. The project was awarded to the contractor, Krima Construction, Co., on Sept. 6, 2019. The total cost of the project to date is approximately \$4 million. The project is scheduled for completion in July 2021 and is currently 29 percent complete.



Rendering of SPT180 NAF, Family Pet Care Center



SPT180 NAF, Family Pet Care Center

UEH 092,093,094 YRP, Unaccompanied Enlisted Housing

Three 8-story barracks were constructed per the latest specifications. Supporting facilities in the complex include bike racks, a generator and chiller enclosure, a troop assemble area and parking, water and wastewater system, and a storm drainage system. Recreational facilities include a basketball court, volleyball court, and pavilions. Accessibility for the

physically disabled is provided. The project includes sidewalks, curbs and gutters, security lighting, heating, ventilating and air conditioning systems, fire protection, and alarm systems, etc. The project was awarded to the contractor, Hanwha Consortium, on Nov. 2, 2017. The total cost of the project to date is approximately \$101.5 million. The project is scheduled for completion in March 2021 and is currently 99 percent complete.



UEH 092, 093, 094 YRP, Unaccompanied Enlisted Housing



Rendering of UEH 092, 093, 094 YRP



UEH 092 YRP, Unaccompanied Enlisted Housing

Pyeongtaek Resident Office

AV051 CY16 ROKFC-in-Kind, 3rd MI Aircraft Maintenance Hangar Complex

This ROKFC-in-Kind project is a Hangar Complex and Concrete Apron Project. The contract value is approximately \$91 million. The contract was awarded to Hyundai Engineering and Construction by Republic of Korea, Ministry of National Defense – Defense Intelligence Agency in late September 2016.

This project constructs a modified Aviation Maintenance Hangar Complex; fixed wing; that meets the requirements of a Certified 14 CFR Part 145 FAA Repair Station, and meets the Army Aviation Facility (TI 800-01 Appendix K) standards for the 3rd Military Intelligence (MI) Battalion (BN) Aerial Exploitation (AE). The aircraft maintenance hangar, fixed wing, is to include five dual purpose maintenance and wash bays: one large bay for RC-7 aircraft and four small bays for RC-12 aircraft. Construct two storage hangars: two bays for RC-7 and five bays for RC-12 aircraft. Construct two Company Operations Facilities (COFs), an Entry Control Point with space for Quick Reaction Forces (QRF), and two Multiple Antenna Platforms. The hangar complex will also include Petroleum, Oil, Lubricants (POL)/ Hazmat Storage; Battery Shop; covered Ground Support Equipment (GSE) Storage; covered wash rack; fuel vehicle parking; hangar access aprons for the maintenance and storage hangars; four space aircraft parking (MOC pads) one RC-7, three RC-12; and 150 POV parking spaces. The complex will be within the airfield security perimeter and have exterior security lighting, passive vehicle barriers, and landscaping for visual screening. Special foundations are included in this project. The project will be designed to achieve a minimum LEED® v3.0 Silver Certification. The aircraft parking and hangar interior will be Portland Cement Concrete (PCC) paved.

The PCC Apron portion of the project was turned over Aug. 8, 2020. Contract Completion Date for this project is scheduled for July 2021.



Rendering of AV051 3rd MI Aircraft Maintenance Hangar Complex



AV051 Storage Maintenance Bay and RC-12 Storage Bay

AV062 CY21 ROKFC-in-Kind, Type II Aircraft Parking & Taxilane

This \$5 million project is to construct 49,400 square meters of Portland Cement Concrete (PCC) Aircraft Parking and Taxi lane. The project was awarded to POSCO Construction & Engineering Co, by Republic of Korea, Ministry of National Defense – Defense Intelligence Agency (MND-DIA) in July 2020. This is located within USAG Humphreys, specifically along the North-West intersection of Taxiway “B” (Bravo) and Taxiway “T” (Tango). This phase of the project requires the construction of a parallel taxiway extension (Taxiway Extension-2) from the existing AV050 apron/taxiway to connect to existing

Taxiway “B”. Taxiway Extension-1, which will function as a taxi lane at its end-state, will connect Taxiway “T” to the AV010 Aircraft Parking Apron. The new Taxiway Extension-1 and Extension-2 shall be PCC paved with Asphalt shoulders.

Contract Completion Date for this project is scheduled for Sept. 30, 2022.

HQ090 YRP, Consolidated Fire Support Headquarters

This \$40.4 million project was awarded to HanHwa E&C in June 2018 with 900 calendar-day construction duration. The project is on the stage of close-out with the completed Directorate of

Public Works (DPW) final inspection and correction validation. The Contract Completion Date for this project is Feb. 5, 2021. Facility is scheduled to turnover to DPW Feb. 25, 2021.

This project provides construction of a multi-story Battalion/Brigade-level consolidated fire support headquarters facility to accommodate the administrative and emergency operation requirements of Area I organizations relocating to USAG Humphreys. Primary facilities (115,922 square feet) include administrative/operations areas with a Brigade Operations Center (BOC), Controlled Access Area, Secure document Area, Network Operations Center (NOC), classrooms, and conference rooms. Construction includes redundant mechanical and electrical systems with backup power such as Generator and Uninterrupted Power System (UPS), Privately Owned Vehicle parking (39,978 square feet), loading/service areas, building information systems, fire/smoke protection/detection and alarm systems, Intrusion Detections Systems (IDS) installation and Utility Monitoring Control System (UMCS) connection. Supporting facilities include underground utilities and connections, security and access lighting, parking, paving, walks, curbs, gutters, bicycle racks, fencing, dumpster pad/trash enclosure, storm drainage, exterior information systems, landscaping and signage, fire protection, site improvement, and a fuel storage tank.



Rendering of HQ090 Consolidated Fire Support Headquarters

OS060 ROKFC-in-Kind, Army Regional Correctional Facility

\$16.1 million new Correctional Facility project was awarded to Wooseok Construction Co. in November 2018 with 1,120 calendar-day construction duration. The progress is 5 percent behind schedule currently at 30 percent, due to COVID-19 site shut-downs.

This single-story building will replace the existing facility, built in 1975, which fails to comply with requirements

of various current criteria and regulations, such as Army Regulation (AR 190-47 The Army Corrections System.) The primary correctional facility includes two distinct controlled areas with special construction requirements. One of the two controlled area will include 40 individual prisoner cells divided into seven blocks - male, female, pre-trial, and post-trial, etc., and the other includes a controlled access sally port entrance, indoor recreation area, prisoner intake area, central master control center, multipurpose room to be used for visitation



OS060 Army Regional Correctional Facility

and religious services, and a dining facility (DFAC) with a full kitchen. Outside the controlled areas includes management and administration office spaces and staff classroom, etc. Electronic security system consisting of detention door locks, intercoms, duress alarm, CCTV, and vehicle access control systems with control/monitor workstations in main and central master control rooms. An outdoor recreation area will be provided. The user is the Army Correctional Unit.

Scheduled Construction Completion date is Dec. 17, 2021.

In 2020, concrete work for the correctional facility, guard house, and utility tool/storage buildings were completed. Steel structure work is in progress.

OS070 ROKFC-in-Kind, Small Arms Ammunition Warehouse

This \$ 2.1 million project is to construct a new Small Arms Ammunition warehouse. The contract was awarded to Yuil Engineering & Construction Co., Ltd. by Republic of Korea, Ministry of National Defense - Defense Installation Agency (MND-DIA) in August 2018. This single-story building facility is designed based on the authorized gross area of 465 square meters. IAW DoDM



OS070 Small Arms Ammunition Warehouse

6055.09-M, HD1.4 Ammunition stored in the facility is classified as moderate fire, no significant blast of fragment. The project is located in the Parcel 2A land development project of USAG Humphreys and is situated on a rectangular shaped parcel of land, facing west towards the existing the wash facility and driving training course. The site is accessible from A Avenue via existing and Asphalt Concrete (AC) paved road to the south. The facility will be secured with a 2.1-meter-high FE-6 Chain link perimeter fence with a 6.1-meter clear zone on the outside of the chain link fence IAW PSA Requirements. This facility includes

interior security cages to segregate stored material into individual unit storage spaces which conform to the category Hazards Division 1.4 requirements for training ammunition outlined in Department of Army Pam 385-64. Construction was completed November 2019 and the facility was turned over to DPW June 23, 2020. Construction was substantially completed on time. However, a Certified lightning protection inspector from U.S. could not travel to USAG Humphreys due to COVID-19. The project delivery team conducted inspection over video conference and successfully turned over the facility.

UEH120A CY18 ROKFC-in-Kind, Unaccompanied Enlisted Personnel Housing

This \$66.3 million project was awarded to Daewoo E & C, by Republic of Korea, Ministry of National Defense – Defense Installation Agency (MND-DIA) in March 2019. The project is to construct two 302 personnel eight-story Unaccompanied Enlisted Personnel Housing (UEPH) per the current Army Standard for UEPH.

The UEPH barracks will include private modules with individual living/sleeping rooms; each room will contain closets and a combination of kitchens and bathrooms to be shared by a maximum of two people. Barracks will include four

elevators per building (one freight elevator and three passenger elevators). UEPH support areas include circulation spaces (stairs and corridors); mechanical, electrical, and communication spaces; exterior boot wash areas; and outdoor storage buildings. Accessibility to the living/sleeping rooms will be from interior enclosed corridors. UEPH common areas include entry lobby, Charge of Quarters (CQ) station with counter, vending areas, ice machine, 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 (mud room) on the ground floor. One of the two towers shall contain a fire pump room. Supporting facilities include underground utilities (electrical, natural gas, water, and sewer systems); utility monitoring and control system (UMCS); paving, sidewalks, curbs and gutters; dumpster and pad/trash enclosures; storm drainage; exterior information systems; fire protection, vending area, facility information signage, area security lighting, fuel storage tank (IAW USFK Policies/regulations), and site improvements. Barracks site design will include circulation sidewalks; two multi-purpose recreation courts; two 30-personnel gazebos; one BBQ shelters; six covered bicycle racks; and landscaping to include all grass, trees, and vegetation within the project boundaries. Additional information technology requirements will include a mass notification system (MNS).

Construction Completion Date for this project is scheduled for Sept. 13, 2021.

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

This \$64 million project was awarded to Hyundai Engineering Co., Ltd. by Ministry of National Defense – Defense Installation Agency (MND-DIA) in May 2020. The project is to construct two 302 personnel eight-story Unaccompanied Enlisted Personnel Housing (UEPH) per the current Army Standard for unaccompanied Enlisted Housing (UEPH), which



Rendering of UEH120A Unaccompanied Enlisted Personnel Housing



UEH120A Unaccompanied Enlisted Personnel Housing

is in a consolidated area with UEH120A.

The UEPH barracks will include private modules with individual living/sleeping rooms; each room will contain closets and a combination of kitchens and bathrooms to be shared by a maximum of two people. Barracks will include four elevators per building (one freight elevator and three passenger elevators). UEPH support areas include circulation spaces (stairs and corridors); mechanical, electrical, and communication spaces; exte-

rior boot wash areas; and outdoor storage buildings. Accessibility to the living/sleeping rooms will be from interior enclosed corridors. UEPH common areas include entry lobby, Charge of Quarters (CQ) station with counter, vending areas, ice machine, 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 (mud room) on the ground floor. One of the two towers shall



Rendering of OS060 Army Regional Correctional Facility

contain a fire pump room. Supporting facilities include underground utilities (electrical, natural gas, water, and sewer systems); utility monitoring and control system (UMCS); paving, sidewalks, curbs and gutters; dumpster and pad/trash enclosures; storm drainage; exterior information systems; fire protection, vending area, facility information signage, area security lighting, fuel storage tank (IAW USFK Policies/regulations), and site improvements. Barracks site design will include circulation sidewalks; six covered bicycle racks; and landscaping to include all grass, trees, and vegetation within the project boundaries. Additional information technology requirements will include a mass notification system (MNS).

Contract Completion Date for this project is scheduled for Nov. 11, 2023.

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



Rendering of Vehicle Maintenance Facility, VMF 130/140

Two projects, VMF130/140 were awarded under one contract on July 16, 2020 with a 1,320 calendar-day construction duration and \$134 million in contract amount. The contract was awarded to POSCO E&C. The project site of VMF140 is the existing detention basin. To provide proper foundation/earth, project VMF140 required an engineered backfill of approximately 650,000 cubic

meters and soil preparation of approximately 60,000 square yards. The project area of VMF130 is 23 acres and that of VMF140 is 37 acres, totaling an area of approximately 60 acres.

Under the project VMF130, one Large Tactical Equipment Maintenance Facility Complex (TEMF; 58,200 square feet), one Admin Module (18,670 square feet), 300 personnel and 450 personnel

Readiness Modules for six Company Operations with two covered hardstands, an organizational storage facility, five hazmat storages each, concrete organizational parking for tracked vehicles (77,110 square yards), and a privately operated vehicle parking area are to be constructed.

Under project VMF140, one Large TEMF (58,200 square feet) with three Organizational Storage Buildings and three Petroleum, Oil, Lubricants (POL) Storage Buildings, one Battalion Headquarters Echelon Above Brigade (EAB) will be approximately 20,400 square feet; to include a classroom for 500 personnel, and 550 personnel Readiness Modules for six Company Operations with one Administrative Module and two covered hardstands, concrete organizational parking (120,200 square yards), and a private operated vehicle parking area to be provided.

JOC, FY20, Area III Job Order Contracts: IDIQ Contract- W912UM19D0006

This contract is an indefinite delivery, indefinite quantity, 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. This contract involves a wide variety of individual construction-type projects by issuance of task orders. In this fiscal year from Oct. 1, 2019 thru Sept. 30, 2020, 39 task orders were awarded, and 17 task orders were completed at Area III, USAG Humphreys. The combined cost of all awarded task orders in this fiscal year is about \$34 million. This year, the Installation's critical project, Modifying Space for Army Wellness Center, was awarded and completed successfully.

C Type Contract (W912UM20C0004) Lift Station Upgrades, S-719

These activities directly relate to USAG Humphreys Department of Public Works Sustainment, Renovations, and Modernization (SRM) program. FY20



IDIQ Contract W912UM19D0006



Lift Station Upgrades, S-719

SRM Project, FEWR No. VA-80172, Upgrade Lift Station, S-719. The existing lift station, S-719, was constructed about 20 years ago. The repair, replacement and upgrade of the existing system through an SRM contract was requested. This project was awarded to Fine E&C on Aug. 21, 2020 for \$1.7 million. The existing sewage and motors' flow capacity will be increased from 13,500 liters per minute (LPM) to 18,200 LPM with this project. The re-routing of temporary

sewer line work during construction is being processed.

C Type Contract (W912UM20C0008) CY20 SRM, Upgrade HVAC & Parking Lot Renovation, S-1280

This \$2.1 million project was awarded to Dukdong Industry Co., Ltd,



UEH120B Unaccompanied Enlisted Personnel Housing, Phase 2

in Sept. 2020. The project is to upgrade the existing heating, ventilation, emergency generator, air conditioning (HVAC) system, and existing parking lot for an Administrative Building (S-1280).

The parking lot will consist of 19 parallel parking stalls, 3 Americans with Disabilities Act (ADA) parking stalls, 37 perpendicular parking stalls, a loading zone, light poles, and landscaping. The mechanical project scope is to replace the existing HVAC system and provide standalone HVAC units within secure areas. The identified critical rooms will be added to the emergency power system and require standalone Direct Expansion (DX) mini-split systems to maintain the building.

Contract Completion Date for this project is scheduled for April 10, 2022.

C Type Contract (W912UM20C0013) Repair and Upgrade CAC Swimming Pool

In late September, a contract was awarded to Dukdong Industry Co., Ltd. with the base contract amount of about \$1.5 million to repair and upgrade the Community Activity Center swimming pool located in building S-110 on the base. The project includes removal and disposal of existing pool components, all



Repair and Upgrade Community Activity Center Swimming Pool

in-pool lighting, the existing spa, and the control room. A new gas-fired water heater, regenerative media filters, UV disinfection system, and new recirculating pumps will be installed, and the existing pool perimeter gutter system will be converted into a water recovery and conveyance system. A CO2 system for adjusting pH at the pool, and control and alarm systems will also be provided. The project also includes modification of the pump/filter room and adjacent electric

room to accommodate new pool equipment and increase efficiency and modification of existing architectural elements and construction of a new pool office area and storage area.

The project will enhance the ease of maintenance, comfort and safety of the pool, which will better provide for training and recreation for the USAG Humphreys community. The base contract will be completed and ready for use in the summer of 2021, with the other



CPX Gate Area Road Improvement

pools potentially undergoing renovation throughout 2021.

Design-Building Contracts (W912UM18C0024 & W912UM18C0035) FY18 OMA, Morning Calm Road Improvements

FY18 OMA, CPX Gate Area Road Improvements

These activities directly relate to USAG Humphreys Department of Public Works Sustainment, Renovations, and Modernization program.

The Solicitation and Award of two design build projects were to enhance the road system of Key Street/CPX Gate Area Road Improvements (\$4.2 million) in addition to the Morning Road Improvements (\$3.7 million). These projects provide over 6 miles of newly paved roads, parking, and Freedom Park Amenities (300 parking stalls, Tennis Court, Sand Volley Ball Court, Landscaping), providing a smoother and more uniform



Upgrade of HVAC and Parking Lot Renovation, S-1280

traffic flow pattern around the intersections of the CPX West Road and Key Street, in addition to providing a straight drive from Key Street to the Morning Calm Convention Center. Various Infrastructure enhancements with these projects include installation of underground electrical High voltage lines, upgrading and installing new storm drainage lines,

rerouting sewer and water lines, and safer pedestrians' access.

CPX Gate Area Road Improvements were signed over to the Garrison in January 2020. The Morning Calm Road Improvements were signed over to the Garrison October 2020.



Morning Calm Convention Center

Security Operations Resident Office

C4I010 YRP, Communication Center

The C4I010 Communication Center is currently \$186 million and 92 percent complete. The remaining work includes Ethylene Propylene Diene Monomer (EPDM) roof repairs, deficiency corrections, and integrated building commissioning.

This facility is essential to provide the needed communications systems and infrastructure support for the relocation of many critical facilities.

The Communications Center is a multi-story building. The building is divided into three main components. There is a protected area, an unprotected area, and a parking garage. The protected area is a two-story volume, above grade, that is subdivided into a Central Utility Plant (CUP) and the Computer Server Support area. The protected area will be constructed as a hardened structure with CPS (Collective Protection System) that supports critical communications equipment, transmission, switch, network, and server systems, and the personnel that operate, monitor, protect, and maintain them.

The protected area will also be equipped with N+2 redundant systems (generators, power, HVAC, etc.) to allow the facility to operate independently for a defined period. Also, the geothermal wells of 1,070 holes with a depth of 230 meters will provide 4,554 tons of energy and cover the protected area's cooling in endurance mode and unprotected area's cooling and heating in normal mode.

The unprotected area is a three-story component that wraps around the protected area providing additional protection against the defined threat. This area contains secure and unsecure spaces that provide services and support for USAG Humphreys Command, Control, Communication, Computers, and Intelligence (C4I) requirements.

The 6-floor Parking Structure with 700 parking spaces is intended to provide parking for civilians and authorized military personnel working in the building. The area around the ground parking lot will also provide 31 additional stalls for customers and visitors.



Rendering of C4I010 Communication Center

C4I010 YRP, Phase III Facility

The Phase III Facility is an 82,698-square foot, two-story, secure facility containing administrative offices, a data center, and a utility plant. This Yongsan Relocation Plan (YRP) project is fully funded by the Republic of Korea (ROK) Government.

The original contract was previously awarded to ECC International (ECCI). On April 18, 2017, a new consolidated contract was awarded to Gilbane Federal. The project is currently \$46 million and is currently 96 percent complete. The remaining work includes equipment repairs, deficiency corrections and building commissioning. The current Troop Ready Date (TRD) is Dec. 15, 2021.



C4I030 Phase III Facility

C4I080, Command Center Humphreys

Command Center Humphreys (CC Humphreys) was awarded to Hyundai Engineering Construction (non-secure) and Gilbane Federal (secure) with a current combined construction contract value of \$320 million. The project was modified to incorporate the relocation of the Combined Forces Command (CFC) and is approximately 85 percent complete.

This facility is essential to providing support to the overall USFK and CFC transition to USAG Humphreys and one of the final projects related to the Yongsan Relocation Program.

This facility is intended to provide administrative, operational, office, meeting percent conference, storage, and support facilities. It will have Telecommunications Electronics Protected from Emanating Spurious Transmissions (TEMPEST) protection, a Collective Protection System (CPS), emergency power and utilities, and threat protection. The current Troop Ready Date is July 5, 2022.

C4I090 YRP, Battle Command Training Center (BCTC) Secure Use Facility (SUF)

The BCTC SUF project was awarded to B.L. Harbert, International of Mobile, AL on May 24, 2019 for \$18.5 million. Notice to Proceed (NTP) for "Phase 0" was given on May 29, 2019. NTP for "Phase 1", the regular construction phase was given on Sept. 9, 2019. The scope of work includes: 10,523-square foot secure work area; this facility contains administrative and operation offices, secure communications center, training space, backup generator, uninterruptable power systems, with redundant capabilities, and intrusion detection. PAE was designated as



Rendering of C4I080 Command Center Humphreys

Central Resident Office Projects



OS030 YRP Bulk Fuel Oil Facility

Separate Security Monitoring Contractor during construction. The project is approximately 70 percent complete with a current Troop Ready Date (TRD) of Dec. 31, 2021.

OS030 YRP, Bulk Fuel Oil Facility

This OS030 Bulk Fuel Oil facility is the first oil facility in USAG Humphreys to be fully designed based on Army Standard Design and criteria. The facility is located at the Far West end of the new land adjacent to the Railhead project. The total contract amount totaled \$26 million. Construction was completed in April 2020 by Daelim Consortium.

This project will have the capabilities of receiving and sending fuel by tank truck and rail car including two 84,000-gallon operational storage tanks with pump houses, a Control/Filter building, a Fuels/Army Oil Analysis Program (AOAP) Lab, a filling station with JP-8 truck fill stand, a diesel filling station with 48,000-gallons of storage, and gasoline filling station with a 24,000-gallon capacity. Fuel oil tanks will be steel

shells encased in 19.7-inch thick concrete and partially buried; this is commonly referred to as cut-and cover construction. An electrical building to house pump motor control centers and a temporary control panel is included.

SPT110A YRP, Downtown Business Park II 175th Finance Management Center

175th Finance Management Center design is based on the USAG Humphreys Installation Planning Standards (IPS) and facilities already in existence at Downtown Business Park II. This facility is designed to accommodate nine self-contained office suites, one per division, and the Director's administrative group. The project was awarded to Seong Bo Construction Industry Co., Ltd. on Dec. 27, 2019 in the amount of \$10.8 million. The project is about 25 percent complete with a Troop Ready Date (TRD) of March 31, 2022.

The project was awarded to Seong Bo Construction Ind. Co., Ltd. on Dec. 27, 2019 in the amount of \$10.8 million.



Rendering of Downtown Business Park II 175th Finance Management Center

ROKFC-in-Kind, Construct Main Runway

The construction contract for this ROKFC-in-Kind project was awarded Sept. 30, 2016 and the completion is scheduled for May 30, 2021. The Total Contract Amount is \$71.5 million. The scope of the construction work is to replace main runway, shoulder, pavement distant markings, arresting barriers, navigational aids, airfield lighting, grading and drainage, and to provide a new runway pavement system in accordance with current Air Force criteria and standards. The Main runway portion of the project was completed and turned over to the base in February 2020. Approx-

imately 95 percent of the work is complete. Currently, the only work that remains are taxiway tie-ins and lighting system.

ROK MND/YRP, Chapel Center

The construction contract for this Yongsan Relocation Plan (YRP) project was awarded in November 2020 and the completion of the project is scheduled for May 2023. Project was awarded at \$11.6 million. The location of the new Chapel is the site of the existing Chapel and Youth Services facilities, which are south of Turumi Lodge. The demolitions of

the existing Chapel, Chapel Annex, and Youth Services buildings are included in the scope of work. The new Chapel is oriented at the corner of Songtan and Utah Streets with the Worship Center being the focal point of the facility. There are two main building entrances that bisect the building in two halves oriented east and west. There are two parking areas provided, each convenient to the two building entries on the northeast side and southwest side. The new Chapel is positioned on the east edge of the Green. This project will replace rundown and outdated facilities with a new state-of-the-art facility that will be able to support the Osan population. The contractor has installed



Main Runway, Taxiway B

a construction fence around the project site and has removed existing interior waste, and is currently performing asbestos abatement prior to demolishing old facilities. Currently, the project is 1 percent complete.

ROKFC-in-Kind, Air Freight Terminal

The construction contract for this ROKFC-in-Kind project was awarded on Sept. 29, 2017 Phase I for Airfreight terminal was completed in August 2020. The contractor is currently working on Phase II of the project, vehicle maintenance & storage (VMS) facility. Construction of the facility started in September 2020 and completion of Phase II is scheduled for September 2021. This \$35 million project will provide a cargo terminal and administration building, vehicle maintenance and storage building, fire protection and alarm systems, energy monitoring control system (EMCS) connection, and building information system. This project includes demolition of existing buildings, site development, utilities and connections, back-up power generator, lighting, paving, parking, walks, curbs and gutters, storm drainage, information system, landscaping, and signage. Approx-



Rendering of Muniton Storage Area (Alpha Site)

mately 72 percent of the work is complete. Currently, the contractor is installing the steel frame structure and roof for the VMS facility.

ROKFC-in-Kind, Construct Munitons Storage Area (Alpha Site)

The construction contract for this ROKFC-in-Kind project was awarded September 2016, with construction completion scheduled for August 2021. This \$146.4 million project is to construct 46 Large and 9 Small Munitions Storage Magazines (MSMs). Supporting facilities include inert storage facilities, ISO pads, entry control, and defense



Small Munitions Magazines



Large Munitions Magazines

fighting position (DFP) facilities. During 2020, the contractor erected the 46 Large Munitions Magazines and 9 MSMs, including the doors, and retaining walls. The contractor has completed 100 percent of the water lines and the drainage, 98 percent of the perimeter and restricted area fence, and 90 percent of the Asphalt Concrete (AC) pavement. The contractor is working on completing small munitions facilities, DFP's, and guard towers. Currently, the project is 96 percent complete.

rence of security threats to airmen stationed at Osan. As of January 2021, the construction is 57 percent complete.

ROKFC-in-Kind, Aircraft Fuel Maintenance Dock

The construction contract for this ROKFC-in-Kind project was awarded in September 2016. This \$15 million project will be the primary fuel system maintenance dock at Osan Air Base. The current facilities are inadequate, which cause a maintenance backlog for F-16 and A-10 aircraft. The new facility will be larger and better equipped to ensure our fighter aircraft are able to receive critical maintenance. The facility in-

cludes safety systems such as vapor detection, splinter and chemical protection, and better fire protection to ensure that the aircraft and crews work in a safe environment. Due to COVID-19 and various factors, the project has been delayed. The required testing and commissioning by CONUS personnel could not take place, therefore the project completion has moved to spring of 2021.

DoD ECIP MILCON, Base-Wide Natural Gas Conversion, Phase 1

The construction contract is part of the Energy Conservation Incentive Pro-

ROKFC-in-Kind, Main Gate Entry Control Facility

The construction contract for this ROKFC-in-Kind project was awarded in January 2019 with construction completion scheduled for October 2021. This \$12.5 million project is to construct access control facilities at the Osan Main Gate, which include a visitor control center, vehicle inspection canopies with guard booths, gate house, and an over-watch building.

During 2020, the contractor completed T-type and L-type retaining walls. Also, excavation began for the new entry road and vehicle inspection area, as well as excavation and utility work for the new visitor control center. This project will substantially improve the security of the base with an access control system and enhance antiterrorism force protection that will ensure the safety and deter-



Osan Main Gate Entry Control Facility



Air Freight Terminal Vehicle Maintenance and Storage (VMS)



Aircraft Fuel System Maintenance Dock Exterior

gram (ECIP). The ECIP program is funded through the projected savings of switching from fuel-oil dependency to natural gas. This \$14 million project was awarded in June 2019 and completed in November 2020. Eight kilometers of underground steel gas-pipe was installed across one-third of Osan Air Base. It also replaced the diesel-powered heaters and boilers with high-efficiency natural gas-powered boilers in forty-two buildings. This project is the first of three planned phases. It included connecting to an off-base, Korean natural gas pipeline. Most of the buildings that were converted to natural gas are support and civilian-occupied buildings, such as the Commissary, schools, dorms, family housing towers, and much of the eastern-half of the base. Work was completed by November of 2020, so all buildings had both air-heating and hot-water-heating powered by natural gas in time for the winter. Currently, the project is being closed out and is in warranty status.

Military Working Dog (MWD) Kennel Supporting Facility

This project was awarded in September of 2019 at \$1.23 million. The scope of this project includes construction of a single-story structure with a gross floor area of 233 square meters (2,508 square feet) for the primary facility. The new facility



MWR Kennel Supporting Facility

Currently, the project is being closed out and is in warranty status.

SRM, Repair Fire Protection in Hangars B843, B849, and B1731 – Air Force IDIQ Project

Multiple construction contracts spread across the entire Pacific region are upgrading the fire protection systems of U.S. Air Force hangars. At Osan AB, there are currently three on-going construction projects that total \$10 million. Hangar B843 and dual-bay hangar B849 shelter three U2 aircraft. Hangar B1731 is a large maintenance hangar that can fit up to four aircraft. These projects add infrared fire-detection and a combination of sprinkler and high-expansion foam systems that can extinguish all fires in less than a minute. In addition to updating the fire-suppression systems, these projects also repair the electrical, structural, and HVAC systems in the 40-year-old hangars. These projects have been awarded and completed since 2014. One additional hangar fire-protection project started in December 2020. The three existing projects neared completion in 2020, with only testing of the new Fire Protection System remaining. The testing has been impacted by COVID-19 restrictions on personnel movement and are likely to be completed in early 2021.

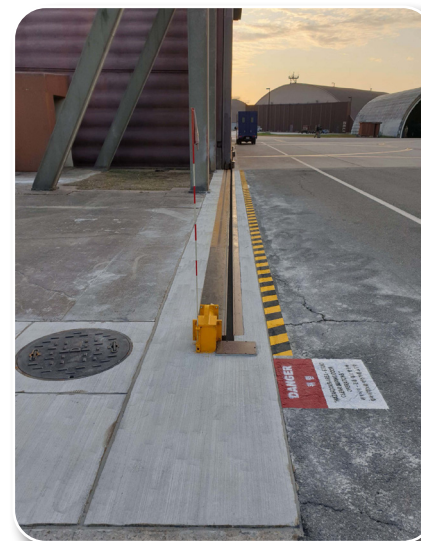
Air Force Job Order Contract (JOC)

Three (3) new Job Order Contract (JOC) projects at Osan and Suwon Air Base were awarded for a total contract amount of \$2.2 million.

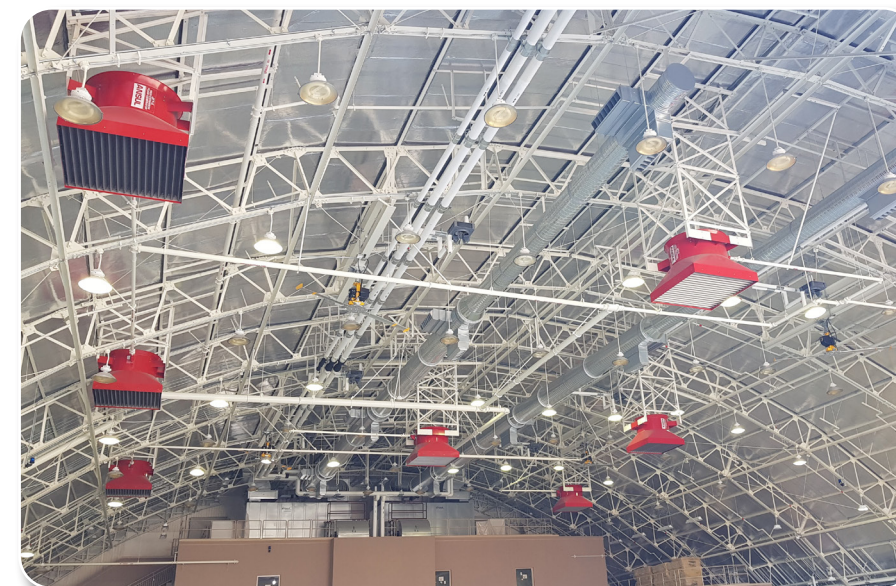
1. W912UM20F0091, Repair Softball Field, Suwon Air Base. (Contract amount: \$987,968)
2. W912UM20F0155, Excavation and Waterproofing of Below Grade Wall at Osan Hospital. (Contract amount: \$202,352)
3. W912UM20F0159, Replace Water Storage Tanks Suwon Air Base. (Contract amount: \$1,001,180)

In 2020, work was completed on four task orders that were awarded in the previous and current fiscal year. Total contract amount for completed task orders is \$7.7 million.

1. W912UM17F0034, Repair Hardened Aircraft Shelters, A-Diamond & Flow-Thru. was completed in July 2020. (Contract amount: \$2,614,659)
2. W912UM18F0075, Repair 3rd Generation HAS Lighting System was completed in October 2020. (Contract amount: \$3,968,629)
3. W912UM19F0122, Upgrade Fire Alarm System was completed on July 2020. (Contract amount: \$157,265)
4. W912UM20F0091, WNHQ 20-5101, Repair Softball Field, Suwon AB was completed in November 2020. (Contract amount: \$987,968)



W912UM17F0034, Repair HAS



New Hi-Expansion Foam System, Hangar B1731

There are three (3) on-going task orders awarded in the previous and current fiscal year. Total contract amount for on-going task orders is \$5.4 million. The total current progress payment of the task orders is \$4.1 million. Construction status for those task orders is as follows:

1. W912UM18F0079, Repair Hardened Aircraft Shelters, B-Diamond: Sixty one (61) buildings were completed among a total of sixty three (63) buildings. (Contract amount: \$4,243,269)
2. W912UM20F0155, Excavation and Waterproofing of Below Grade Wall at Osan Hospital. (Contract amount: \$202,352): Major construction commenced in March 2020.

3. W912UM20F0159, Replace Water Storage Tanks Suwon Air Base. (Contract amount: \$1,001,180): Major construction will begin in March 2020.

ROKFC-in-Kind, SOCKOR Contingency Operations Center and Barracks, Icheon

The construction contract for this ROKFC-in-Kind project was awarded in October 2018 and the completion is scheduled for April 2021. This \$12.0 million project provided subterranean operations center, barracks with hygiene



W912UM18F0075, Repair 3rd Generation HAS Lighting System



W912UM18F0079, Repair HAS



W912UM20F0155, Excavation and Waterproofing, Osan Hospital

facilities, dining area/company headquarters, a fence enclosing the facility, and security lighting to illuminate the compound. The barracks portion of the facility will consist of eight open bays designed to accommodate 166 personnel, and hygiene facilities to accommodate both male and female personnel, and a lounge area on each floor. The subterranean operations center will consist of an operations center, individual offices, conference room with video teleconference capability, security office, latrine facilities, and break room. The facility equipped with fire suppression system, mass notification, intrusion detection system, back up electrical generation, and energy monitoring. The project is 95 percent complete. Currently, the contractor is performing tests of various systems and preparing for commissioning.

ROKFC-in-Kind, Special Operation Forces (SOF) Operations Facility, K-16

The construction contract for this ROKFC-in-Kind project was awarded Oct. 10, 2018 with construction completion scheduled for Dec. 18, 2020.

This \$12.8 million project is to renovate and upgrade the existing B-606 facility at K-16 Airfield. The work includes heating, ventilation and air conditioning for office areas, interior electrical, plumbing, partitions, roof, structural



W912UM20F0159, Replace Water Storage Tanks, Suwon Air Base

elements, insulation, fire protection, alarm system, and architectural modifications as necessary. Operations and administrative areas consist of: ready rooms/load out bay (1 per platoon), communication room with classified and unclassified networks, parachute packing room with storage cages, classrooms (one per platoon), area for command and control, individual equipment storage cages, company supply room, Nuclear, Biological and Chemical (NBC) room, arms room, admin/operations area for regimental command and control element, Task Force Joint Operations Cen-

ter, kennel, medical area, physical fitness/combat area, classified Video Teleconference (VTC) room, hygiene facilities, and break room. The logistics area consists of a vault, weapons cleaning area, night vision devices room, communications storage room (tactical communications), supply room, vehicle support area and maintenance bays, and covered training area. The life support area consists of open bay billeting, hygiene facilities, and lounge area. Supporting facilities include, but are not limited to, water, electrical, generator and sewer system, parking lot, security lights,

exterior communications systems, storm drainage, sidewalks, site preparation, erosion control, landscaping, fence, signage, and all other necessary works for a complete and usable facility. This project includes antiterrorism/force protection measures.

The project has been separated into two phases, A & B, and includes a requirement to keep either phase opera-

tional during the construction.

During 2020, the construction of phase A was completed. The contractor has completed the transformation of maintenance bays into a two-story billeting area. In addition to the new billeting area, the renovation of the existing maintenance areas was completed to ensure all functional aspects of the original facility are still in place with a reduced foot-

print. The facility has retained its parachute rigging area, vehicle maintenance bay, and a logistics storage area. The remaining work for 2021 in Phase A consists of performance testing and commissioning. Upon completion of Phase A, the contractor will transition to the modernization of Phase B. The anticipated completion of the Phase B is Oct. 5, 2021.



SOCKOR Contingency Operations Center and Barracks, Icheon



Special Operation Forces (SOF) Operations Facility, K-16

Area IV Projects

MILCON, Army Family Housing Tower 3

This \$50 million project is the third of the four planned Army Family Housing (AFH) Towers to be constructed at Camp Walker. This tower is a site-adapted design which includes the same or similar amenities as AFH Tower 1 and 2. This project is to construct a 15-story Family housing apartment tower for 90 dwelling units (4 five-bedroom units, 26 four-bedroom units and 60 three-bedroom units) for Company Grade Officers (CGO) and Senior Non-Commissioned Officers (SNCO) and their Families. Each floor will accommodate six dwelling units. This project includes a two story above ground parking garage connecting the tower to accommodate 135 vehicles. Construction started in June 2019 and is scheduled to be completed in August 2021. Currently at 11 percent completion.

MILCON, Army Family Housing Tower 4

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 as AFH Tower 1, 2, and 3. This project is to construct a 15-story Family housing apartment tower for 90 dwelling units (4 five-bedroom units, 26 four-bedroom units and 60 three bedroom units) for Company Grade Officers (CGO) and Senior Non Commissioned Officers (SNCO) and their Families. The size of the unit and the cost are the same for CGO and SNCO. Each floor will accommodate six dwelling units. The project includes living areas, kitchen, bathrooms, bedrooms, storage, and private entrance, with ancillary facilities such as tot lots, multi age playgrounds, picnic pavilions, gazebos, an elec-



MILCON, Army Family Housing Tower 3

trical substation, natural gas governor building, and a parking garage connecting the tower to accommodate 135 vehicles. Construction started in October 2019 and is scheduled to be completed in September 2022.

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

One of the few Land Partnership Plan (LPP)-in-Kind project in Area IV, the \$39.9 million H-805 Relocation project consists of five project sites, three in Camp Walker and two in Camp Carroll.

Site 1 in Camp Walker is the residual of what will remain as US property at H-805. This residual consists of a limited use helipad, helicopter parking pad, and a Vehicle Maintenance Facility. Site 2 in Camp Walker, Parcel 2, is located at a new property given by the ROK Government as a replacement for H-805. Located along the east side of the Camp Walker, behind AAFES/PX building, this area will be used to store 40-foot cargo containers. In Camp Carroll, a new H-832 helipad, parking pads for CH-47 helicopters, Privately Owned Vehicle (POV) parking, and a 2-story Flight Operations Center was built which will be utilized by the Airfield Division that were originally located in Camp Walker. Lastly, 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 was completed. This project received a contract modification in 2020 to complete a new Access Control Point. The contractor began this final portion of the H-805 Relocation in September 2020, with a completion date of May 2022.

ROKFC-in-Kind, Upgrade Electrical System, Camp Henry

This \$19.9 million project includes upgrades to the electrical sub-station, electrical distribution system, and utility lines at Camp Henry and George. This project was awarded in September 2016 and is scheduled for completion in September 2021.

ROKFC-in-Kind, LSA Barracks #3, Camp Mujuk

This \$15.6 million project is the third of four planned 400-person open bay barracks located at Camp Mujuk, Pohang. The project is a site adaptation of the LSA Barracks #1 design, which was developed by FED's In-House Design Team. The third barracks includes a retaining wall, significant cut and fill requirements and improvements to existing roadways leading into and around the site. The project was completed on Dec. 2, 2020.

ROKFC-in-Kind, Marine Air Ground Task Force Operations Center, Camp Mujuk

This \$51.3 million project is a four-story Operations Center which provides a forward operating Headquarters Facility for the III Marine Expeditionary Force (MEF). The facility will provide working spaces for up to 403 personnel with a maximum



H-805 Relocation, Camp Walker and Camp Carroll



LSA Barracks #3, Camp Mujuk

occupancy capacity of 1411 personnel. Key features include an operation center with watch floor, Commander's Battle Cabin, a secured operation center with server room, Communication Security Office and vault, health services center and aid station, Contamination Control area, and Non-tactical and tactical parking. Currently at 98 percent completion, the project is scheduled for completion in March 2021.

ROKFC-in-Kind, Operation Complex, Daegu Air Base

This host-nation funded project was awarded on July 27, 2016. The scope of work was to renovate architectural, electrical, mechanical, fire protection, telecommunication, exterior pavement, fence, and underground utility system for five existing buildings. A new Vehicle Maintenance Facility construction was also included in the scope of work. The total construction cost is about \$6.9 million including the cost for modifications.



Operation Complex Building, Daegu

The contract drawing of Vehicle Maintenance Facility (VMF) was revised to meet the Korean Air Force's regulation after the project was awarded. The original Construction Completion Date (CCD) of July 27, 2018 was extended to Aug. 21, 2020 due to construction changes and other reasons. The project was turned over to the user on schedule with minor deficiencies.

OMA, Repair/Upgrade Fire Deficiencies, USAG Daegu

At a combined value of approximately \$3.4 million, three task orders addressed fire suppression and fire alarm deficiencies in various buildings across US Army Garrison Daegu, specifically at Camp Henry & Camp Walker, Camp Carroll, Busan Storage Facility, and Pier 8. The repairs and upgrades included replacing jockey pumps, engines, controllers, air compressors, and risers in fire pump rooms. The project also included upgrading the fire alarm system to include new transceivers, fire alarm



Interior of Operation Complex, Daegu

control panels, operating consoles, smoke and heat detectors, bells, speakers, and programming. All three projects were completed by September 2018. Subsequently, two new Operations and Maintenance Army (OMA) Construction contracts were awarded in October 2018 to continue corrections of fire deficiencies at USAG Daegu. The project was completed September 2020.

ROKFC-in-Kind, Sustainment Facilities Upgrade, PH-1 DLA Warehouse, Camp Carroll

This \$52 million construction project includes the construction of a 25,000+ square meter general purpose warehouse and 20,000 square feet of HAZMAT/POL storage isolated from the main warehouse. The project includes demolition of several existing buildings, a new paved truck access road, perimeter security fencing, trucking yard, loading docks, and approximately 50,000 square feet of covered Pre-Engineered Building (PEB) swing spaces. The swing space was turned over to the DLA user December 2018. The project was awarded in September 2017 and is scheduled to be completed in May 2021.

OMN, 606 and 711 Humidity Problems, Chinhae

This \$830,000 Job Order Contract (JOC) was awarded on 12 April 2019 to address humidity problems in Commander Fleet Activities Chinhae (CFAC) Headquarter building (Bldg. 611) and the multipurpose building housing Commissary and MWR recreational lounge (Bldg. 711) on Chinhae Navy Base. The work for Bldg. 611 included replacing Variable Air Volume units,

chill and hot water control valves, temperature sensors and controls, modernizing DDC controls, and performing Testing and Balancing (TAB). The work for Bldg 711 includes replacing the existing ceiling tiles, maple wall panels, ceiling vapor/air barriers, and waterproofing the rooftop. This project started in October 2019 and was turned over to the using agency in June 2020.

OMN, Well Head and Valve Box, Chinhae

This \$63,000 Job Order Contract (JOC) was awarded on May 21, 2020 to replace the existing valve boxes and waterlines for four wells in Chinhae Naval Base in Korea. This project was a joint effort between FED Geotech Branch and the contractor. The replacement of well heads was completed by FED's In-House Geotech Branch. The contractor's scope of work included demolition of existing valve pits and installation of new valve pits with new drain lines and sump pumps. The Contract Required Completion Date (CCD) is April 2021, however the contractor is on track to complete the project two full months ahead of schedule.

Replace Environmental Control Systems B-684, Camp Carroll

This \$1.3 million project is to replace the environmental systems of B-684, Camp Carroll, Korea, and was broken down into three phases. This includes the replacement of heating and air conditioning system as well as humidity control systems in the lab portions of the building. Work also included the demolition of interior walls to combine multiple rooms into a single



Building 606 and 711 Humidity Problems, Chinhae



Well Head and Valve Box, Chinhae

room and the removal of partitions to combine rooms 138 and 139 into one room. The project also includes replacement of the ceiling and electrical system and includes provisions for radiation shielding using 24-inch thick concrete walls in the calibration room. Construction started in September 2018 with Phase I turned over in July 2019 and Phase 2 turned over in November 2019. Phase 3 was completed in March 2020.

Renovate Building 233 to New Post Office, Camp Carroll

Renovation of Building 233 to house the Post Office and Logistics Support Area (LSA) storage located at Camp Carroll. The one-story 13,000 square feet (SF) facility will be converted to a Post Office (7,000 SF) and Logistics Support Area storage (6,000 SF).



Renovation of Building 1685, Camp Henry

The scope of work includes, but not limited to, loading docks, building accessibility, and provision of a loading dock. There is an existing steam boiler in the mechanical room that provides hot water to Bldg. 233 and three adjacent barracks. This project will replace the existing steam boiler with new hot water heater system of the same capacity. The project was awarded in September 2020 and is scheduled to be completed in September 2021.

OMA, Renovation of Building 1685, Camp Henry

This project was awarded on Sept. 24, 2020. The scope of work is to upgrade architectural, electrical, mechanical, fire protection, telecommunication, and the exterior underground utility system for the two-story building. The current construction cost is about \$4.1 million. The current Construction Completion Date (CCD) is Feb. 2, 2022.

OMA, Correct Fire Deficiencies, Camp Carroll

This project was awarded on Sept. 29, 2018. The scope of work was to correct the existing fire protection system deficiencies at 27 buildings in Camp Carroll. The contractor replaced the existing panel, conduit, wire, detector, valve, sprinkler with new ones. The total construction cost was about \$1.9 million. The project was turned over to the using agency on August 2020.

OMAF, Repair Building 3571 and 3605, Daegu Air Base

This project was awarded on Dec. 31, 2018. The scope of work is to repair architectural, structural, electrical, mechanical, fire protection, telecommunication, and the exterior underground utility system for Bldg. 3571 and 3605 at Daegu Air Base. Total construction cost is about \$3 million. The Construction Comple-



tion Date (CCD) is Feb. 25, 2021 and is currently at 90 percent completion .

OMA, Renovate Break Rooms and Latrines at Building 607, 818 and 821, Camp Carroll

This Job order Contract (JOC) project was awarded on Sept. 24, 2018. The scope of work was to renovate architectural, electrical, mechanical, fire protection, telecommunication, and the exterior underground sewer system for the existing 3 buildings. The total construction cost was about \$1.5 million including the cost for four construction modifications which extended the original Construction Completion Date (CCD) of Oct. 3, 2019 to Sept. 30, 2020. The project was turned over to the using agency on time.

Upgrade Fire Protection System, FRED

This project is to replace the existing fire protection, fire alarm, and mass notification systems for Building 1020 (Company HQ Building) and Building 1030 (Vehicle Maintenance Building). Work includes removal of the existing fire suppression system, as well as the installation of a new fire pump system to provide the required flow and volume of fire water. The project also includes supporting electrical system upgrades and connections to provide



Upgrade Fire Protection System



Breakroom at Building 607, Camp Carroll

a complete and functional fire protection and alarm/notification system which meets U.S. life safety code requirements. The project construction is scheduled to complete in April 2021.

Remove Condensation at the Basement of AFH#2, Camp Walker

The project scope of work is to install new dehumidifiers (4 each) and insulate the drainpipe line to resolve condensation problems at the basement of Army Family Housing #2. The construction contract was awarded in September 2020 and completed in December 2020, 4 months ahead of schedule.

Commissary Roof Replacement, Camp Walker

This \$1.5 million Job Order Contract (JOC) is to replace the existing Korean tile roof with a standing seam metal roof



and the existing metal roofing portion will be replaced with a new Ethylene Propylene Diene Monomer (EPDM) system. This work is to address multiple leaks that are currently allowing water into the Camp Walker Commissary. The project was awarded in July 2020 and is scheduled to be completed in March 2022.

Golf Pro Shop Renovation, Camp Walker

This project is a \$1.1 million upgrade to the golf shop at the Evergreen club. This is a Non-appropriated funds (NAF) funded construction project. Camp Walker’s golf course is one of its main attractions and the club will provide users more space while also improving Daegu’s morale, welfare, and recreation activities. The renovation includes Golf Pro shop enlargement, construction of administrative space, vestibules, restrooms locker rooms, and shower facilities. Construction started in March 2020 and completed in March 2021.

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

This project is a \$3.6 million upgrade to the Camp Walker sewer system. This host-nation funded project is to replace undersized and under capacity sewer piping. The scope of work



Repair/Replace Sewer Piping System, Camp Walker

includes new sewage lift stations, sewer manholes, asphalt pavement, and sodding, while also demolishing old lines and septic tanks. The project also includes a connection point to the city of Daegu’s wastewater treatment plant. The project’s construction started in May 2020 and is scheduled to complete in December 2021.

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

This \$37.7 million project on Camp Carroll is an upgrade of the electrical distribution system including underground primary and secondary electrical lines, ducts, manholes, hand-holes, pad mounted transformers, pad mounted switchgear, pad mounted junction, other associated hardware, and testing and connection of all new feeders to a new 22.9 KV switching station. The scope of work also includes converting the overhead CATV lines to underground. The upgrade is required to provide an adequate electrical distribution system for continued support to existing facilities and future expansion as the existing system is obsolete. The project was awarded in May 2020 and is scheduled to be completed in January 2023.

Upgrade Fire Alarm Systems at Collocated Operating Air Bases, Korea

This project is a \$2.4 million replacement of obsolete fire alarm transceiver antenna systems and panels. This project replaced 74 facility systems at Daegu AB, 35 facility systems at Gwangju AB, 31 facility systems at Suwon AB, and 22 facility systems at Gimhae AB. Construction started in June 2020 and was completed February 2021. This project is an improvement of the 607th MMS co-located operating bases, which support reception and bed-down of off-peninsula units.



Upgrade Electrical System, Phase II

Kunsan Air Base Projects

CY18 ROKFC-in-Kind, Construct Airfield Damage Repair Warehouse

This project is the first of several Airfield Damage Repair (ADR) Warehouses being built by the Far East District, with ADR warehouses at Osan, Suwon, Gwangju, and Gimhae, scheduled to begin late 2021. The scope consists of an open-bay warehouse, a Hazardous Waste Accumulation shed, and a fenced-in material handling and container/cargo yard. The project was completed at a cost of \$6.4 million.

Completed and accepted by the Air Force in November 2020, this facility will eliminate deterioration (due to weather and other causes) of valuable War Readiness Material (WRM) assets, which are crucial for air mission execution in the event the airfield incurs damage. Rapid Airfield Damage Repair (RADR) is a modernized process by which Airmen repair or replace damaged pavements in a matter of hours. By comparison, traditional repair methods can take 7 to 28 days due to concrete setting time. This completed warehouse will strengthen the 8th Fighter

Wing’s core capabilities in RADR and airfield facility management, allowing them to sustain a high operational tempo during both war and peace time.

CY15 ROKFC-in-Kind, Construct 3rd Generation HAS, Phase 1-3

The scope of this contract is to construct twenty 3rd Generation Hardened Aircraft Shelters (HAS) on the southeast side of Kunsan Air Base. This



Hardened Aircraft Shelters (HAS), Phase 1-3

project is comprised of three design packages that were completed and consolidated for award as a single construction contract, thus requiring an unusually large project team and substantial budgeting and manpower requirements. Key to success were the utilization of Subject Matter Experts (SMEs) outside of FED, which include the Transportation Systems Center (Omaha District) and Air Force Installation and Mission Support Center (IMSC). This contract was awarded in March 2016 and completed in May 2020 at a contract amount of \$126.1 million.

These new facilities will eventually replace the outdated 1st Generation shelters, which require major upgrades to make them functionally adequate to protect combat assets and maintain combat fighters aircraft. They will also accommodate larger aircraft such as F-15, A-10, and F-35, which do not fit in the current shelters with proper wing tip clearances. This project represents the first major step in a total 9-phase long-term plan to upgrade Kunsan's aircraft maintenance shelters and provide safe working conditions for Airmen tasked with maintaining the 8th Fighter Wing's fighter jets.



Rendering of Airfield Damage Repair (ADR) Warehouse



Airfield Damage Repair (ADR) Warehouse

CY18 ROKFC-in-Kind, Construct 3rd Generation HAS, Phase 4-6

In March 2019, a \$102.3 million contract was awarded to Hyundai Engineering Co. for the construction of 18 3rd Generation Hardened Aircraft Shelters. This project is similar in scope and complexity to the Phase 1, 2, 3 project that was completed, and includes demolition of many of the existing, outdated first-generation aircraft shelters.

While Phase 1, 2, 3 was constructed on undeveloped land, Phase 4, 5, 6 will be constructed on the footprint of existing facilities, thus requiring close construction coordination with local airfield management and Wing Safety. During the 2020 calendar year, existing facilities were demolished, and foundation work was completed, including pile 18 shelters. Vertical construction of the Hardened Aircraft Shelters will commence in spring of 2021.



Hardened Aircraft Shelters (HAS), Phase 4-6



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

This \$16.8 million project was awarded to Samil Enterprise Co. on 13 Feb. 13, 2020. The project scope consists of two 5,000 barrel “cut and cover” fuel tanks with 1,800 Gallons per minute (GPM) pumphouses on top of each tank and a Filter Building. In layman’s terms, a Type IV hydrant fuel system allows for hot-pit refueling to aircrafts by means of underground fuel pipes, while the aircrafts are parked in covered “flow-through shelters.” Pantographs, which are a series of pipes joined by flexible joints, are used to connect fueling equipment to the aircraft.

During the 2020 calendar year, all existing facilities were demolished. Upon completion of ground improvement, fuel tank fabrication, pipe installation, and construction of the pumphouses will begin in mid-2021. Key to this project’s success is close coordination with the contractor, Defense Logistics Agency (DLA), Architect-Engineer contractor, USACE Petroleum, Oil, and Lubricants Mandatory Center of Expertise (POL-MCX), and the Air Force

IMSC (installation’s technical representative). The POL-MCX and Air Force IMSC will provide additional inspections and construction support to the Kunsan Resident Office team at key milestones in the project.

SRM, Job Order Contract (JOC)

Various task orders were executed under the Korea-wide Job Order Contract for Sustainment, Restoration, and Mod-

ernization (SRM). One of the task orders completed in May 2020 was conversion of a portion of the Community Activity Center to accommodate the new Operation BOLO Innovation Lab. “BOLO,” which stands for “Be On the Lookout for Opportunity,” is an initiative within the 8th Fighter Wing to develop new ideas to improve the Wing’s work centers and career fields. Although small in dollar value, this is a big initiative across the Air Force that will facilitate new ideas, processes, and better ways of doing things for all Airmen.



Upgrade Flow-Through Fuel System (Wolf Pack)

Engineering Division

Cost Engineering Branch

In FY20, Cost Engineering Branch completed 13 Independent Government Estimates (IGEs) for Military Construction/Host Nation funded projects including Military Construction Army (MCA), Military Construction Airforce (MCAF), Operations and Maintenances Army (OMA), Operation and Maintenances Airforce (OMAF), Indefinite Delivery Indefinite Quantity (IDIQ) Job Order Contracts (JOCs) , and Republic of Korea Funded Constructions (ROKFC)/Yongsan Relocation Program (YRP) projects peninsula-wide totaling more than \$130 million dollars. In addition to IGEs for new projects, the branch completed 52 IGEs for Job Order Contracts (JOC) Task Orders and Basic Change Documents (BCD) as well as reviewed 154 Current Working Estimates (CWE) prepared by Architecture and Engineering (AE) firms. Also, the following six major In-House projects have had fully developed estimates by Cost Engineering Branch:

1. 90% and 95% CWE for UEH100A with PA \$154 million - USAG Humphreys
2. 30% CWE for Munitions Storage Area Delta Phase 1 with PA \$71 million – Osan Air Base
3. 30% CWE for Munitions Storage Area Delta Phase 2 with PA \$154 million – Osan Air Base
4. 30% and 90% CWE for Attack Reconnaissance Battalion (ARB) Hangar with PA \$123 million - USAG Humphreys
5. 100% CWE for AV062-Remain Works with PA \$11 million – USAG Humphreys
6. 90% CWE for H-805 ACP-Canopy-Existing Material Conflict – Camp Walker

Cost Engineering Branch completed 29 IGEs for the AE design IDIQ contract to assist in awarding AE task orders. Cost Engineering is involved in all the meetings and site visits with the AE contractors and is assisting with the negotiations.

Cost Engineering Branch provides support by using the Corps of Engineers Micro-Computer Aided Cost Estimating System Second Generation (MII) estimating software, Excel format for US funded projects and Host Nation projects such as ROKFC projects and Sensitive Compartmented Information Facility (SCIF) projects. As well as the Korean Estimating Management System (EMS) software used for estimating Host Nation funded projects such as ROKFC-in-kind projects.

Rendering of AV062 Aircraft Parking and Taxi lane, USAG Humphreys

Cost Engineering Branch uses the updates to the approved material list database of Korean materials provided by the Specification Section in Design Branch, which identifies materials approved for use on U.S. funded projects and ROKFC-in-kind projects in Korea.

The JOC Unit Price Book (UPB) for Korea wide Army and Air Force JOC IDIQ contracts in FY20 were updated and new items were added to the current UPB as well as the new UPB that is currently in development at the request of the contracting division.

Cost Engineering Branch has continued to support Construction Division construction modifications by preparing IGEs and assisting with negotiations as requested.

This workload is expected to continue and possibly increase for FY21 and future years once the Special Measures Agreement (SMA) is signed.

Design Branch

The Design Branch (EDD) provides the full scope of design on projects by delivering dependable and state-of-the-art engineering solutions for the lifecycle of projects. EDD supports the District’s mission by providing technical resources and delivering reliable and innovative engineering solutions throughout the duration of projects. The Design Branch consists of 45 total employees made up of architects, engineers, engineering technicians, specification writers, and administrative assistants. Military Construction Project efforts include: Planning and 1391 Development; 15 percent Parametric Designs; and 100 percent Design Services. Structural Assessments include: Structural Integrity Surveys; Load Bearing Wall Analysis; Bridge Assessments; and Specialty Projects such as Hospital rooftop helipad analysis.

During the year EDD had a change in leadership and several new people joined the Branch. The Chief of the Design Branch, Chris Caywood, left FED in mid-November. His position is being temporarily filled by Anthony Korves, Chief of the Civil/Stuctural Design Section. Young C. Jung accepted a temporary promotion to fill the position of Chief of the Civil/

Structural Design Section.

Other personnel changes include two new architects: Tina Kim and Chang Jung-yun; a new electrical engineer: Kye Hyun-kyung; and a new mechanical engineer: Park J-won.

Projects completed include: five 1391s for the Yongsan Residual, one of which is planned for a full 100 percent in-house design; the completion of the 100 percent design for three Unaccompanied Enlisted Housing towers (UEH100A) that are to be constructed at Camp Humphreys; the 100 percent design of an Access Control Point for Camp Walker in Daegu; along with several structural assessments and helicopter landing pad assessments. The branch has made significant progress on two ongoing designs: an Aerial Reconnaissance Battalion Hangar project that will be 100 percent design complete by April of 2021; and two phases of Munitions Storage Areas at Osan Air Base with a planned 100 percent design completion in October 2021. The FRED project near Camp Carroll will be completed in March of 2021.

One of ED’s lead architects, Pak Chi-ung, was selected as the Engineering Division’s 2020 Employee of the Year.

Geotechnical and Environmental Engineering

Fiscal year (FY) 2020 was a continuously challenging period as the Geotechnical and Environmental Branch (EDG) had to adjust their workload due to COVID-19 and the delay of the Special Measures Agreement (SMA) with Republic of Korea. The Branch provided excellent, high-quality work that resulted in the completion of 185 geotechnical, environmental, groundwater resource, geospatial, and laboratory/field testing projects, investigations, reports, and supports, with a final balanced operating budget of approximately \$7.05 million.

In FY20, EDG was led by: Sarah Woo (Chief, Geotechnical and Environmental Branch), Sun H. Lee (Chief, Geotechnical Section), Bryson Twidwell

(Chief, Environmental Section), Pak Song-hyon (Chief, Geology and Hydrology Section), Dr. Pak Chun-pom (Chief, Geomatics and Support Section), Yun Yong-han (Chief, Materials Testing Lab), Kim Kyong-ho (Lead Chemist, Environmental Testing Lab).

The Data Management Section changed its organization name to Geomatics and Support Section as of Oct. 11, 2019. There were several significant personnel changes for Geomatics and Support Section. Yi Min-u promoted from KGS-11 Geologist to KGS-12 Geologist and Ko Son-a promoted from KGS-9 Engineering Technician to KGS-11 Program Analyst. Chong Jin-ho, Cartographic Technician left to take a job

with Design Branch in March 2020. Lim Suk-chan was newly hired as Cartographic Technician in July 2020.

In the Geology and Hydrology Section, Yi Song-pok and Kwon Ku-hyon were promoted to KGS-12 Geologists, who lead exploration drill team and water well team respectively. Pak Ki-hong was promoted to KWB-7 Plumber Leader position on the water well team. Pak Song-hyon (Chief of Geology and Hydrology Section) was promoted to KGS-13. Two employees, Yi Chong-kak and Yim Tok-nung retired during the October–November 2020 period after 35-years of service on the water well team and 24-years on the exploration team, respectively. Hur June was hired

into an one-year temporary Driver Heavy and Special Equipment position in November 2020 for the exploration drill team.

In the Environmental Section (EDG-E), Twidwell left the District in December 2020 and a new section chief was hired. The new section chief will join FED in March 2021. Novotny joined EDG-E in July 2020 and Lee Seung-min was hired in January 2021 as a permanent environmental engineer.

The Geotechnical Section (EDG-G) prepared 18 geotechnical design and analysis reports to evaluate the physical and engineering properties of the subsurface materials, and provide geotechnical engineering requirements for the project structures of ROCKFC-in-Kind and USFK projects. In addition, 14 construction support projects, which include construction surveillance as an authorized representative of indicator pile driving, construction Request for Information (RFI) reviews, construction recommendations, settlement monitoring installation inspection, and report reviews were performed. For USFK projects, Geotechnical engineers performed roles as contracting officer Quality As-

surance (QA) of the test pile program, which included Pile Driving Analyzer (PDA) tests, static load tests, lateral load tests, and pullout tests. The Materials Testing Laboratory (MTL) of Geotechnical Section performed 16 inspections of concrete and asphalt batch plants and 20 Quality Check (QC) laboratory inspections for a wide range of projects at USAG Humphreys, Camp Walker, Osan AB, Camp Carroll and Kunsan AB. It is critical for the contractor to be provided quality concrete, asphalt, and testing services during construction. During the year, 10 field QA supports related to soil and concrete were completed at USAG Humphreys, Osan AB, Camp Carroll and Camp Mujuk. MTL also supported 19 projects providing the Geotechnical designers with test results of soil properties through soil classification and consolidation, and CBR tests.

The Environmental Section (EDG-E) performed 38 various in-house and contract projects in FY 2020. EDG-E in-house staff performed asbestos surveys for roughly 200 buildings at USFK installations. The projects identified five asbestos-containing building materials (ACBM) in preparation for subsequent demolition and renovation activities. The asbestos survey consists of field investigations, destructive sampling to determine ACBM quantities, laboratory testing of representative bulk samples, and preparation of an asbestos survey

report. Field investigations were conducted by Asbestos Hazard Emergency Response Act (AHERA)-certified inspectors in EDG-E. The survey reports will be used by the installations for follow-on asbestos abatement actions as appropriate for building renovations or demolition.

Other FY20 Environmental Projects were various types of environmental compliance plan updates: Hazardous Waste (HW) Management Plan Update for Commander Fleet Activities Chinhae; Spill Prevention and Response Plan Update for CFA Chinhae, Osan Air Base, and USAG Yongsan-Casey; Potable Water System Master Plan Update; Asbestos Management Plan Update for USAG Yongsan-Casey; Cross Connection Control and Backflow Prevention plan; and Stormwater Pollution Prevention Plan for Camp Mujuk. Other environmental survey and study projects were Lead-based Paint survey, Hazardous Waste Sampling and Analysis, Water Well Feasibility Study, and Alternate Groundwater Source Study. EDG-E has 5 Environmental Indefinite Delivery, Indefinite Quantity (IDIQ) Contractors to support various environmental engineering projects. Some notable contract projects in FY20 were: Hexavalent Chromium clean-up for hangers on USAG Humphreys; Hazardous Waste Management Support Services; Integrated natural Resources Management



Plan Update; Emergency Spill Clean-up; Trial Trenching Survey for Cultural Resources; Landform Operation and Maintenance.

The Geomatics and Support Section (EDG-D) supported the Branch, District, and customer organizations by providing topographic survey, expert geospatial data analyses and products, sharing geospatial data, promoting database standards, and managing the District Geographic Information System (GIS). By partnering with USFK, DPWs, USAF 8th, 51st CES, MARFORK, MND and DIA, the Section conducted topographic surveys for 41 projects in support of the Division's Design Branch and A/E firms as well as completing joint US-ROK installation boundary surveys for two USFK installations: Kunsan Air Base North ACP and Yongsan Residual. Some project examples were: Fuel Fire Hydrant System at Kunsan Air Base, Expeditionary Dining Facility at Camp Muijuk, and Water Distribution System at Gwangju Air Base and Gimhae Air Base. The Section conducted construction quality surveillance at various project sites at USAG Humphreys and Kunsan Air Base to verify final grades and validate completion of ground settlement prior to facility construction. The Section provided services for Environmental GIS database collection for storm sewer system at Camp Muijuk, and a review of GIS

dataset for natural resources at USAG Carroll. The Section was responsible for reviewing all District Computer-Aided Design (CAD) drawing products and construction as-built CAD drawings for compliance with required geospatial & A/E/C CAD standards. Essential geospatial support was provided for Branch project execution by ensuring that the Branch GIS was kept up to date with acquired project data and imagery, and by supporting installation of the latest version of GIS software to the Branch users.

The Geology and Hydrology Section (EDG-H) conducted subsurface exploration and geologic field investigations supporting the District's military design and construction program. In FY20, the Section completed a total of 159 borings for 17 geotechnical and environmental site investigation projects at seven USFK installations to include: CY17 ROKFC-in-Kind, F15R680 Construct Korea Air Operations Center, Osan AB; PN 94517 Army Lodging Facility, Camp Walker; ROKFC-in-Kind, Stormwater Pumps, Camp Humphreys; CY21 ROKFC-in-Kind A20R500 Attack Reconnaissance Battalion Hangar (AV061), Camp Humphreys; DODDS040A11R925 Elementary School, Camp Humphreys; Relocate Spiral Antenna Tower (Maritime Operation Center), Busan; VA-200075, Improve the western site of Adams gate

for Soil Remediation (Land farm area), Camp Humphreys; East Campus Fitness Center, Osan AB; VA90211 Repair Anjeong-ri Main Entrance Gate, Camp Humphreys. This Section also provided services for developing groundwater resources and maintaining water supply wells in various USFK installations. Water well services during FY20 period included preventive well maintenance for 120 water wells and 43 instances of emergency well repair maintenance, providing clean potable water for facilities use, at 20 installations within USAG Yongsan-Casey, USAG Humphreys, USAG Daegu, and CFA Chinhae. The water well team also conducted wellhead and pump upgrade for the well #5 at FOS Carroll, drilled two exploratory water wells at Osan AB for contingency water supply study project, upgraded wellheads of four wells at CFAC, and decommissioned four water wells not in use at Camps Casey and Hovey. In FY20, the water well team received a new water well drill rig (WWDR). This was the first Korean-made WWDR utilizing Labor Cost Sharing (LCS) funds from Republic of Korea. During October 2020, FED performed final inspection and accepted the new WWDR. Water well drilling capability is essential for FED to perform the critical missions of groundwater investigation and water well development, supporting USFK in both armistice and contingency situations.

awarded over 237 A-E design contracts, including modifications, at a value of \$29 million as stand-alone contracts or task orders against an Indefinite Delivery Contract (IDC). As the new pre-award section formed, DMs remained directly involved in the pre-award phase by negotiating and awarding task orders in addition to their post-award duties which included design contracting officer (COR), coordination of construction RFI responses, and provision of technical support. David Schlesinger, Won Park, John Lee, and Danny Chung successfully negotiated and supported an FED priority A-E contract supporting the three Combined Forces Command (CFC) relocation projects at USAG Humphreys within a short performance period. Throughout the year, the section supports numerous other A-E efforts such as Interim/Final/Addendum Contractor Performance Assessment Reporting System (CPARS), the AERRB, COR duties through construction, Contract Completion/Close out, Progress/Final Payments, and Technical Lead for projects.

The Technical Review Section (EDT-T) remained steady and committed to focusing on compliance with applicable criteria and DOD regulations to meet customers' needs consistent with law, code, public policy, and sound engineering principles and judgments for projects across the entire peninsula. The EDT-

T section chief, Robin Inaba, departed to join FED PPMD as a Project Manager, and David Thomas was recruited from NAVFAC in San Diego as the new permanent section chief. While small in numbers, with one architect, four engineers, one engineering technician, and a section chief, the section executed a massive workload for FED. Among other responsibilities, the EDT-T also reviewed RFIs and contract modifications, rendered determinations on design deficiencies discovered during construction, provided technical support for the AERRB, participated in Value Engineering workshops, and provided design revalidation reports to begin re-preparing delayed and outdated project designs for construction award.

The A-E Services Section (EDT-A) was created as part of the recent reorganization of the branch and is led by David Schlesinger. The section conducts A-E selections and negotiations of A-E contracting actions in conformance with the Brooks Act. The outcome of the reorganization will streamline the A-E contract selection and award processes (with four engineers, one engineering technician, and a section chief) and allow the EDT-D design managers the necessary bandwidth to effectively perform their COR duties during design, after the A-E contracts are awarded.

Counsel

Far East District Office of Counsel supported the District's missions and its customers during the year completing 207 legal reviews of pre- and post-award acquisition actions with a total value of over \$1 billion, to include Yongsan Relocation Plan, Republic of Korea Funded In-Kind program, Military Construction, and Sustainment, Restoration and Modernization projects; contract and task order solicitations and awards; option exercises; modifications; Architect-Engineer (A-E) design awards; and contract terminations. Among its many activities, Counsel supported the District's latest round of prequalification of construction contractors; assisted with solicitation of a new A-E design services Multiple Award Task Order Contract (MATOC), and award of a new A-E design services Single Award Task Order Contract (SATOC); and assisted with award of a new construction security monitoring services contract for use in conjunction with the District's secure facilities contracts.

Office of Counsel had a busy litigation year. It defended against one Government Accountability Office protest,

B-419067, by Yibon Const. Co., Ltd., obtaining a dismissal of the protest. It continued to prosecute the Government's defense against contract claims by ECC International, LLC under ASBCA Appeal Nos. 61176 and 62029, arising out of Contract No. W912UM-12-C-0058, Construction of the 501st Brigade HQ Complex Administration Building, USAG Humphreys, Korea (\$1.35 million total claimed); and by Hwasan Engineering and Construction Co., Ltd., under Appeal Nos. 62013, 62077 and 62277, arising out of Contract W912UM-17-C-0043, FY17 MILCON, PN81428 Family Housing New Construction, Camp Walker, Korea, which sought 2,265,645,494 Republic of Korea Won (approximately \$2.04 million). Counsel also actively supported the District's A-E Responsibility Review Board's processing several affirmative claims against A-E contractors, with potential liability of over \$6 million.

Coordination of procurement fraud remedies remained a significant Counsel activity during 2020. Counsel's support to the U.S. Department of Justice in its

criminal and civil prosecution of SK Engineering and Construction Co., Ltd., for bribing U.S. and Korean officials to obtain a lucrative contract and task order under the Yongsan Relocation Plan program, culminated in March with the firm's guilty plea in U.S. Federal District court and its agreement to pay \$5.2 million in civil and criminal fines to the United States and \$2.6 million in restitution to the U.S. and Korean governments. Later in the year, Counsel obtained a 3-year debarment against a Korean manufacturing company that was using a shell company to evade earlier debarment sanctions. The firm was accused of supplying defective hot water heaters and heating boilers to U.S. and Korean government contractors, constructing projects for U.S. Forces in Korea.

In February, Counsel welcomed new Assistant Counsel, SoCheung Lee, who came to the Far East District from a position within DoD in Northern Virginia. In December, Assistant Counsel, Steven Finch joined the Office from his former position in the Vicksburg District Office of Counsel.

Technical Review Branch

The Technical Review Branch (EDT) manages the quality of designs and provides oversight to safeguard U.S. codes and regulations and users' facility requirements throughout the project lifecycle for the Far East District. EDT supports the District's mission by providing technical resources and delivering reliable and innovative engineering solutions throughout the duration of the projects. The branch also leads and coordinates the Architecture-Engineering (A-E) Review and Responsibility Board (AERRB) which evaluates high dollar damages to the government as a result of design deficiencies. This effort is a collaboration between Office of Counsel, PPMD, Construction Services Branch, and Construction Division Resident Offices.

Despite a year of changes in leadership, personnel, and organizational structure, the branch continued to execute the challenging A-E design mission for FED. After several interim assignments, the EDT branch chief position was filled permanently by Nick Kaechler from the Fort Worth District in December. The Technical Review Section (EDT-T) also included

multiple interim section chief assignments, which was filled permanently by David Thomas from Naval Facilities Engineering Command (NAVFAC) in San Diego. The Design Management Sections (EDT-A and EDT-B), combined into one Design Management Section (EDT-D), led by Choe Kwang-kyu. Lastly, the A-E Services Section (EDT-A) formed late in the year and is led by David Schlesinger.

The Design Management Section (EDT-D) continued to effectively deliver FED pre-award, post-award, and construction support for designs. Three Design Managers departed the section in 2020: John Lee returned to U.S., Nathan Henshaw moved to Construction Division, and Todd Hill moved to Directory of Public Works (DPW) at Area I and II. Four individuals joined the section in 2020: Insung Park, Bill Fitzgerald, Minhwan Yang, and Sunhwa Lee. Each individual Design Manager (DM), as A-E contract negotiator, successfully overcame challenges to negotiate and award all A-E contracts on-time through support from the section's lead A-E negotiator. EDT-D negotiated and

Contracting

The Far East District Contracting Division unifies the United States Forces Korea (USFK) mission with the local Korean community and American businesses to provide planning, engineering, design, and construction management services across the full spectrum of peace and wartime operations. We are in direct support of USFK in Armistice and contingency operations in order to provide quality deliverables throughout the peninsula.

\$90 Million Construction Security Monitoring (CSM) Single Award Task Order, Host Nation Construction Funds

This \$25 million Architect Engineering Single Award Task Order was awarded to EXP Federal on May 2020. The scope of this procurement is to cover USFK, United States Department of State, and DoD facilities within the Republic of Korea (ROK). Facilities or structures that may be the subject of design or planning services include training and operations structures, administrative buildings, unaccompanied and accompanied family military housing, dining facilities, hospitals, medical/dental clinics, communications facilities, fuel storage and dispensing facilities, religious and family facilities, athletic facilities such as gymnasiums and multiple-purpose sports fields, airfield structures and pavements, and utility systems including communications, power, water, gas, and water supply and sanitary sewers. Blast hardening, collective protection system (CPS) and chemical-biological-radiological (CBR) protection may be required for some facilities. Sustainable Design, Leadership in Environmental Engineering and Design (LEED) and Energy Policy Act 2005 requirements will be required for all facilities.

\$25 Million Architect Engineering Single Award Task Order, Host Nation and ROKFC-in-Kind

This \$25 million Architect Engineering Single Award Task Order was awarded to EXP Federal on May 2020. The scope of this procurement is to cover USFK, United States Department of State, and DoD facilities within the Republic of Korea. Facilities or structures that may be the subject of design or planning services include training and operations structures, administrative buildings, unaccompanied and accompanied family military housing, dining facilities, hospitals, medical/dental clinics, communications facilities, fuel storage and dispensing facilities, religious and family facilities, athletic facilities such as gymnasiums and multiple-purpose sports fields, airfield structures and pavements, and utility systems including communications,

power, water, gas, and water supply and sanitary sewers. Blast hardening, collective protection system (CPS) and chemical-biological-radiological (CBR) protection may be required for some facilities. Sustainable Design, Leadership in Environmental Engineering and Design (LEED) and Energy Policy Act 2005 requirements will be required for all facilities.

Department of Defense Education Activity Total Maintenance Contract, (DoDEA) Non-Expiring Funds

Awarded to Handuk Iron-Mine Construction Co. Ltd. on August 2020, this requirement provides the Department of Defense Education Activity (DoDEA) comprehensive maintenance services to nine DoDEA schools throughout the peninsula. Maintenance services includes Original Equipment Manufacturer (OEM) preventative maintenance (PM), and on-demand (defined as either repairs or emergency repairs) repair services, and inspections. Repair work may include but is not limited to carpentry, masonry, painting, plumbing, electrical, heating, ventilation and air conditioning, fire protection, metal work and roofing.

Combined Forces Command (CFC) Contract Set valued at \$2.3 Million, CFC Relocation Funds

Awarded December 2019 to Tetra-Tech using three task orders, this requirement is for architect design to develop and reconfigure a campus of buildings within Camp Humphreys for the Combined Forces Command (CFC). This requirement began the process of relocating the CFC headquarters from the Seoul office to Camp Humphreys to allow for total integration and synchronization of the US-ROK military operations. The CFC headquarters relocation to Camp Humphreys will support the expeditions conditions-based transfer of wartime operational control (OPCON) of the ROK and U.S. Forces on the peninsula under the command of the ROK Four Star Commander.

Resource Management

We have come a long way since last year’s article. COVID started last year, but who would have guessed what we’ve seen over the past year? It’s not hard to say, “Goodbye to 2020!!!”, but COVID is not listening. Although COVID is still impacting the world, here at the FED Resource Management Office (RM), the Budget/Manpower and Finance & Accounting Branches are working hard, providing outstanding customer service to the District, and helping to streamline processes.

The office started and ended 2020 with several personnel changes but that did not stop the office from functioning. In July 2020, Steven Daugherty, FED’s RM was selected as the new Business Resource Division Chief (RM) for Lakes and Rivers Division. He left FED in September 2020 for his new position. Then, in late September 2020, Madine Sadaoka, Finance and Accounting Officer at the Pacific Ocean Division came and served as the FED Acting RM through November 2020. In January 2021, Karen Farmer, Chief of RM for the Alaska District joined FED to serve as the Acting RM until April 2021. Rena (RC) Douglas also joined FED in November 2020, as the District’s new Finance and Accounting Officer. She joined FED from the Fort Worth District. Meanwhile, Angel Neal continued to serve as the District’s Budget Officer. Throughout all these changes, the incredible RM civilian and local national staff kept the mission going.

The RM team took on a multitude of unique challenges brought on by the pandemic. With COVID, payroll, training, travel, and PCS moves became much more complicated. These dramatic changes led to substantial reductions to how the District executed its overhead

budget – particularly in the training and travel lines. There were also substantial changes to how and when employees were taking leave. With COVID, it was noted employees were delaying leave usage since it became much more difficult to take leave outside the local area. Additionally, 14-day quarantines became mandatory to ensure personnel entering South Korea met ever evolving COVID testing and quarantining requirements.

Prior to COVID, telework was not much of a consideration OCONUS. In noticeably short order, the District mastered use of maximum telework. Daily tasks are being performed professionally, accurately, and timely in a virtual environment. We closed Fiscal Year (FY) 2020 year-end on time and within metrics.

There have been changes made to the Joint Review Process (JRP). Some remarks have been uploaded to the updated Corps of Engineers Financial Management System (CEFMS) II portal, which has helped to streamline the process. Additional remarks can be created/uploaded, so that the technical reviewer has options. Reviewers can choose from the pick list and fill in the blanks as it pertains to each line of the Unliquidated Orders (ULO) Review process.

Time & Attendance can also be entered directly by all employees in CEFMS II, to include requesting annual leave, sick leave, or overtime. The Travel Module has also undergone changes to make requesting and approving travel orders and filing travel vouchers easier.

At the enterprise level, we continue to work with our Finance Center, Division, and higher Headquarters (HQ) to make ongoing improvements to the CEFMS II module. We presently have

representation on the HQs Budget Module PDT to implement long overdue improvements to how we prepare budgets, set overhead rates, and make projections.

Despite the pandemic, the District executed over \$330 million in workload and income during FY20. We also onboarded 78 new employees with a net gain of 7 civilians and 21 Korean Nationals for the FY.

FY2020 Gains and Losses			
	Gains	Losses	Net
DA Civilians	45	38	7
Korean Nationals	33	12	21
Total	78	50	28

Once our new employees, who are also new to South Korea, fulfill their 14-day quarantine requirement, they are off to work. We are continuously working to help our customers with Permanent Change of Station and onboarding processes daily. Overall, the District executed 455 full-time equivalents (FTEs) for the year – its highest level of FTE use in over three years.

Despite all that is going on with COVID, RM has not missed a beat. We are committed to providing world class customer service to the District, supporting our internal/external customers, and providing timely information and support on all financial management topics. During 2020, the RM team has demonstrated untarnished capability in a mostly virtual workplace.



US Army Corps
Of Engineer®
Far East District

DISTRICT OFFICES



Central Resident Office



FED HQ



Pyeongtaek Resident Office



Family Housing Resident Office



Security Operations Resident Office

Humphreys Area Office



Kunsan Resident Office



Southern Resident Office



Busan Project Office