

Year in Review

2017



US Army Corps
of Engineers®
Far East District

Building Strong in Korea!



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2017: Year in Review

04
Korea Relocation Program Update

05
Active Project List

12
Humphreys Projects
Construction Surveillance Resident Office
Family Housing Resident Office
Medical Resident Office
Pyeongtaek Resident Office



41
Osan Air Base Projects

50
Area IV Projects

54
Kunsan Air Base Projects

58
Engineering Division

62
Contracting

63
Resource Management



**US Army Corps of Engineers®
Far East District**

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From the Far East District Commander To Our Valued Stakeholders:



**Teresa A. Schlosser
Colonel, U.S. Army
Commanding**

This annual Year-in-Review is provided to you, our customers and stakeholders, to highlight the many significant projects that have either begun, continue or were completed during 2017. We achieved the accomplishments described below thanks to the efforts of the Far East District's focused professionals, delivering quality through engineering excellence and driven to exceed expectations. We did not achieve this alone, however. We succeeded through close coordination with our partners in the Ministry of National Defense-U.S. Forces Korea Relocation Office, Ministry of National Defense-Defense Intelligence Agency, and each garrison's directorate of public works, base civil engineers, and Naval Forces engineers. I want to thank you all for your commitment and dedication as we work together in delivering engineering solutions in the Republic of Korea.

What a dynamic year this has been for the Far East District! As of Feb. 1, 2018 about 87 percent of the Yongsan Relocation Plan and 86 percent of the Land Partnership Plan are complete, all part of the \$10.7 billion transformation and relocation program covering nearly a decade of work.

For Fiscal Year 2017 alone, our Contracting Division awarded a total of 459 actions totaling \$379 million. The last action we awarded was a \$2 million contract on a Repair Dormitory project at Kunsan Air Base. Throughout the peninsula our team of dedicated professionals has continued to Build Strong and meet the construction and engineering needs of U. S. Forces Korea and the alliance.

A look at our active project list displays the scope of the work the district is responsible for, from the massive military construction at U.S. Army Garrison Humphreys, to work at Osan and Kunsan Air Force bases, to other projects at various U.S. and Republic of Korea bases throughout the peninsula.

In Area I and II the Central Resident Office will absorb all the construction projects located in these areas. The former Northern Resident office at Yongsan Garrison will be designated the Seoul Project Office effective on Feb. 4, 2018.

In the greater Seoul area and Area II, the district was tasked to repair the heating, ventilation and air conditioning for an aerospace ground equipment maintenance facility in Suwon. This project is set to be completed in Oct. 2018.

In Area III, many projects at U.S. Army Garrison Humphreys have been completed in support of the Yongsan Relocation and Land Partnership Plans. An important ribbon cutting ceremony took place on July 11 as Eighth Army opened their new headquarters building. This was in addition to the Camp Humphreys Middle School ribbon cutting on Sept. 28 and the Camp Humphreys Exchange Shopping Center ribbon cutting on Nov. 20.

At Osan Air Base, construction continues on the main runway repair project which is scheduled to be completed in 2020. Also at Osan Air Base construction was completed on a small arms range project on Aug. 17. At Kunsan Air Base, construction was com-

pleted on a transient aircraft parking project on Oct. 26, 2017, four months ahead of schedule. The district is also in the process of constructing hardened aircraft flow thru shelters, a refueling system, two-10,000 gallon fuel storage facilities, and a pump house at the air base. This project will provide adequate aircraft turnaround times to support mission requirements and is expected to be completed in 2019.

In Area IV, the southernmost section of the peninsula, construction continues on two of four planned Army family housing towers. These towers will provide 90 apartments (four 5-bedroom units, twenty-six 4-bedroom units, and sixty 3-bedroom units) for Company Grade Officers, Senior Non-Commissioned Officers and their families.

The Far East District continues to support annual joint and combined forces exercises on the Korean peninsula. We also look forward to enhancing our coordination with MND-DIA, to provide ready and capable field force engineering forces enabling Combined Forces Command and U.S. Forces Korea to complete their missions when called.

While 2017 was an exciting year, 2018 will prove even more momentous as we say good bye to our old headquarters in Seoul and complete our move into our new headquarters building at Camp Humphreys. Saying goodbye to our compound in Dongdaemun will be difficult, but our new headquarters affords our team to work in a state-of-the-art facility and will provide closer contact with our stakeholders and partners. I have no doubt our focused professionals will make this transition as seamless as possible as we continue our mission in delivering quality facilities for U.S. military personnel, DoD civilians, their families, and Korean personnel across the peninsula in 2018 and beyond.

Korea Relocation Program

U.S. Army Garrison Humphreys



83

Percentage of completion for the entire program

By the Numbers



655 buildings done, under construction or planned.

The number of buildings being demolished is

339

\$10.7

Billion total price tag

17.6

million cubic meters of

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



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

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.

Active Project List

Location	Program	Project Name	Phase	Design	Construction
Alamo, Korea	2017	Install Det L Secure Room Fire Suppression	Design		
Alamo, Korea	2017	Upgrade Det L Secure Room HVAC/DDC	Construction		0%
Alamo, Korea	2016	Repair Failing Slopes on Site Hilltop, Det L	Construction		64%
Alamo, Korea	2017	Upgrade Det L Access Roadway	Construction		0%
Ames	2017	THAAD Ammo Depot 1 JOC	Construction		0%
APO	2016	Repair Upgrade Radiation Monitor System	Design	95%	
Busan	2021	Maritime Operations Center	Design		
Busan	2017	Upgrade Comm System, Bldg 2650, Pier 8	Construction	100%	1%
Camp Mujuk	2019	Sewage Treatment Plant	Design		
Camp Mujuk	2018	Camp Mujuk Life Support Area (LSA) Barracks #3	Design	90%	
Camp Mujuk	2017	Comprehensive Electrical Utility Reliability Assessment	Design	90%	
Camp Mujuk	2017	Marine Air Ground Task Force Operations Center	Construction	100%	0%
Camp Mujuk	2016	Camp Mujuk Life Support Area (LSA) Barracks #1	Construction	100%	58%
Camp Mujuk	2017	Camp Mujuk Life Support Area (LSA) Barracks #2	Construction	100%	0%
Carroll	2021	Tactical Equipment Maintenance Facility (TEMF)	Design		
Carroll	2017	Improve Lighting Levels, Bldg# 605,606 and 620	Design	100%	
Carroll	2019	Upgrade Electrical Distribution	Design	15%	
Carroll	2017	Replacement of Environmental Control System B-684	Design	30%	
Carroll	2017	Design of Multiple Projects for AFSBn-NEA	Design	30%	
Carroll	2017	Multiple Projects for AFS Bn	Design	90%	
Carroll	LR	CAP 091588 Forward Operating Site	Design	15%	
Carroll	2017	Sustainment Facilities Upgrade Phase 1 - DLA	Construction	100%	0%
Carroll	2016	Upgrade AHA Bldg 351	Construction	100%	99%
Carroll	2016	Battery Shop	Construction	100%	85%
Carroll	2005	H-805 Relocation - Camp Walker to Carroll	Construction	100%	75%
Carroll	2017	Construct Multiple Projects for AFSBn-NEA	Construction		0%
Carroll	2014	Area IV YRP - UEPH, BN & CO OPS HQs	Construction	100%	43%
Carroll	2017	Install Solar Tube for Bldg #607	Construction	100%	0%
Casey	2018	FY18 152365 SRM Projects, Pkg #1	Design		
Chinhae	2019	Indoor Training Pool	Design	90%	
Chinhae	2017	Study/Analyze Humidity Problems Bldg 606 & 711	Design	90%	
Chinhae	2017	Upgrade Electrical System, Pier 11	Construction	100%	1%
Chinhae	2016	SOF Operation Facilities & Barracks	Construction	100%	42%
CP Tango	2017	Install Fire Suppression System, Rm#205, B3101 and Rm#X-12, B3014	Design	15%	

Location	Program	Project Name	Phase	Design	Construction
CP Tango	2017	Repair Collective Protection System (CPS)	Construction	100%	0%
CP Tango	2017	Various Projects, B3200, B3101 and B3111	Construction		27%
Daegu	2017	Various DPW Projects	Design	30%	
Daegu	2017	Repair/Upgrade Elect Safety Deficiencies	Construction	100%	0%
Daegu	2016	Correct Fire Deficiencies	Construction	100%	56%
Daegu	2015	Repair/Upgrade ACPs, Walker Gate #4	Construction	100%	99%
Daegu Air Base	2018	Repair Base Engineer Maintenance Shop B-3605	Design		
Daegu Air Base	2018	Repair Munitions Admin, B-119	Design		
Daegu Air Base	2017	Repair Comm Facility, B-505	Construction	100%	0%
Daegu Air Base	2016	Operation Complex	Construction	100%	45%
Daegu Air Base	2017	Repair Comm Facility, B-505	Design	40%	
Daegu Air Base	2016	Operation Complex	Construction	100%	0%
George	2016	Repair/Upgrade School Facilities	Design	100%	
Henry	2016	Electrical Distribution Upgrade	Construction	100%	58%
Icheon	2018	SOCKOR Contingency Operations Center & Barracks	Design	90%	
Icheon	2017	Feasibility Assessment of ROK Special Warfare	Design		
K-16	2018	SOF Operation Facility, B-606	Design	95%	
Kimhae	2018	ADR-Construct Multiple PEB Warehouse	Design	30%	
Kimhae	2020	Airfield Damage Repair Warehouse	Design	15%	
Kimhae	2017	Repair Heating System B-1013	Construction	100%	0%
Koryosan	2016	Repair Failing Hilltop Slopes, Det J, Koryosan Site	Construction		99%
Koryosan	2017	Repair Det J Secure Room Ceiling, Koryosan Site	Construction		0%
Kunsan Air Base	2016	Transient Aircraft Parking	Construction	100%	96%
Kunsan Air Base	2016	Upgrade AT/FP Measures at Main Gate	Construction	100%	99%
Kunsan Air Base	2015	Flow-through HAS (Panton)	Construction	100%	49%
Kunsan Air Base	2015	Construct 3rd Generation HAS (Phase 1, 2, 3)	Construction	100%	13%
Kunsan Air Base	2017	Fire Suppression System, B-2241	Construction	100%	36%
Kunsan Air Base	2015	New Commercial Gate	Construction	100%	46%
Kunsan Air Base	2015	Munitions Inspections	Construction	100%	97%
Kunsan Air Base	2018	FY18 Kunsan BCE Managed A-E Design	Design		
Kunsan Air Base	2019	Upgrade Flow-Through Fuel System (Wolf Pack)	Design	15%	
Kunsan Air Base	2018	Airfield Damage Repair Warehouse	Design	95%	
Kunsan Air Base	2018	Fire Suppression System, B-2240	Design	95%	
Kunsan Air Base	2019	Explosive Ordnance Disp. Facility	Design	30%	
Kunsan Air Base	2017	A-E Design IDIQ, 6th TO	Design		
Kunsan Air Base	2018	Repair Water Treatment Plant	Design	100%	
Kunsan Air Base	2018	3rd Generation HAS, Phase 4,5,6	Design	95%	
Kunsan Air Base	2018	Replace Lift Station	Design	100%	

Location	Program	Project Name	Phase	Design	Construction
Kunsan Air Base	2017	AE Design IDIQ, 5th TO	Design		
Kunsan Air Base	2018	CAP 081359 Tactical Unmanned Aerial Vehicle Hangar	Design	30%	
Kwangju Air Base	2017	Repair AGE Facility B-2123	Construction	100%	0%
Kwangju Air Base	2017	Repair GYM B-150	Construction	100%	0%
Kwangju Air Base	2017	Repair Fire Station B-2122	Construction	100%	0%
Kwangju Air Base	2017	ADR-Construct Multiple PEB Warehouse	Design	30%	
Kwangju Air Base	2022	Maintenance Hangars & Apron	Design	30%	
Kwangju Air Base	2018	Repair Base Engineer Admin B-2153	Design		
Kwangju Air Base	2021	Airfield Damage Repair Warehouse	Design	15%	
Osan Air Base	2016	Repair HVAC System for PAC House B-733	Construction	100%	100%
Osan Air Base	2013	Aircraft Corrosion Control Facility	Construction	100%	99%
Osan Air Base	2015	Morin Gate Entry Control and Base Perimeter Defense	Construction	100%	91%
Osan Air Base	2016	607th ASOG & SOCKOR	Construction	100%	43%
Osan Air Base	2015	HAZMART Relocation	Construction	100%	100%
Osan Air Base	2014	Replace Main Runway	Construction	100%	18%
Osan Air Base	2017	Repair FP System AS B-849 & PH B-848	Construction	100%	0%
Osan Air Base	2016	Repair Critical Comm Node, Comm HQ B-949	Construction	100%	21%
Osan Air Base	2017	OAHS Science Lab Renovation	Construction	100%	96%
Osan Air Base	2017	Repair FP System for Pump House B-846	Construction	100%	0%
Osan Air Base	2016	694th ISRG Secure Storage Area	Construction	100%	62%
Osan Air Base	2009	VIP Aircraft Area	Construction	100%	15%
Osan Air Base	2016	Aircraft Fuel System Maintenance Dock	Construction	100%	31%
Osan Air Base	2017	Air Freight Terminal Facility	Construction	100%	0%
Osan Air Base	2017	Construct F-16 Quick Turn Pad	Construction	100%	1%
Osan Air Base	2013	CAP 072419 Hospital Addition/Alteration	Construction	100%	88%
Osan Air Base	2015	Construct Small Arms Range Complex	Construction	100%	97%
Osan Air Base	2006	Construct Second Runway	Construction	100%	100%
Osan Air Base	2015	Repair Fire Protection System B-843	Construction	100%	22%
Osan Air Base	2014	Munitions Storage Area Alpha	Construction	100%	10%
Osan Air Base	2016	Repair HVAC War Gaming Center B-946	Construction	100%	86%
Osan Air Base	2013	Repair Fire Protection System B-1729	Construction	100%	99%
Osan Air Base	2017	Repair JTAGS Office B-923	Design	100%	
Osan Air Base	2018	Repair C4I Room Into SCIF	Design		
Osan Air Base	2019	Cold Distribution Center Arch & Refrig/HVAC Upgrade	Design	90%	
Osan Air Base	2020	Airfield Damage Repair Warehouse	Design	15%	
Osan Air Base	2019	Commissary Arch & Refrig/ HVAC Upgrade	Design	90%	
Osan Air Base	2020	Korea Air and Space Operations Center (KAOC)	Design	0%	
Osan Air Base	2019	5th Reconnaissance Squadron Aircraft Shelter	Design	90%	

Location	Program	Project Name	Phase	Design	Construction
Osan Air Base	2018	Repair WRM Warehouse B-1219	Design	95%	
Osan Air Base	2018	Repair WRM Warehouse B-2460	Design	95%	
Osan Air Base	2017	ACE SMYU173005 ECIP: Install Solar Air Heaters, Multi-Facilities	Design	100%	
Osan Air Base	2018	Repair Aircraft Maintenance Hangar B1731	Design	95%	
Osan Air Base	2018	Main Gate ECF	Design	60%	
Osan Air Base	2020	Korea Air Space OPS & Combat OPS-INTEL Center	Design	0%	
Osan Air Base	2018	Child Development Center	Design		
Osan Air Base	2019	Communications HQ Building	Design		
Osan Air Base	2018	Construct Chapel Center	Design	100%	
Osan Air Base	2018	Renovate SQ Ops Building 1182	Design	100%	
Osan Air Base	2022	7th Air Force HQ	Design	15%	
Osan Air Base	2016	Repair Central Sterile Supply Space, B-777	Design	95%	
Osan Air Base	2017	Secure Storage Facility	Design		
Osan Air Base	2021	Upgrade Electrical Dist Overhead to Underground	Design		
Osan Air Base	2018	Repair WRM Warehouse B-2464	Design	95%	
Osan Air Base	2018	Repair NCO Dorm, B-734	Design	95%	
Osan Air Base	2018	Repair 51 OG Operations B-1114	Design	100%	
Osan Air Base	2018	Extend Railroad Spur Line	Design		
Osan Air Base	2018	Repair NCO Dorm, B-732	Design	95%	
Osan Air Base	2018	Base-wide Natural Gas Conversion PHASE I	Design		
Pohang	2021	Replace Ordnance Storage Magazines	Design	30%	
Pohang	2017	Repair Ordnance Maintenance Bldgs (Design Only)	Design	30%	
Pohang	2017	Upgrade Fire Alarm System in Tri-Services Hangar	Design	30%	
Pohang	2016	Replace Bulk Fuel Transfer Pipeline	Construction	100%	99%
Pohang	2017	Cleaning of Existing Bulk Fuel Transfer Underground	Construction		100%
Red Cloud	2017	Area 1 Package# 2, 3 and 4	Design		
Seongju	2016	THAAD Deployment	Design		
Seongju	2017	JOC Repair/Renovate Existing TACSITE Bldgs/	Construction		9%
Suwon	2018	Repair Aircraft Weapon Shop B-2529	Design		
Suwon	2017	ADR-Construct Multiple PEB Warehouse	Design	30%	
Suwon	2018	Repair Vehicle Maintenance Shop B-2208	Design		
Suwon	2018	Repair Base Engineer Admin B-2224	Design		
Suwon	2021	Airfield Damage Repair Warehouse (Suwon Air Base)	Design	15%	
Suwon	2018	Repair POL Tank 2662	Design		
Suwon	2017	Repair HVAC Age Facility B-2506	Construction	100%	0%
Humphreys	2017	OTH 087191 Pet Care Center	Design		
Humphreys	2018	Eighth Army Correctional Facility	Design	95%	

Location	Program	Project Name	Phase	Design	Construction
Humphreys	2019	Small Arms Ammunition Warehouse	Design	100%	
Humphreys	2020	Consolidated Fire Support HQ	Design	100%	
Humphreys	2019	Site Development	Design	99%	
Humphreys	2018	CAP 091380 Family Housing New Construction Incr 2	Design	30%	
Humphreys	2015	Black Hat	Design	60%	
Humphreys	LR	CPX Gate Access Control	Design	15%	
Humphreys	2018	Type I Aircraft Parking Apron	Design	90%	
Humphreys	2017	175th Finance Center	Design	30%	
Humphreys	2019	Echelon Above BDE EN BN VMF	Design	15%	
Humphreys	2018	Vehicle Maint Facility & Company Ops Complex (3rd CAB)	Design	30%	
Humphreys	2009	BCTC SCIF	Design	90%	0%
Humphreys	2014	Air Support Operations Sq Compound	Design	90%	
Humphreys	2019	Unaccompanied Enlisted Personnel Housing Ph 2 (2 Towers)	Design	0%	
Humphreys	2018	Unaccompanied Enlisted Personnel Housing Ph 1 (2 Towers)	Design	30%	
Humphreys	2021	Patriot Tactical (TAC) Site	Design	0%	
Humphreys	2019	CAP 086877 Family Housing New Construction Incr 3	Design	30%	
Humphreys	2014	Visitor Control Center	Construction	100%	93%
Humphreys	2016	Unaccompanied Enlisted Personnel Housing	Construction	100%	16%
Humphreys	2012	Simulation Center	Construction	100%	94%
Humphreys	2009	Consolidated Installation HQ Area	Construction	100%	95%
Humphreys	2015	Bulk Fuel Storage Tanks & Pumps	Construction	100%	80%
Humphreys	2016	Type II Aircraft Parking Apron & Taxiway	Construction	100%	24%
Humphreys	2010	Renovate Downtown SLQs	Construction	100%	100%
Humphreys	2008	Phase III Facility	Construction	100%	65%
Humphreys	2017	302 PN UEPH 092, 093, 094	Construction	100%	0%
Humphreys	2013	2ID HQ SCIF	Construction	100%	98%
Humphreys	2011	Landscaping	Construction	100%	91%
Humphreys	2008	C4I/Information System - Outside Plant Cabling	Construction	100%	99%
Humphreys	2012	Type II Aircraft Parking Apron, Surface	Construction	100%	73%
Humphreys	2012	Soldier Troop Area Support	Construction	100%	100%
Humphreys	2011	Type II Aircraft Parking	Construction	100%	99%
Humphreys	2009	NCO Academy and Transient UPH	Construction	100%	94%
Humphreys	2009	Golf Course and Facilities	Construction	100%	90%
Humphreys	2009	BCTC & Transient UPH	Construction	100%	95%
Humphreys	2009	AAFES Facilities	Construction	100%	84%
Humphreys	2008	USFK HQ - Admin Facilities	Construction	100%	98%
Humphreys	2010	Medical Brigade HQ & POV Parking Facility	Construction	100%	100%

Location	Program	Project Name	Phase	Design	Construction
Humphreys	2010	One Stop Processing Area	Construction	100%	99%
Humphreys	2010	USFK Operations Center	Construction	100%	31%
Humphreys	2009	Bulk Fuel Facility	Construction	100%	90%
Humphreys	2014	Unaccompanied Enlisted Personnel Housing II	Construction	100%	85%
Humphreys	2011	Animal Building & Others	Construction	100%	73%
Humphreys	2010	Warehouse Area	Construction	100%	70%
Humphreys	2011	Medical Support Area	Construction	100%	75%
Humphreys	2013	2ID HQ	Construction	100%	85%
Humphreys	2008	CAP 058784 Brigade HQs And Battalion HQs	Construction	100%	99%
Humphreys	2004	Land & Infrastructure Dev - Parcel 2A	Construction	100%	99%
Humphreys	2017	Duplex Company Operations, Zoeckler Station	Construction	100%	0%
Humphreys	2014	Downtown SLQs	Construction	100%	81%
Humphreys	2009	EUSA VMF I	Construction	100%	99%
Humphreys	2010	Downtown Exchange and Commissary	Construction	100%	99%
Humphreys	2009	Zoeckler Station SLQs	Construction	100%	94%
Humphreys	2015	MI Field Station	Construction	100%	58%
Humphreys	2008	Hospital Barracks and DFAC	Construction	100%	99%
Humphreys	2013	HBCT VMFs IV	Construction	100%	95%
Humphreys	2007	Parcel 2B-2 LDUI	Construction	100%	100%
Humphreys	2017	CAP 086689 Family Housing New Construction	Construction	100%	0%
Humphreys	2017	Doppler VOR Infrastructure (Site Preparation)	Construction	100%	0%
Humphreys	2009	Zoeckler Station Community Support	Construction	100%	41%
Humphreys	2008	Utilities & Infrastructure for Existing Land	Construction	100%	89%
Humphreys	2009	Army Family Housing - O6 & Commanders	Construction	100%	85%
Humphreys	2010	Small Arms Range	Construction	100%	85%
Humphreys	2013	CAP 076196 Battalion Headquarters Complex	Construction	100%	99%
Humphreys	2007	Parcel 2B-1 LDUI	Construction	100%	100%
Humphreys	2008	Hospital & Ambulatory Care Center	Construction	100%	79%
Humphreys	2014	Unaccompanied Enlisted Personnel Housing I	Construction	100%	71%
Humphreys	2009	Water Upgrade (Existing Land) Ph1	Construction	100%	89%
Humphreys	2009	Upgrade Power Distribution & Substation	Construction	100%	80%
Humphreys	2009	Family Housing Towers	Construction	100%	75%
Humphreys	2014	Army Family Housing - Senior Officers	Construction	100%	99%
Humphreys	2014	Access Control Point III (Dodu-Ri Gate)	Construction	100%	99%
Humphreys	2007	Utilities & Infrastructure - Parcel 2A, 1 & K, New Land	Construction	100%	96%
Humphreys	2009	Band Training Facility, CAC & Multipurpose fields	Construction	100%	82%
Humphreys	2009	Communication Center	Construction	100%	84%
Humphreys	2010	Communication Center SCIF	Construction	100%	97%

Location	Program	Project Name	Phase	Design	Construction
Humphreys	2010	Downtown Business Park	Construction	100%	100%
Humphreys	2009	Army Family Housing-General Officers	Construction	100%	85%
Humphreys	2009	Installation VMF	Construction	100%	98%
Humphreys	2009	Access Control Points II (Quarry Gate)	Construction	100%	99%
Humphreys	2009	Midtown Community Support	Construction	100%	84%
Humphreys	2016	3rd MI Aircraft Maintenance Hangar Complex	Construction	100%	11%
Humphreys	2008	C4I/Information System - Outside Plant Cabling	Construction	100%	35%
Walker	2018	085893 Golf Pro Shop Renovation	Design		
Walker	2018	Commissary Arch & Refrig/HVAC Upgrade	Design	95%	
Walker	2019	Repair/Replace Sewer Piping System	Design	15%	
Walker	2019	CAP 081429 Family Housing Replacement (Tower #4)	Design	15%	
Walker	LR	CAP 091377 Repair Lodging Facility	Design		
Walker	2017	CAP 081428 Family Housing New Construction	Construction	100%	0%
Walker	2016	Repair/Upgrade Sewer System	Construction	100%	84%
Walker	2015	CAP 081230 Family Housing New Construction	Construction	100%	50%
Walker	2016	CAP 081427 Family Housing New Construction Tower 2	Construction	100%	13%
Walker	2017	Repair/Maintenance of Pool	Construction	100%	0%
Walker	2017	Soldier Support Center	Construction	100%	0%
Walker	2014	Construct Middle/High School	Construction	100%	99%
Yechon Air Base	2017	Electrical Works	Design	0%	
Yongpyong	2016	ADP & 3 Range Improvement Projects on SLFC & RLFC	Design	100%	
Yongsan	2009	Yongsan Residual	Design	10%	
Yongsan	2016	CFC Residual	Design	0%	
Yongsan	2018	Seoul New Embassy Compound	Design	2%	
Yongsan	2017	Replace FCU & Install VAV System in Rm#223, B2307	Design	0%	
Yongsan	2018	CFC Residual Move to MND	Design		
Yongsan	2019	CAP 091589 Command and Control Facility	Design	15%	
Yongsan	2017	Repair BCU for HVAC System, B2308	Design		
Yongsan	2018	Repair AC Unit, B2517	Design		
Yongsan	2017	Repair Leak in Rm#112, B2307	Construction		99%
Yongsan	2017	Replace AC Units, B4200, B4223 and B4215	Construction		1%
Yongsan	2017	Replace/Upgrade Gate & Check Valves, B5395	Construction		0%
Yongsan	2017	Replace AC Units, B5422, B1164 and B7137	Construction		1%
Yongsan	2017	Repair HVAC System, R113, B2308	Construction		99%
Yongsan	2017	Replace AC Unit, B2254	Construction		0%
Yongsan	2017	Replace AC Units, B2267, B2293	Construction		0%
Yongsan	2017	Replace Two Burnout Submersible Pumps at B-5395	Construction		36%
Yongsan	2017	Repair/Upgrade Latrines in B2308	Construction		99%

Humphreys Projects

Construction Surveillance Resident Office

ACP021 YRP, Access Control Point II

The ACP021 Access Control Point II, Quarry Gate, was designed based on the Army Standard Design and criteria. It is located on the existing USAG Humphreys, adjacent to the existing Quarry gate. Project began on Dec. 16, 2014 and was completed on Nov. 15, 2017. This project criteria package was based on the Yongsan Relocation Program (YRP) with the 30 percent Criteria Package (CP) designed by MMI International, and the 100 percent design completed by Sun Jin & Dong Woo. The total contract amount is \$9.6 million, and awarded to Daelim consortium to execute the detailed design & construction.

Contract scope included a new ACP including Vehicle inspection, Vehicle Inspection Canopy, 3-Lane ID Check Canopy, Visitor Control Center, Visitor Center Walk In, Search Building, Gate House, Guard Booth, over watch building with supporting facilities and connects to Key Street, formally known as New Freedom Road.

MURO is responsible for finishing construction; Kunwon-CH2MHILL Program Management Consortium (K-C PMC) is responsible for the execution and



Rendering of Access Control Point II, Quarry Gate

the management of construction. Respectively, FED Construction Surveillance Resident Office is responsible for construction surveillance.

C4I010 YRP, Communication Center

The C4I010 Communication Center was awarded on July 24, 2013 to GS

Consortium with a construction cost of \$170.95 million, which is scheduled to be completed on Dec. 31, 2018 at USAG Humphreys.

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 sub-divided 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 who operate, monitor, protect, and maintain them.

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

The unprotected area is a 3-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 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 ground parking lot around building will also be provided for the additional 31 vehicles of customers and visitors.

HQ020 YRP, USFK HQ and Public Service Building

The Korea Command HQ will be one of the unique facilities on Camp Humphreys. The project has been programmed for units of Korea Command with United Nations Command. Command staffs include the Office of the Commander, Deputy Commander, Chief of Staff, Public Affairs, Protocol, Status of Forces Agreement Commission, UNC Military Armistice Commission, and other unique staff. KORCOM Assistant Chief of Staff Units includes, J1-J6, Command Group, Chaplain, Engineer,



Rendering of C4I010 Communication Center

History Office, Judge Advocate, Provost Marshal, Safety, and Surgeon. The project was awarded on June 10, 2013 to Hanwha Engineering and Construction with a total cost value of \$74.09 million funded by the Ministry of National Defense USFK Relocation Program. The facility is design by Heerim Architects and Planners using restricted access standards as stated in Unified Facility Criteria (UFC) 3-340-01. The project consists of a four story building, a basement with underground utilities, multi-functional protected entrances, space for Collective Protection System access,

energy monitoring and control systems, security lighting/fire detection, suppression system, exterior information systems, emergency generators with a fuel storage facility. The facility will also include a parking lot with approximately 1,200 spaces and a Parade Ground with artificial turf for ceremonies and other related activities. The project is scheduled to be turned over in spring 2017. Construction Management is performed by K-C PMC and FED is responsible for Construction Surveillance.



HQ020 USFK Headquarters

HQ050 YRP, Consolidated Installation Headquarters

The HQ050 project consists of the design and construction of the Consolidated Installation Headquarters Area at USAG Humphreys. The project was awarded to Daelim Consortium in March 2014 with a contract amount of \$120.34 million. The criteria package for this project was initially designed by Amkor to meet Army Standard Design criteria for administration buildings with the completed design by Sun Jin & Dong Woo. This project has three project sites.

Site #1 has two administration buildings; one building for the Far East District, and one building that will house both the Department of Defense (DoD) & the Department of the Army (DA). These facilities will provide day-to-day administrative services. The Far East District has been identified as part of the USFK Relocation and Transition program for the Korea Command initiatives throughout the Korean peninsula to perform Engineering and Construction services as operational requirements. There will be ample parking spaces for Privately Owned Vehicles (POV). Construction Management is performed by K-C PMC and FED is responsible for construction surveillance. The Consolidated Installation Headquarters Area is scheduled to be complete in May 2018.

Site #2 has three administration buildings. The first building is a multi-story building with three floors that houses both Department of public works



HQ050 Site#1 Far East District Headquarters Building

(DPW) and Department of Logistics (DOL). The second building is a multi-story building with two floors that will house the Air Force Ready Reserve Command (AFRC), and the last building is a multi-story building with three floors houses Consolidated Installation Headquarters. The facilities were turned over Nov. 20, 2017.

Site #3 is the new home to the Emergency Operation Center at USAG Humphreys. This facility will provide day-to-day administrative services. This facility has been identified as part of the USFK Relocation and Transition program for the Korea Command initiatives as an operational requirement. This facility will have ample parking spaces for Privately Owned Vehicles. This facility was turned over on Oct. 18, 2017.

INFRA030, ROKFC Land Development and Utilities Infrastructure – Parcel 2A and Existing Humphreys

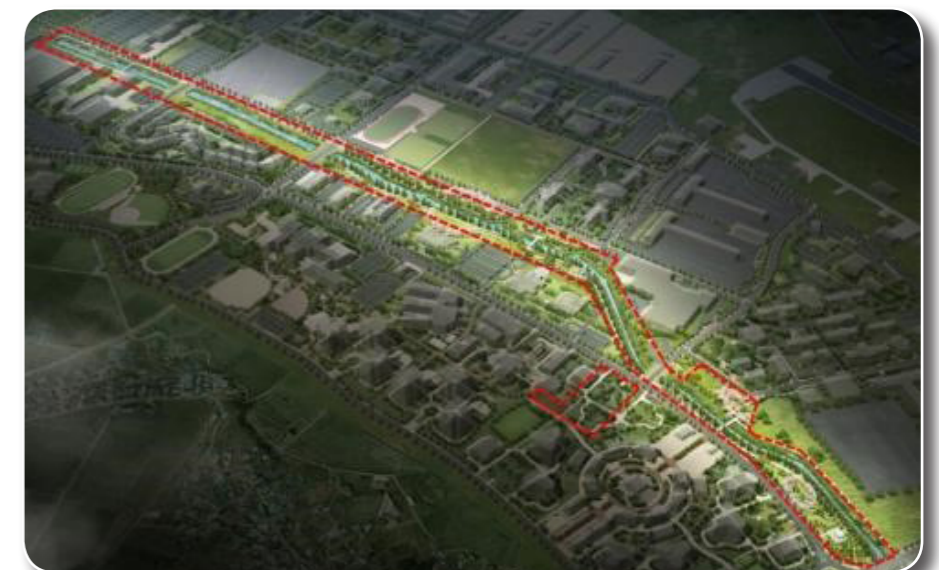
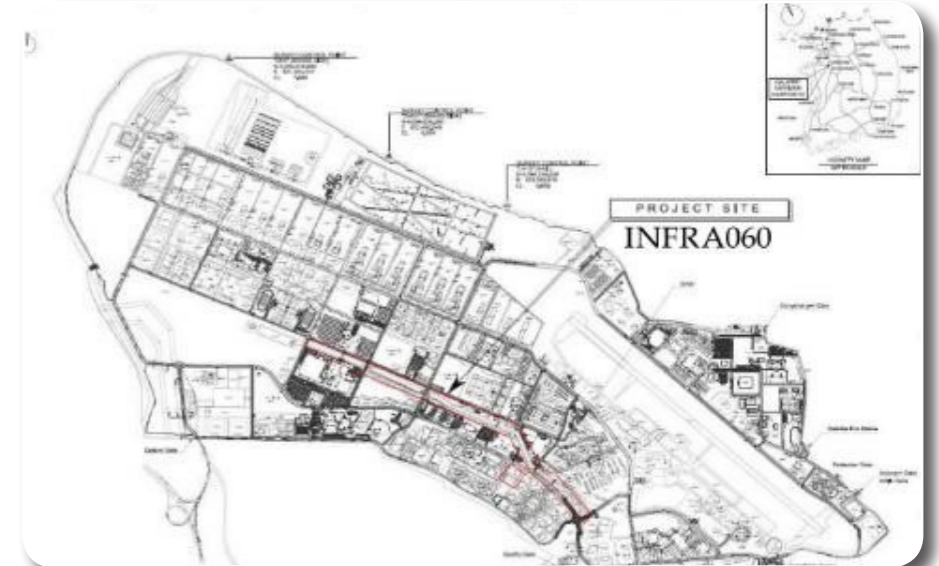
The Land Development and Utilities Infrastructure (LDUI) project is the largest design-build contract FED has had. The \$605 million design-build contract was awarded to SK Engineering and Construction in late 2008 and is for land development and utility systems on the existing Garrison and in Parcels 1, K, and 2A of the new land provided to the U.S. for expansion under the Yongsan Relocation Plan and Land Partnership Plan. The effort has required: seven million of cubic meters of earthwork, 23 kilometers of road construction,

30 kilometers of drainage system, 36 kilometers of water distribution lines, 18 kilometers of sewer conveyance lines, 24 kilometers of natural gas distribution lines, 41 kilometers of electrical lines, 35 kilometers of communication lines, building two new water storage tanks, a new water chlorination system, 17 lift stations, and two electrical substations.

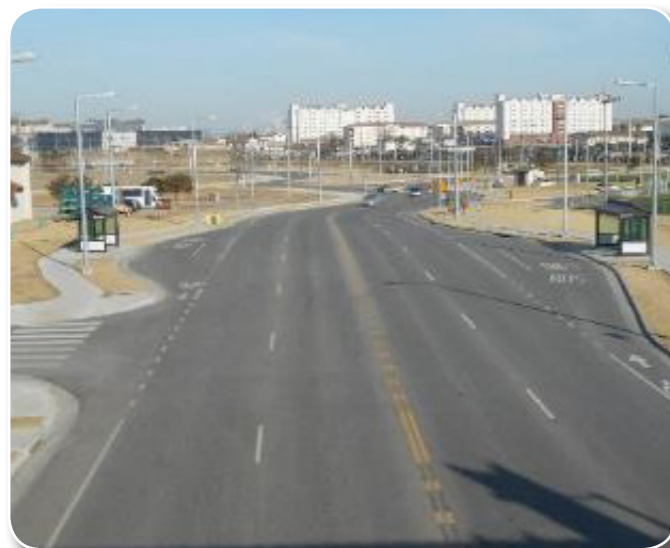
The project is approximately 95 percent complete, and is scheduled to complete on May 18, 2018.

INFRA060, ROKFC Land Development and Utilities Infrastructure

The INFRA060 project was awarded in Sept. 2015 to KCC Consortium with a construction cost of \$6.6 million. Facilities included three canal crossing pedestrian bridges, an outdoor rest room, three large shelters with two drinking fountains and three barbecue grills, five small shelters, community trails along the canal with planting and grassing areas. All spots are ease to access from bus stops, barracks and other downtown facilities in between “E” and “F” Avenue along the canal. This project also relocated six monuments as General Walker and YI’s Status, Eighth Army Memorial and others from Yongsan to Humphreys and NAVY and Camp Mujuk. The works completed by end of Aug. 2017 and is under fluent turnover progress.



INFRA060 Rendering and Location



Land Development and Utilities Infrastructure, Parcel 2A and Existing Humphreys



Statue of General Walker



Statue of Admiral Yi



Eighth Army Memorial



Peace Bridge



Access Road to Downtown Plaza



Parking Stalls

INFRA060, Multi-Purpose Athletic Field

The project was modified in Aug. 2017 to KCC Consortium with a construction cost of \$10.9 million by adding \$3.7 million of estimated MAF cost. The MAF facility is de-scoped from other project and relocated to current location. It consequences re-design of the project. 90 percent submittal to FED have completed by early Dec. 2017. A Fast-Track method implemented to the works in order for saving contract period which enables commencement of activities not much affected by approval of 100 percent design as temporary works of fencing and power connection, clearing and grubbing and temporary drain works.

OS030 YRP, Bulk Fuel Oil Facility

This OS030 Bulk Fuel Oil facility is the first oil facility in the USAG Hum-

phreys to be in full design based on the Army Standard Design and criteria. The facility is located at the Far West end of the new land adjacent to the Railhead project. The project began on Dec. 27, 2014 and is expected to be completed by Oct. 2018. The project was designed by Amkor and the remaining portion of the design (up to 100 percent) was completed by Sun Jin & Dong Woo. The total contract amount is \$24.7 million dollars, and was awarded to Daelim Consortium who is executing the detailed design and construction.

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 storage, and gasoline filling station with 24,000 gallons. 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 in the project.

MURO is responsible for construction, and K-C PMC is responsible for execution & management of construction. FED Construction Surveillance Resident Office is responsible for construction surveillance.

OS031 ROKFC-in-Kind, Fuel Oil Facilities

The OS031 Fuel Oil Facility includes the construction of two 50,000 barrel (50 MBBL), which is about 2.1 Million gallons, bulk fuel storage tanks with pump houses and pumps. A small electrical building to house motor control centers and a temporary control panel is also included, as are a valve pit, waste water tank (4,000 gallon underground) and truck load/off-load island.

The contract was awarded to Namwha Construction at \$14.78 million, and

is scheduled to be completed by Sept. 28, 2018, once it's commissioned with the adjacent fuel facility. Current completion is 70 percent, including precast prestressed concrete piles, slabs-on-grade, and buried concrete encased steel shells of the tanks, Tank-Pump-to-Pipe lines, two pump houses and one control room. Additional changes will include connection to adjacent sister project back up power generation and Emergency Power-Down System (EDPS) connections.

OS040 YRP, Small Arms Range

The OS040 Small Arms Range is a \$34.07 million design-build project, awarded to Shindongah Engr. & Const. Co., Ltd. The facility consists of facilities and structures for the Small Arms Range, with primary facilities consisting of Ammo Storage Magazine, Baffled Combat Pistol/ MP QC (CP QC) range, Baffled M-16/ M-4 23-meter (Zero) range, Baffled M-16/ M-4 300 meter Modified Record (MRF) Fire Range and Grenade Launcher (M203) range.

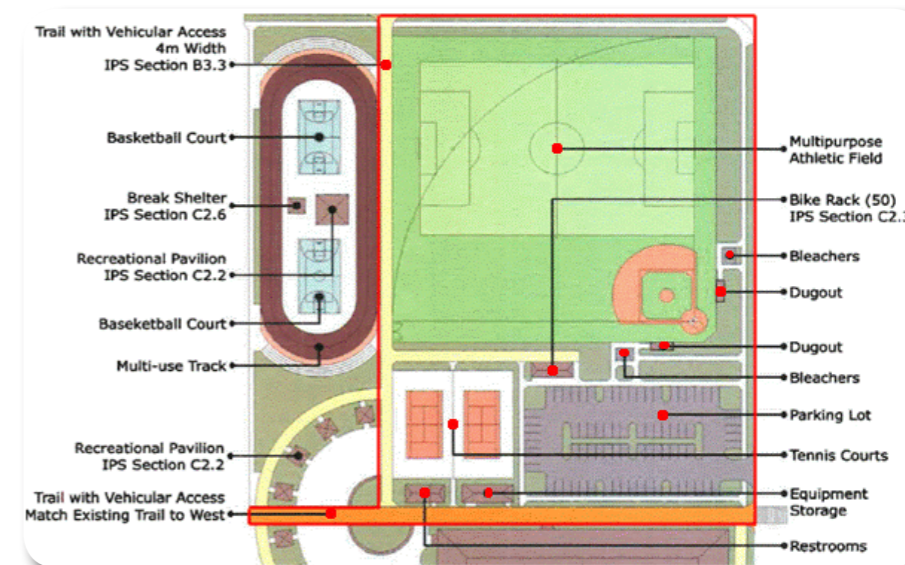
Secondary facilities include Range Operations and Storage, Range Control Space, Classrooms (1 & 2), Ammo Breakdown Building, Latrine, Covered Bleacher, Field Dining, Shop/Storage

Building, Small Arms Range Operations Center, Guard Booth and baffles for the three ranges: Baffled Combat Pistol/ MP QC (CP QC) range, Baffled M-16/ M-4 23 meter (Zero) range, Baffled M-16/ M-4 300 meter Modified Record (MRF) Fire Range.

Other supporting facilities include the standard Range Operations and Control Area (ROCA) buildings/structures, access roads, underground utilities, security lighting, pervious paving, sidewalks, fencing and gates, parking, bicycle rack, dumpster pads, storm drain-

age, exterior information, and site improvements.

The project is currently 95 percent complete and expected to be completed Feb. 2018, including MRF: Wooden baffle walls, Bullet Trap, attached buildings metal roof and latrine plumbing; Zero Range: Bullet Trap Chamber, attached Buildings ROS and CR2, and protector panels; CPQC Range: Lighting fixture for baffle-framed ceiling, PVC piping and U/G electrical conduits; M203: Concrete walls attached buildings SAROC and SSB; AMMO Magazine:



INFRA060 Multi-Purpose Athletic Field Plan



INFRA060 Multi-Purpose Athletic Field Site



OS050 Animal Building Site #1

Slab-on-grade concrete; Site work: water, sewer and lift station, storm drainage structures and MHs.

K-C PMC is the Quality Assurance facilitator, and FED is responsible for construction surveillance.

OS050 YRP, Animal Building and Others

The project is located on existing Humphreys and within the first garrison fence move, and is a part of the army garrison expansion which will facilitate the relocation of numerous existing military organizations as part of the Yongsan Relocation Program. OS050 is being built on four different sites. Site 1, Animal Building is adjacent to the existing animal building and the Confinement Facility in the MP Hill area. Site 2, Army Lodge is adjacent to the existing lodge and the new Morning Calm Conference Center. Site 3, NBC Chamber is located in the new garrison expansion area next to the recently completed Small Unit Training off of A Avenue and Airfield Rd. Site 4, Park is located in the new Garrison expansion area off of 7th Street next to the Midtown Community Support area and Downtown Business Park.

NTP for Sites 2, 3, and 4 was issued in June 2015, site 1 NTP was issued in Oct. 2015. The park site was turned over

to the Garrison on Sept. 29, 2017. The NBC Chamber was turned over on Dec. 4, 2017. The Animal Building has entered the commissioning stage and is expected to be turned over in May 2018. Followed by the Army Lodge which is expected to be turned over in July 2018.

The Criteria Package (CP) was designed by AMKOR and the remaining portion of the design up to 100 percent was completed by Dong Woo consortium. The total contract amount is \$18.9 million, and was awarded to POSCO consortium who will be executing the



OS050 YRP, Park #4

detailed design and construction. MURO is responsible for construction, and Quality assurance is performed by K-C PMC. FED is responsible for construction surveillance.

RED010, Golf Course and Facilities

This turn-key contract provides replacement of the 18-hole Sung Nam Golf Course, related facilities, and the USAG Yongsan Hartell House. The key features of the Robert Trent Jones designed 18-hole golf course will include a 48-tee driving range, chipping and putting greens, and practice pitch and put course. The key features of the Golf Clubhouse include a formal restaurant, banquet facilities, snack bar, pro-shop, kitchen facilities, office space, and locker rooms.

The project was awarded on Feb. 20, 2014 to Daebok Construction Consortium with a construction cost of \$54.5 million. This project has been turned over in small sections and completed turnover is expected in April 2018.

SPT020 YRP, Downtown Exchange & Commissary

The Downtown Exchange and



OS050 YRP, Army Lodge #2



OS050 YRP, NBC Chamber #3



Commissary was awarded to POSCO Consortium on June 3, 2014 for \$121.59 million. Facilities provide over 3.2 million square feet of space including a new Main Exchange (PX), Commissary, two screen Auditorium, Recreation Center, Bowling Center, Non-Automotive Skills Center, Plaza, Chapel and Family Life Center. The Non-Automotive Skills Center includes an arts & craft shop, business center, community theater and restaurant section. The bowling center is the only building with a 2nd floor that contains a restaurant with inside and outside seating that overlooks both the bowling lanes and the outside plaza. This project will provide a shopping mall, supermarket, theater, arts and craft shops, morale/welfare and recreation, and religious facilities to meet the needs of the USAG Humphreys' community as a result of the Yongsan Relocation Program.

SPT040 YRP, One Stop Processing Center & Bus Station

The One Stop Processing Center Area & Bus Station are YRP projects which MURO originally awarded in Sept. 2013. Due to the contractor's financial matters, MURO re-awarded the projects to the Hyundai Development Company in Oct. 2015. The combined construction cost is \$51.3 million.

The One Stop Processing Center is located in the center of the new downtown plaza for the convenience of customers who will need to complete a variety of personnel and vehicle processing activities. The facility has three floors, each with approximately 5,000 square meters of floor space for offices, waiting

areas, briefing rooms, and an AAFES coffee shop. The design of the facility is intended to provide convenient circulation flow for all staff and visitors, to include the provision of a separate entrance for military replacement operations. It also includes a parking lot that can accommodate up to 347 vehicles. The Bus Station is located on what is considered "old" Camp Humphreys. Eighth Army Commander listed the One Stop Processing Center as a top priority for the Garrison and the facility needed to be operational by the beginning of Jan. 2018. With collaboration from the Contractor, DPW, K-C PMC, MURO, and FED the facility was turned over 49 days ahead of schedule.

The Bus Station, located in the existing USAG Humphreys, consists of a



SPT020 YRP, Downtown Exchange and Commissary

ticket office, administration office, waiting area, bus driver dispatch, and AAFES retail and snack bar. Once operational, the Bus Station will provide bus services to and from other installations. Both the One Stop Processing Center and the Bus Station are to meet American Disability Act (ADA) requirements and Public Law 109-058 – Section 109 established energy consumption levels. The One Stop Processing Center was turned over to the Garrison on Nov. 14, 2017. The Bus Station was turned over to the Garrison on Dec. 12, 2017.

SPT060 YRP, Warehouse Area Site #1

This SPT060 Warehouses project consists of the design and construction of the Warehouse Area and Mortuary at USAG Humphreys, Korea. The project is located on three sites, and is a part of the Army Garrison expansion which will facilitate the relocation of numerous existing military organizations as part of the Yongsan Relocation Program.

SPT060 is being built in accordance with the phasing plan under Fast track Project delivery; Fast Track Phase I for earth work began on Sept. 19, 2014 and

is expected to be finished by March 16, 2015. Fast Track Phase II for piles and substructures began on Sept. 19, 2014.

The 30 percent Criteria Package (CP) was designed by MMI International and the 100 percent design was completed by Dong Woo Consortium. The project was awarded to Posco Consortium at \$178.4 million. MURO is responsible for construction, and Quality assurance is performed by K-C PMC. FED is responsible for construction surveillance.

Site 1 has two General Purpose Warehouses, and one General Purpose Warehouse Depot. The site is bounded by E Ave, 1st Street, and C Ave. The project is scheduled to be complete on June 30, 2018.

Site #2 is located on the far west side of the new land, adjacent to future Access Control Point III, Doduri Gate. The project includes the DeCA Central Distribution Warehouse, AAFES Central Distribution Center, AAFES Vehicle Maintenance Facility, HAZMAT Storage, General Purpose Warehouse Depot, and General Purpose Warehouse Installation. The project is scheduled to be complete on June 30, 2018.

Site #3 is located on the existing

USAG Humphreys area next to future garrison hospital. The project will serve as the mortuary for the garrison. The project is scheduled to be complete on June 30, 2018.

SPT080 YRP, Main Post Club

The project was awarded in Aug. 2013 to Lotte Consortium with a construction cost of \$6.1 million dollars. The project was completed in May 30, 2017. During construction the existing Bowling Center (Bldg S-1432) was renovated into a Main Post Club, including kitchen equipment and POV parking for 122 vehicles. The Main Post Club includes a banquet room, bar, dance floor, function rooms, full service kitchen including kitchen equipment, gaming area with pool tables and dart, smoking room, storage rooms, admin/office, toilets, communications room, electrical room, mechanical room, and janitor's room. Additional supporting facilities include security lighting, fire protection system and exterior information systems, sidewalks, curb and gutter, site amenities, bike racks, and trash areas/pads.



SPT060 Site #1 Warehouses



SPT060 Site #2 Warehouses



SPT110 YRP, Downtown Business Park

The Downtown Business Park is a four structure/two site vertical project in the new land located in parcel 2B. The project began on May 20, 2014 and was completed on Sept. 28, 2017. The total project cost was \$34.55 million dollars and constructed by Hyundai Development Company Consortium.

The project contains three separate buildings, each with different users. Site A contains three buildings. Building A is the first building and being used as a Courtroom and Legal Center. Building B is being used as Administrative Office Facility for the 176th Financial Management Company, Civilian Personnel Advisory Center and Civilian Human Resource Center. Building C is being used

for Community Bank and the Navy Federal Credit Union.

Site B contains an equipment storage building (Building D) at the Multi-Purpose Field for the storage of field equipment. Supporting facilities consist of utility systems connections including water, sewer, electrical, and storm drainage. The project also includes sidewalks, curbs, gutters, security lighting, heating, ventilation, and air conditioning system. All facilities include a first floor structural slab, pile foundation, fire protection, alarm systems, building information systems and 735 POV parking spaces include 15 handicap parking space. Accessibility for the physically handicapped is provided therefore facility design meets American with Disabilities Act requirements.

TNG030 ROKFC-in-Kind, Wash Facility and Drivers Training Course

The project consists of a new vehicle wash facility and drivers training course. The main facility consists of wash platform, six wash bays, multi-purpose training range, and unit staging area. The supporting buildings included in this project are: Range Operation Center, Range Control Tower, Range Support Building, Ammo Breakdown Building, Latrine, Covered Bleachers, Field Dining, Vehicle Maintenance Bay, and Pump House. This project was awarded in Dec. 2012 to Woo Seok Construction Company for \$14.5 million. It was turned over to the Garrison on Aug. 31, 2017.



Pump House and Tank Wash Stations



Range Control Tower



Vehicle Maintenance Bay



Field Dining, Covered Bleacher and Latrine

UEH080 YRP, Hospital Barracks

The project was awarded in Sept. 2013 to GS Consortium with a construction cost of \$79 million. During construction 13 buildings were demolished by GS and 10 buildings were demolished under another contract to make room on the existing Garrison requiring coordination amongst multiple contractors. Several buildings contained Asbestos and required special procedures for removal and disposal. The project was to construct the new 3-standard design, 8-story, Unaccompanied Enlisted Personnel Housing and Heating plant in support of the relocation of Yongsan Garrison. The Barracks and the Heating Plant are needed to adequately meet the base of Barracks and the Heating Plant and support requirements within Humphreys Garrison. The Hospital Barracks were turned over to the

Garrison on Sept. 26, 2017.

VMP040 YRP, Installation VMFs

The Installation Vehicle Maintenance Facilities (VMF 040) is a complex located in new land of parcel 2A. The project began on May 20, 2014 and is expected to be completed on Jan. 30, 2018. The total project cost to date is \$79.87 million and constructed by Hyundai Development Company Consortium.

The project criteria package is based on the Yongsan Relocation Plan and is a vertical construction project. The project is to develop vehicle maintenance shops including supporting facilities. The Primary facilities will include six organization buildings, two Small TEMFs, two Medium TEMFs, six Large TEMFs, six Hazardous Material Storage areas, six

Waste Oil Storage areas, one Admin building, one Battalion HQ, and one Office building with a Vehicle inspection Area. In addition, this project will provide PCC Paved Organizational Vehicle Parking areas and AC paved POV Parking areas. Facilities include building information system and antiterrorism/force protection. Supporting facilities consist of utility systems connections including water, sewer, electrical, and storm drainage. Additional scope of work includes sidewalks, curbs and gutters, site amenities, bike racks, HAZMAT waste shed, fuel oil tank, Oil-water separator, POL truck shed, and trash areas/pads.

VMF050 YRP, EUSA VMFs I

The Eighth U.S. Army (EUSA) Vehicle Maintenance Facility I (VMF 50)



UEH080 YRP, Hospital Barracks

is a vehicle maintenance complex in parcel 2A. The project began on March 29, 2013 and was turned over to Camp Humphrey's on Aug. 25, 2017. The total project cost to date is \$78.48 million dollars and constructed by Daewoo Consortium as part of a four site package. This project criteria package was based on the Yongsan Relocation Plan and is a vertical construction project. The project provided three Company Operations Facility, three sets of Readiness Module 450-person/300-person, three Eighth Army HQ Medium Tactical Equipment Maintenance Facility and three Organizational Storage Building with Hardstand and 6-Hardstand Covers. Primary facilities include building information system and antiterrorism/force protection.

Supporting facilities consist of utility systems connections including water,

gas, sewer, electrical, and storm drainage. Additional scope of work includes sidewalks, curbs and gutters, site amenities, bike racks, HAZMAT waste shed, fuel oil tank, Oil-water separator, POL Storage, and trash areas/pads. A Fenced and Gated Portland Cement Concrete Paved Organizational Vehicle Parking and Asphaltic Concrete Paved POV Parking are required.

These facilities are capable of providing service to 750 personnel and work areas for an average of 300-500 person in each of the three VMF sections for multiple Military units.

VMF060 YRP, EUSA VMFs II

The EUSA Vehicle Maintenance Facility I (VMF 60) is a vehicle maintenance



VMF060 EUSA VMFs II

complex in parcel 2A. The project began on March 29, 2013 and was turned over to USAG Humphreys on Feb. 23, 2017. The total project cost was \$78.48 million and constructed by Daewoo Consortium as part of a four site package deal. The project criteria package was based on the Yongsan Relocation Plan and was a vertical construction project. The project provided three Company Operations Facility, three sets of Readiness Module 450-person/300-person, three Eighth Army HQ Medium Tactical Equipment Maintenance Facility and three Organizational Storage Building with Hardstand and six Hardstand Covers. Primary facilities include building information system and antiterrorism/force protection.

Supporting facilities consist of utility systems connections including water, gas, sewer, electrical, and storm drainage. Additional scope of work included sidewalks, curbs and gutters, site amenities, bike racks, HAZMAT waste shed, fuel oil tank, Oil-water separator, POL Storage, and trash areas/pads. A Fenced and Gated Portland Cement Concrete Paved Organizational Vehicle Parking and Asphaltic Concrete Paved POV Parking are required.

These facilities are capable of providing service to 750 personnel and work areas for an average of 300-500 person in each of the three VMF sections for multiple Military units.



Family Housing Resident Office

AFH050/060 YRP, Army Family Housing for General Officers and Senior Officers

Together with the AFH070 MOCT-funded housing project, AFH060 forms a looped housing community for senior officers and commander-level military personnel and their families. AFH060 includes 36 two-story duplex houses for a total of 72 units. Like the AFH070 project, each unit provides 2,900 square feet of living space, four bedrooms, and two and a half bathrooms. Neighborhood site amenities include a playground, multipurpose court, picnic areas, bus stops, bicycle racks, benches, trash receptacles, and a community jogging trail.

The AFH050 project will form Humphreys' second looped housing community area and is intended for general officers. It includes the house for the USFK Commander (which is currently under design), two single-story houses for high ranking generals, and 20 additional two-story houses. The major-

ity of the houses are approximately 4,000 square feet each. All of the houses are single houses, rather than duplex units, and will have a two-car garage. Like the AFH060 and 070 housing, they will all have four bedrooms and two and a half baths, exterior storage, visitor parking, and barbecue grill areas. Neighborhood site amenities at AFH050 include a playground, basketball court, tennis court, picnic areas, bus stops, bicycle racks, and a community jogging trail.

The contract was originally awarded on Feb. 27, 2014 and completion was scheduled for Dec. 2017. However, due to the financial problem of the original contractor, the project was on hold until a new contractor resumed work in April 2016. Completion is scheduled for end of April 2018 and end of May 2018 for AFH060 and AFH050 respectively. The 4-star General's house is currently on hold until redesign is completed. The contract value for this project is \$88.9 million, and it is 90 percent complete. FED is providing construction surveillance.

AFH070 ROKFC MOCT, Army Family Housing-Senior Officers

This project includes construction of eight 2-story duplex houses, for a total of 16 units at 2,900 square feet each. The houses are situated with the AFH060 project to provide a community housing area for senior officer and commander-level military personnel and their families. Each unit will have four bedrooms, two and a half baths, a driveway with a one-car garage or carport, exterior storage, visitor parking, a fenced-in private yard with patios, and a BBQ grill area. The units are made of structural concrete and have durable tile roofs and geothermal heating. The contract was awarded on Oct. 31, 2013 at a cost of \$13.3 million and completed and turned over to DPW in Nov. 2017. FED administered the contract.

AFH100 MILCON, Family Housing New Construction

This project consists of three 12-story family housing apartment towers to accommodate a total of 216 family dwelling units (144 three-bedroom units, 54 four-bedroom units, and 18 five-bedroom units) for Senior Non-Commissioned Officers (E7-E8) and their families. 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 the existing family housing apartment towers, and a separate project to construct a multipurpose athletic field is located adjacent to the project site. The project was awarded to Daewoo E&C on Aug. 31, 2017, and the total cost of the project to date is ap-

proximately \$122 million. The project is scheduled for completion in Nov. 2020. Currently the contractor has started excavation for the structures pile foundation.

SLQ010 YRP, Senior Leader Quarters Barracks

The Senior Leader Quarters (SLQ) consists of six 9-story buildings for 144 personnel each, and four 6-story buildings for 96 personnel each. Parking is provided in an underground lot, a 3-story-above-ground lot, and at ground level. Each floor of these facilities is designed to house 10 company grade officers and 6 field grade officers. Common SLQ areas include a mud-room, multi-purpose room, vending area, and an outdoor patio area. The facilities include passenger elevators and freight

elevators. The project was awarded to Hyundai Engineering & Construction on Nov. 2013 at a cost of \$268 million. Site #1 was turned over in Nov. 2017, site #2 was been turned over in Dec. 2017, and site #4 is scheduled for turn-over by early Feb. 2018. Site #3, which was designed as a multi-purpose athletics field, will be re-awarded to a new contractor in 2018. Currently, the project is at 99 percent completion with only a couple remaining deficiencies left for the contractor to correct before complete turnover to DPW.

SLQ031 ROKFC-in-Kind, Downtown Senior Leader Quarters

The Senior Leader Quarters consists of one 6-story building with two passenger elevators and one freight elevator for 96 personnel. Each floor has



AFH050 for General Officers, Type I



AFH050 for General Officers, Type II



AFH060 for Senior Officer



AFH070 Army Family Housing – Senior Officers



Rendering of AFH100 Family Housing New Construction



AFH100 Family Housing New Construction site

two wings, one wing of ten company-grade officer units, and the other of six field-grade officer units. Included in each unit is a private kitchen, living room, bed room, bathroom, and washer/dry closet. Common areas include a mud room and storage room with lockers on the ground floor, an outdoor break area and multi-purpose room on the 2nd floor, and vending areas on each floor. A gazebo and sheltered bike racks are also included outside the main entrance, and a 96-stall parking lot is provided adjacent to the site. The project is located across from Freedom Field and included demolition of the existing Freedom Chapel and six senior leader

housing units. The project was awarded to Seohee Construction Co., Ltd. on April 10, 2015, and the total cost of the project to date is approximately \$25 million. The project is nearing completion with a scheduled completion date in March 2018. Currently the contractor is finishing up interior architectural finishes and testing/adjustments to the heating, ventilation, and air conditioning (HVAC) system.

SPT010/011 YRP, Midtown Community Support Facilities I, II and AAFES Facilities

Three support project bundles were awarded at \$69 million to the Kumho Consortium on July 30, 2014. The bun-

dles include a total of 11 facilities, which are scheduled for completion in 2017. The projects will support the increase in population associated with the re-stationing of 2ID from Area I and the relocation of Yongsan Garrison as part of the Yongsan Relocation Program (YRP). Quality Assurance is performed by K-C PMC and FED is responsible for construction surveillance.

The Midtown Community Support Facilities I project contains six single-story structures, including the main post office, a branch post office, satellite fire station, automotive skills center, the main library, and the community main chapel, which includes a chapel and religious



SPT011 Athletic Fields



SPT010 Library



SPT011 Community Activity Center

education & family life center. To highlight one of these buildings, the community main chapel will be used for formal religious services. It will also facilitate religious education and family counseling. The main worship assembly area offers fixed seating for 600 and it is adjacent to an activity center that can expand the seating to 1,191 for special occasions. The facility also contains a catering kitchen, kosher kitchen, baptistry, four chaplain offices, NCOIC office, nursery, sacristy, multipurpose room, coat room, break room, staff toilets, men's and women's public toilets, civic plaza with a bell tower, and a Porte Cochere for dropping off passengers with walkway. The satellite fire station was turned over in Nov. 2017. The construction is 90 percent complete.

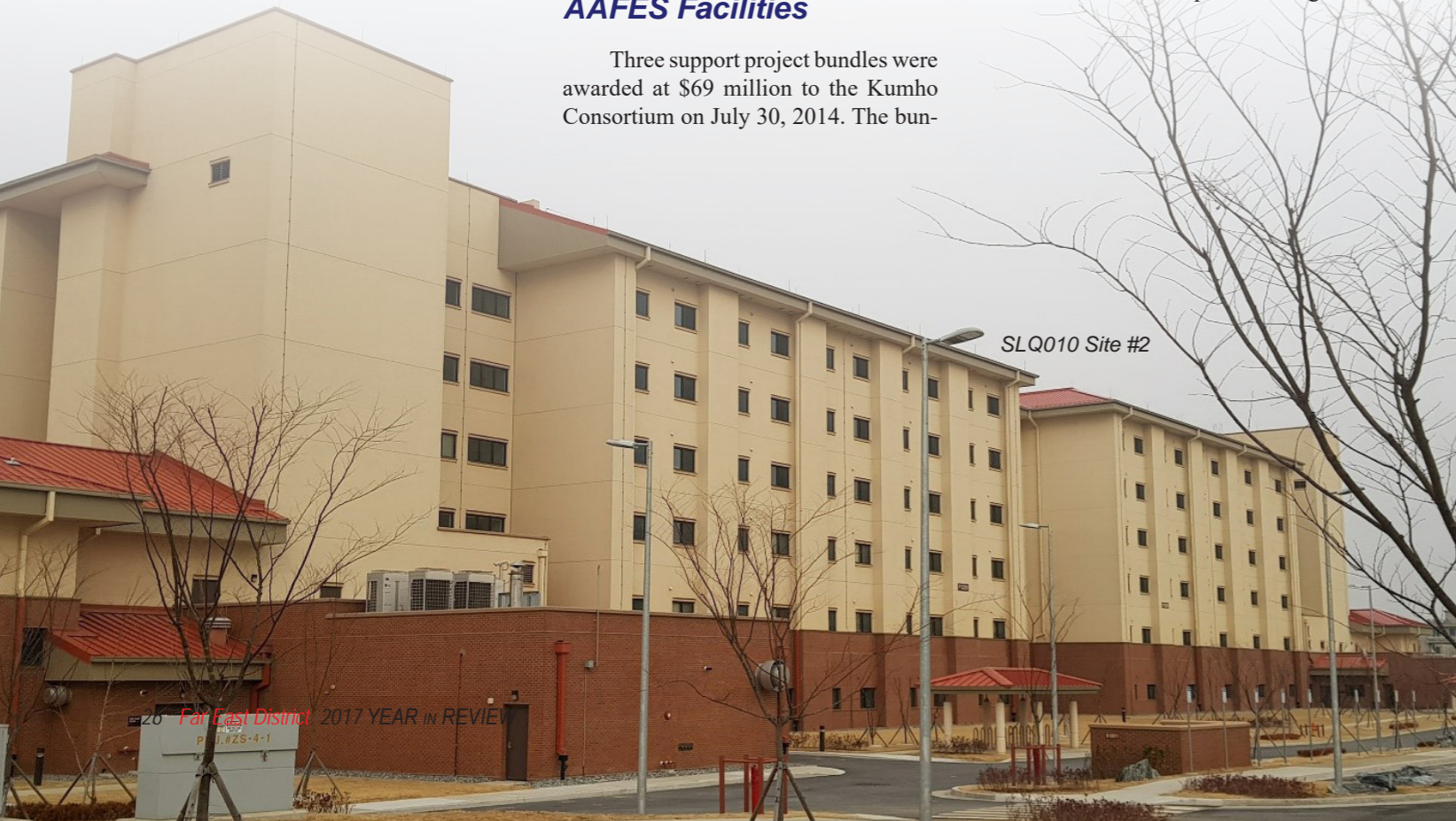
The Midtown Community Support Facilities II project includes a band training facility, a community activities center, and multi-purpose athletic fields

with a 2-story maintenance/utility building. Highlighting the multipurpose athletic fields, the fields will encompass one multipurpose 400-meter running track, a multipurpose playing field with synthetic turf for playing American flag football, soccer, rugby, or other sports, and two baseball fields with maintenance/utility building, dug-outs, and event areas. The band training facility was turned over in Dec. 2017. The multipurpose athletic fields were turned over in Nov. 2017. The project is 97 percent complete.

The AAFES Facilities project includes an exchange branch mini-mall and single-story dual food facility. The mini-mall includes a car care center, gas station, and Subway restaurant. The dual food building will house a Burger King and a Popeye's restaurant. The work is 84 percent complete.

TNG010 YRP, BCTC & Transient UPH

This project consists of a Battle Command Training Center (BCTC) with Exercise Billeting. The building will provide primary facilities for conducting computer driven battlefield simulation exercises to division level with links to other BCTCs, an exercise planning and coordination center, a training, readiness, and exercise, center, a large video conference center with standard and secure VCT, classrooms, secure and non-secure communication and building information systems, a rooftop antenna field, and UPS back-up power. The transient Unaccompanied Personnel Housing will provide exercise billeting for 800 personnel with latrines, showers, laundry washers and dryers, lounge, and internet café.



SLQ010 Site #2

Quality Assurance is performed by K-C PMC, and FED is responsible for construction surveillance.

The project was awarded in Feb. 2014 to Daeho Consortium at a cost of \$49.8 million and is scheduled for completion in Jan. 2019. The contractor is currently working on the installation of raised flooring, electrical conduits, interior finishes, mechanical vents and communication systems. The Transient UPH and parking lot are complete and scheduled to turn over to DPW in Jan. 2018.

TNG020A ROKFC-in-Kind, Simulation Center

The Simulation Facility will bring together a number of Korea's Army training facilities under one roof. It will include areas dedicated for Tactical Skills Trainers, Close Combat Tactical Trainer, Call for Fire Trainer and Stinger Trainer, Fire Support Combined Arms Tactical Trainer, Weapons Trainers including Engagement Skill Trainer and Laser Marksmanship, Digital Training Facility, Medical Simulation Training Center, Water Survival Training Center, HMMWV Egress Assistance Trainer, Chinook and Aviation Combined Arms Tactical Trainer Simulators and Gunnery



TNG010 Battle Command Training Center

Trainers, and Live Virtual Constructive Gaming Integrating Architecture training system. The project was awarded Dec. 24, 2012 for \$33.7 million to Seohee Construction Co., Ltd. The contractor is in the final inspection phase and schedule to turn over to DPW end of Jan. 2018.

TNG020B ROKFC-in-Kind, NCO Academy and Transient UPH

This project is the Non-Commissioned Officer Academy and Korean

Augmentation to the United States Army (KATUSA) Training Academy. The NCOA/KTA is a single U-shaped building that includes an administration component, general instruction component, a transient unaccompanied personnel housing area, auditorium, and parade ground. The project was awarded Dec. 18, 2012 for \$28.4 million to Keangnam Construction Co., Ltd.

The contractor is currently in the final inspection phase of construction and scheduled to turn over to DPW at the end of Jan. 2018.

TNG020B NCO Academy and Transient UPH



YRP, Elementary School, Middle School, and Early Development and Intervention Services

This project consists of an 876-student elementary school, a 1,100-student middle school, and an EDIS facility. The facilities include student classrooms, science, art, and music classrooms, a computer laboratory, physical and occupational therapy rooms, clinical and outpatient rooms, an auditorium, cafeterias, multipurpose athletic fields, multipurpose ball fields, a running track, and vehicular and school bus parking lot.

Quality assurance is performed by K-C PMC and FED is responsible for construction surveillance. The project was awarded in June 2013 to Daelim Consortium at a cost of \$116 million. The middle school was turned over in Jan. 2017 while the elementary school and EDIS were turned over in March 2017.

YRP, Mini Mall, MWR Restaurant, and KATUSA Snack Bar

This project consists of three support facilities around Zoekler Station: a mini mall, an MWR restaurant, and a KATUSA snack bar. The single story mini mall will include a gas station, food vendors, and retail sales. The single story MWR restaurant will have a banquet facility, bar, lounge, microbrewery, and an outdoor terrace. The single story KATUSA snack bar will be replacing the existing one at Yongsan and includes a beverage sales area, dining rooms, and an outdoor terrace as well. The project was awarded in March 2016 to Ilsung at a cost of \$13.6 million. At the start of the project, a cultural heritage trench trial survey was required to make sure that nothing of historical importance existed below each site location. Current ongoing work at all three sites consists of laying interior conduit, stud walls, and drywall. Wet work can resume when warmer weather conditions are present or proper winterization is done to prepare the site.

The project is approximately 55 percent complete.



Humphreys West Elementary School



Humphreys Middle School



Early Development and Intervention Services (EDIS) Facility

YRP, Unaccompanied Enlisted Personnel Housing

The scope of work is to construct 3-ca 8-story 302-person 1+1E Standard Barracks in accordance with the latest Barracks Specifications. Other supporting facilities include bike racks, generator and chiller enclosure, troop assemble

area and parking, water and waste water system and storm drainage system. Recreational facilities include basketball court, volleyball court and pavilions. Accessibility for the physically handicapped is provided. Project includes sidewalks, curbs and gutters, security lighting, heating, ventilating and air conditioning system, fire protection and alarm system, etc. The project was

awarded to Hanhwa Consortium on Nov. 2, 2017 at a cost of \$86,8 million.

The project is scheduled for completion in May 2020. Currently the contractor has completed clearing and grubbing and started excavation in preparation for structural pile foundation work.



Rendering of Mini Mall



Mini Mall Construction Ongoing



Rendering of MWR Restaurant



MWR Restaurant Construction Ongoing



Rendering of KATUSA Snack Bar



KATUSA Snack Bar Construction Ongoing

Medical Resident Office

MED020 YRP, Hospital and Ambulatory Care Center

The project was awarded in July 2012 together with the already completed and transferred dental clinic to Samsung C&T Corporation. The current construction cost for the Hospital and Ambulatory Care Center building is \$183 million. The building includes a hospital wing, and an outpatient clinical/ambulatory care center (ACC) wing. The hospital wing has six levels: basement through level 5 which includes a mechanical space at level 3. This wing primarily contains ancillary and inpatient support functions, and inpatient nursing units. The hospital has been designed to accommodate 68 inpatient beds (40 nursing/multi-care, 6 intensive care unit (ICU), 6 women & infant, 2 labor/delivery and 14 behavioral health). The clinic wing has five active levels (ground

through level 5) plus a mechanical penthouse on the roof. The clinic wing is primarily dedicated to outpatient clinical services and administration. The Hospital and Ambulatory Care Center is currently at 86 percent complete and is scheduled for transfer by Oct. 2018. The end user for this facility is the 65th Medical Brigade.

MED030 YRP, Medical Parking Structure

The project was awarded in May 2013 to Hanwha Engineering & Construction Co., combined with the Medical Brigade Headquarters, shared a construction cost of \$24.5 million. The parking structure will serve the Medical Complex Hospital, Dental Clinic, and the Brigade Headquarters. The parking facility is a five-story structure and provides vehicular and pedestrian circulation, both horizontally and vertically, and includes the

necessary miscellaneous support spaces including elevators, stairs, fire protection, electrical power, lighting and communications. The structure provides space for 1,000 private vehicles with three entrances/exits – one for the hospital (west), one for the Dental Clinic (east) and one for the Medical Brigade Headquarters and other traffic from the south. The parking structure was completed and transferred to USAG Humphreys on Oct. 25, 2017.

MED050 YRP, Midtown Medical Facilities

The Midtown Medical Facilities contract includes two projects – the Troop Medical Facility (TMC) and the Veterinary Clinic. Both projects were awarded for construction in Aug. 2013 to Lotte Engineering & Construction for a total construction cost of \$23.1 million. They are located in the new midtown area. The TMC is a two-story



MED020 YRP Hospital and Ambulatory Care Center

building with a gross area of 3,621 square meters. It accommodates functional requirements for medical, dental, and counseling for active duty soldiers and their dependents. The first floor includes optometry, audio testing, immunization, a low volume pharmacy, and general exam rooms. The second floor is dedicated to dental services with general, comprehensive, and oral hygiene dental treatment. Troop Medical Facility was completed and transferred to USAG Humphreys on March 27, 2017. The end user is 65th Medical brigade.

The Veterinary Clinic is a single-story building with a gross area of 1,765 square meters. The building accommodates functional requirements for veterinary services. The grounds includes adequate space for dog runs and exercise areas. Besides animal related functions, the Veterinary facility activities includes inspection, testing, and monitoring of human food, and surveillance of the human food supply on base. Veterinary Clinic Facility was completed and turnover to USAG Humphreys on Aug. 3, 2017. The end user is 65th Medical Brigade.

SLQ050 YRP, Renovate Downtown SLQs

Renovate Downtown SLQs at USAG Humphreys, South Korea under the Yongsan Relocation Program. Project was awarded to Shindongah Engr. & Const. Co., Ltd. on Aug. 18, 2014 for project value of ₩8.9 billion. This project converted three existing barracks buildings into Senior Leadership Quarters. The number of living units provided is 36 and one storage room in each of the buildings. Complete exterior and interior

renovation was required to convert the buildings to the new use. One passenger/freight elevator for each building was included as part of this project. Supporting facilities include underground utilities, security lighting, parking, paving, walks, curbs and gutters, fencing and gates, bike racks, dumpster pad/trash enclosure, storm drainage, exterior information systems, fire protection, site improvements and new fuel storage tanks. The facility was completed and turnover to USAG Humphreys on Nov. 15, 2017. The end user is 65th Medical Brigade.



MED050B Vet Clinic



SLQ050 Renovated Downtown SLQs

Pyeongtaek Resident Office

AV051 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 \$69.7 million. The contract was awarded to Hyundai Engineering and Construction by Ministry of National Defense – Defense Intelligence Agency in late Sept. 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 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 POL/Hazmat Storage; Battery Shop; covered 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 a 150 space 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 PCC paved. Contractor will construct the 2nd batch plant on base, located where the existing batch plant is currently located.

Contract Completion Date for this project is scheduled in Dec. 2019.

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

This \$15.55 million project was awarded to Yojin Construction & Engineering Co, by Ministry of National Defense – Defense Intelligence Agency (MND-DIA) in Aug. 2016 that is located at USAG Humphreys, Korea. Specifically, along the North-West intersection of Taxiway “B” (Bravo) and Taxiway “T” (Tango). This phase of the project requires the construction of parallel taxiway extension (Taxiway Extension-2) from the existing AV050 apron/taxiway to connect to existing Taxiway “B”. Construction and relocation of the airfield lighting Regulator Building (in-

AV051 RC-12, Storage Wall





Rendering of AV051 3rd MI Aircraft Maintenance Hangar Complex

cluding all connected utilities), and construction of a new taxiway (Taxiway Extension-1, which will function as a taxi lane at end-state) that will connect Taxiway "T" to the AV010 Aircraft Parking Apron. It includes maintenance of the de-watering systems, slurry wall and anchoring systems, and geotechnical instrumentation systems for a period of 12 months after project turnover.

The new Taxiway Extension-1 shall be PCC paved with Asphalt shoulders, whereas the new Taxiway Extension-2 shall be PCC paved and having both PCC and AC shoulders. The AC shoulders on Taxiway Extension-2 shall be removed upon Phase-2 construction. The new Regulator Building will be of concrete or masonry construction meeting all codes for the type of structure. New Constant Current Regulators (CCRs) shall be installed and made operable before demolition of the existing CCR Building. All equipment in the new Regulator Building shall be new. Equipment in the old Regulator Building shall be turned over to the user.

Contract Completion Date for this project is scheduled in Dec. 2019. But due to no release of Phase II parking apron, project may be delayed until end of 2020. CCR Building is scheduled to complete in Aug. 2018.



Rendering of C41050 Administration Building



C41050 Administration Building



Rendering of AV062 Type II Aircraft Parking Building

C41050, ROKFC-in-Kind, MI Field Station

This \$11.1 million Project Zoeckler Station administration, Training and Support Facility consisting of a 2-story building that will primarily serve as administrative offices for the 501st MI Brigade and their contractor personnel. The contract was awarded to Fine Construction Co. by Ministry of National Defense – Defense Intelligence Agency in late Sept. 2015.

This building will provide support space to the neighboring Black Hat Project. The facility is a steel structure with re-bar concrete (Type II-B Construction) that's 3,479 square feet (1st floor 1,733 square feet, 2nd floor 1,735 square feet) which will hold 68 person and 100 students. Also, there are PCC paving (service yard) and Asphalt paving parking (167 parking stall) areas, bicycle shelter, trash enclosure, and gazebo.

Contract Completion Date for this project was originally scheduled for Aug. 2017, but due to differing site conditions (Relocation of Graves and C4I utilities) it is extended to April 2018.



AV062 Electrical Duck Work

HQ041 ROKFC-in-Kind, Duplex Company Operations, Zoeckler Station

This project was awarded in Aug. 2017 with 720 calendar-day construction duration and about \$7 million of contract amount; and is to construct a standard design duplex Company Operations Facility (COF) with Integrated Admin/

Readiness Module for two companies, two attached 100-person readiness modules, and two 100-person covered hardstands. The administrative module will include private offices, training rooms, space for storages, shared office space for platoons and consolidated utility space to serve the entire facility. The readiness module will include readiness bays to provide accommodation for individual combat equipment, locker or all



Rendering of HQ041 Duplex Company Operations

unit personnel. Company Operation Facility and Covered Hardstand have the floor areas 22,195 square feet and 3,358 square feet respectively and Company Operation Facility is one story building with mezzanine. The finished facilities consist of loading/service areas, information systems, fire protection and alarm systems, Intrusion Detection System (IDS), and Energy Monitoring Control System (EMCS) connection at USAG Humphreys.

HQ050A YRP, Type II Aircraft Parking Apron Surface

The scope includes demolition of existing taxiways shoulders; demolish and relocate electrical and communications conduit, manholes, handholds and existing storm drainage. Install new concrete apron to include a 15-meter wide primary taxiway. Install 7.5-meter asphalt shoulders on the north side of the new taxiway. Install storm drainage culverts, manholes, concrete trench

drains and inlets. Install parking spots for one grounding point, six tie downs for rotary wing aircraft and fixed wing aircraft, with signage and striping. Install new fire protection main, with fire hydrants on the north side of the apron.

K-C PMC is the QA-Facilitator for the contractor Mi Dong Engineering & Construction Co. Ltd. The contract value for this project is \$7.76 million. FED is providing construction surveillance.

HQ080 ROKFC-in-Kind, Second Infantry Division Headquarters Facility

This project is a new command and control facility for the 2nd Infantry Division. The 2nd Infantry Division headquarters will provide space for the command and control functions, staff support for the Division. The building will provide the physical space and the global information grid connectivity necessary for normal operations, collaborative planning, and routine and secure telecommunications.

This project was awarded in Dec. 2015 to POSCO E&C Co. at a cost of \$54.03 million and was turned over to the user in Aug. 2018. The Beneficial Occupancy Date is scheduled on March 31, 2018.

The current progress of construction is 95 percent complete and DPW final inspection is planned on Feb. 12, 2018.

HQ110 MCA, Battalion HQ Complex

This \$25.9 million project was awarded to Hyosung Contractor and provides an 112,411 square feet battalion headquarters complex. Primary facilities include a standard design battalion headquarters with classrooms, company operations facility with covered hardstand, vehicle maintenance shop, organizational vehicle parking, organizational storage, oil storage, and hazardous waste storage.

Facility was turned over Aug. 31, 2017 and has completed the LEED Silver



Rendering of HQ080 2nd ID Headquarters

certification process for the Battalion Headquarters, COF, and TEMF. This is the first FED USFK project to be LEED Silver Certified.

UEH020B MCA, Brigade Headquarters Complex

This \$35.3 million project was awarded to ECCI, U.S. contractor. Project provides a 74,852 square feet,

2-story Brigade Headquarters with secure areas. Primary facility also includes special foundation, antiterrorism measures, back-up generators and building information systems. Supporting facilities include exterior utilities and lighting, paving, walks, curb and gutters, and an above ground walkway connecting to the Battalion HQ facility.

The facility was turned over on Jan. 12, 2018.



HQ080 2nd ID Headquarters

UEH020B MCA, Battalion Headquarters

This \$5.6 million project was awarded to Chung Kwang Construction, Korean Contractor. Project provides a 61,548 square foot, one story battalion HQ facility adjacent and connected to the brigade HQ. It contains administrative spaces for two battalions.

The facility was turned over on Jan. 18, 2018. Furniture contractor has installed the initial office and cubicle



HQ110 Battalion Headquarters Building

equipment and will return in Feb. to complete installation.

UEH050 ROKFC-in-Kind, Unaccompanied Enlisted Personnel Housing

This project consists of three, eight story barracks buildings and the combined exterior civil works and utilities for both UEH050 and UEH051 sites. Each building will be able to accommodate 288 unaccompanied enlisted Soldiers providing them their own room with a shared common space. This project was awarded on May 26, 2015 to Hanwha Engineering and Construction at a cost of \$74.8 million and is expected to be turned over by Sept. 27, 2018.

UEH051 ROKFC-in-Kind, Unaccompanied Enlisted Personnel Housing

This project includes three 302-person barracks for Unaccompanied Enlisted Personnel. Each barracks has eight floors; the combined total floor area of the three Barracks is 32,616 square meters. These three barracks will house a total of 906 soldiers.

This construction excludes site work. The adjacent contractor UEH050 will finish all exterior site work after the completion of this project.

The project was awarded in May 2015 to Hyundai E&C at a cost of

\$59.5 million. FED is providing construction surveillance. The project is scheduled for completion in May 2018. The contractor is currently working on finishing works and measurements of flow rate and balancing for HVAC and plumbing system (TAB) & Commissioning the barrack towers. The project is approximately 95 percent complete.

UEH110 ROKFC-in-Kind, Unaccompanied Enlisted Personnel Housing

The project site is located in between 9th and 11th streets and main access way will be from 9th street and E Avenue. The project is to construct three 302-person eight-story Unaccompanied Enlisted Personnel Housing (UEPH) per the current Army Standard for UEPH at USAG Humphreys and each barracks has floor area about 120,000 square feet. The

project was awarded in Sept. 2016 with a construction cost of \$96 million. The UEPH barracks will include private modules with individual living/sleeping rooms, and each room shall contain closets and a combination of shared 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 such as stairs and corridors; mechanical, electrical, and communication spaces; exterior boot wash areas; and outdoor storage buildings. UEHP 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.



UEH20B 501st Brigade Headquarters Building



UEH020B Battalion Headquarters



UEH050 Unaccompanied Enlisted Personnel Housing



UEH110 Unaccompanied Enlisted Personnel Housing

One of the three towers shall contain a fire pump room. Supporting facilities include underground utilities with utility monitoring and control system (UMCS); two multi-purpose recreation courts; three 30-person gazebos; one BBQ shelter; eight covered bicycle racks; and landscaping.

VCC010 ROKFC, Visitor Control Center-Pedestrian Gate

In order for the local community, Pyeongtaek city, to widen the road in front of the old Visitor Control Center (VCC), this project was funded by city hall. This project is to construct new Humphreys Pedestrian Gate which includes a Visitor Control Center, Gazebo, Covered Bicycle Rack, Break Shelter and perimeter fence.

This project was awarded in Oct. 2016 with about \$3 million; and new Visitor Control Center, Bldg. No. S-1442 and Break Shelter, Bldg. No. S-1444 have been turned over and operated since



VCC010 Visitor Control Center - Pedestrian Gate

Oct. 2017. The second area, which was issued after completion of new VCC is under construction to provide gazebo with BBQ grill, bicycle rack and other supporting utilities.

Project is schedule to be completed in April 2018.

VMF101 ROKFC-in-Kind, HBCT VMFs IV

This \$54.6 million ROKFC-in-Kind

project includes two adjacent sites, each one including a standard design Large Tactical Equipment Maintenance Facility (TEMF), Company Operations Building, two Readiness Buildings, POL and Hazardous Storage, Organizational Storage, Covered Hard Stands, an Unmanned Aerial Vehicle (UAV) Storage, Guard House, Bike Rack, and Trash Enclosure Facility.

Project completion is scheduled for March 2018.

IDIQ, Repair of Road D Avenue

This project is the repair of D and D-1 avenues (also known as 13th and Bayonet Street). When constructed, both of these roads were missing a drainage layer and are now they are in dire need of repairs. Both roads will be reconstructed to include the previously absent drainage layer. This project was awarded on Sept. 7, 2017 to Fine Construction at a cost of \$1,076,833.64 with a contract completion date of Aug. 12, 2018.

IDIQ, General Elevator Repair at Building 122 and 302

This project consists of repairing the customer and service elevators for the Army Lodge in building S-122 and replacing the handicap elevator on the exterior of building S-302. This project was awarded on Aug. 16, 2017 to Fine Construction at a cost of \$549,706.21 and has a contract completion date of June 12, 2018.

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 U.S. Army installations in Area III & IV, Korea. This contract involves a wide variety of individual construction-type projects by issuance of task orders.

This contract was awarded to Sunglim Engineering & Construction and as of Jan. 2018, Twenty JOC task orders have been awarded with five completed and nine other either under construction or pending close out documents. The combined cost of all awarded task orders is over \$18.3 million.

JOC, Area III Job Order Contract

IDIQ, Replace AFFF System in Aircraft Hangars

This project is to replace the aqueous film-forming foam (AFFF) systems in ten different aircraft hangars along the runway. The system replacement includes removal, disposal, and recharging of the AFFF at each hangar. This project was awarded on Sept. 7, 2017 to Wooseok Construction at a cost of \$2,735,178.48 with a contract completion date of May 13, 2018. Physical construction for this project is scheduled to begin in March 2018.



Road Repair D Avenue



Repair of Storm Drainage



Repair of Current Softball and Baseball Field at High School

Osan Air Base Projects

ROKFC-in-Kind, Morin Gate and Base Perimeter Fence

The contract for this ROKFC-in-Kind project was awarded on Oct. 30 2015 with construction completion scheduled for June 30, 2018. This \$34.3 million project is to construct access control facilities at the Morin Gate, which include a visitor control center, vehicle inspection canopies with guard booths, gate house, overwatch building, new entrance roads, and replacement of 5,629 meters of existing boundary/perimeter fencing with reinforced concrete perimeter wall fence. Also included are 19 observation towers at various intervals along the perimeter fence.

During the 2017 calendar year, all utilities and building structures, includ-

ing roofing and exterior finishes, for the Morin Gate facilities were completed, including an 893-meter long sewer line running through one of the main thoroughfares of the installation. This sewer line work required close coordination with the base to minimize traffic disruption and ensure a safe working environment for both contractor personnel and civilians passing through. The concrete placement for the entire perimeter fence has been completed, including the building structures for all guard towers. These towers will have bullet resistant windows and gun ports, providing base security personnel a view at 25 feet above grade.

This project will substantially improve the security of the base with an

access control system and intrusion detection system (IDS) that will ensure the safety and deterrence of security threats to airmen stationed at Osan. As of January 2018, the construction is 84 percent complete, with commissioning, performance verification testing, final inspections, and turnover to the Air Force by June 2018. The traffic management system, in particular, requires field tests and a phased endurance testing taking place over a 2-month duration, to ensure proper functioning of the active vehicle barriers (AVB). These security features provided by this project will accommodate changes in force protection climate, as well as provide the flexibility to handle future technologies, a changing threat level, and changes in operations.



Morin Gate and Base Perimeter Fence

ROKFC-in-Kind, Main Runway Repair

The repair of the inside runway was awarded on Sept. 30, 2016, as a ROKFC-in-Kind project for a total of \$51.2 million. Osan holds the Air Force's oldest runway, which was built in 1952, and has supported countless operations from the Korean War to today. This project is a much awaited and much needed full replacement by unbonded PCC overlay to the entire runway surface, including asphalt concrete shoulders, airfield lighting system, and the runway overruns. Due to the base's requirement to maintain an active runway throughout the construction, this project is being built in five distinct phases, with each phase being completed in its entirety before moving to the next phase.

Phases 1 and 2 on this project begun with two temporary taxiways located at both ends of the runway, to provide all aircraft with access to the Second Runway (completed in 2015) during construction. A portion of this work was completed during a runway closure that required all aircraft operations to be moved off peninsula for a 30-day period starting June 2017. These temporary taxiways were completed and turned over in Dec. 2017, with Phase 3 construction on the Main Runway itself beginning the following week. The contractor's



Main Runway Repair



HAZMART Complex

on-base concrete batch plant has been completed, and demolition of asphalt and electrical lines along the entire runway is in progress. This project is scheduled to be completed in Aug. 2020.

ROKFC-in-Kind, Construct HAZMART Complex

The construction contract for this \$7.2 million ROKFC-in-Kind project was awarded on Sept. 2, 2015, as Part 2 of the Aircraft Corrosion Control Facility project, which was split due to funding limitations. The construction was completed and turned over to the Air Force in Aug. 2017. The project's work scope was to construct a new Hazardous Material storage and admin facility (HAZMART), warehouse, covered outside storage for hazardous materials, and a Covered Cylinder Storage for the relocation of compressed gas cylinders. Demolition of one aircraft hangar located on the footprint of these facilities was included in this contract. These newly completed facilities will provide a single point of control for the management, accountability, and tracking of the

distribution and use of all hazardous materials brought on Osan Air Base.

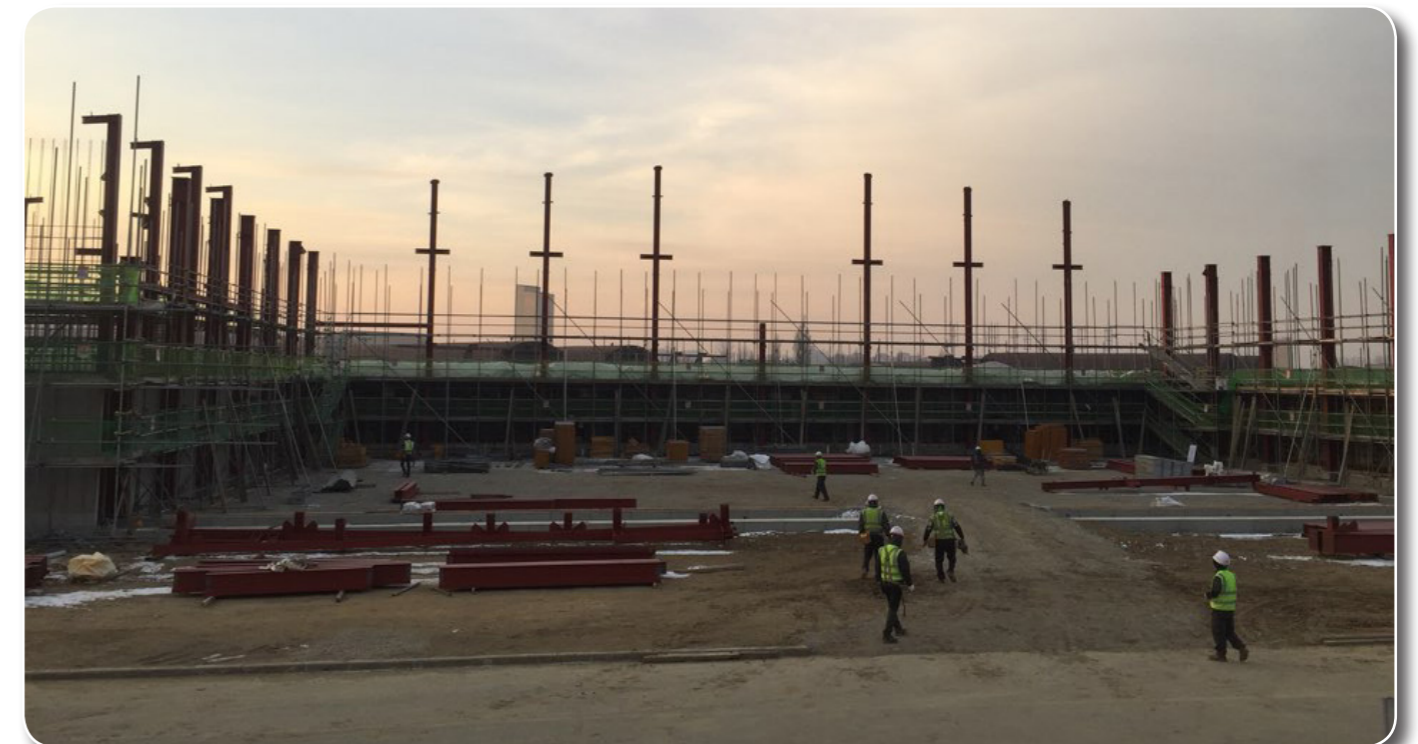
ROKFC-in-Kind, Aircraft Fuel Maintenance Dock

The construction contract for this ROKFC-in-Kind project was awarded on Sept. 8, 2016. This \$15 million project will be for the primary fuel system maintenance dock. The current facilities are inadequate which cause a maintenance backlog of F-16 and A-10 aircraft. The

new facility will be larger and better equipped to ensure our fighters are able to receive critical maintenance. The facility will additionally include safety systems such as vapor detection, splinter and chemical protection, and better fire protection to ensure that the aircraft and crews are protected. During 2017, the contractor completed the foundation, erected concrete walls and steel framing, and laid conduit and piping for utilities. The Aircraft Fuel Maintenance Dock is scheduled for completion in Oct. 2018.



Rendering of Aircraft Fuel Maintenance Dock



Aircraft Fuel Maintenance Dock

**ROKFC-in-Kind,
Construct F-16 Quick
Turn Pad**

The construction contract for this ROKFC-in-Kind project was awarded on June 15, 2017 for a total of \$4.5 million. This project will build an aircraft pad to park six F-16's with the ability to taxi behind parked aircraft and in close proximity of each other. The end result will be substantial reduction in manpower and travel time, with estimated 4,000 man hours per year saved. In addition to the PCC concrete pad, this project will provide flood lighting to support night operations, steel revetments, line markings, and jet blast deflectors. These jet blast deflectors are concave corrugated sheet metal structures designed to deflect the force of jet blast wind and fumes upwards, in order to reduce the damaging effects of aircraft engine fumes on personnel and the environment. Construction began in Dec. 2017 and is scheduled to be completed in the spring of 2019.



Rendering of F-16 Quick Turn Pad

The project includes repair of interior finishes; replace HVAC system; distribution piping, duct lines and controls; replace electrical systems including the transformer, switches, panels and feeder line; replace backup power generators; replace lighting/fire alarm/communications; replace fire detection and protection system; and construction of a new semi-hardened structure mechanical room with a retaining wall. The project is to provide a properly designed and configured HVAC system and electrical system to support current and increasing future mission requirements. The project also provides repairs and selective de-

molition of components within the facility.

During the past year, the contractor has begun installing temporary HVAC system for 1st floor of the Building. Currently the contractor is working on 2nd and 3rd floor temporary HVAC system installation.

**ROKFC-in-Kind, 607th
ASOG/SOCKOR Facility**

The 607th Air Support Operations Group (ASOG) and Special Operations

**ROKFC-in-Kind, Repair
Critical Communications
Node, Comm HQ B949**

The construction contract for this ROKFC-in-Kind project was awarded on Aug. 8, 2016 and the current completion schedule is Aug. 11, 2019. This \$11 million project will upgrade electrical/HVAC systems on the 1st floor of B949.



607th Vehicle Storage Building



607th Administration Building



694 ISRG Secure Storage Facilities

**ROKFC-in-Kind,
Construct 694 ISRG
Secure Storage Facilities**

The construction contract for this ROKFC-in-Kind project was awarded on July 19, 2016 with construction completion scheduled for Sept. 2018. This \$4.9 million project is to construct two Secure Storage Facilities approximately 1900-square meter for 694th Intelligence, Surveillance and Reconnaissance Group (ISRG). Contractor has completed placing concrete for both of the structures, has completed EPDM roofs, and EFIS wall system for both facilities. Contractor is working on finishing the interior concrete walls, painting, construction offices in the administrative areas, and installing fire suppression and alarm systems.

Command Korea (SOCKOR) project was awarded on Aug. 8, 2016 and is scheduled for completion in Oct. 2018.

The scope of this \$17 million project includes the demolition of five buildings along with various other small structures and the construction of an Administration building and a Vehicle Storage/Special Operations building. The Vehicle Storage building includes a

100-foot tall parachute drying tower.

During the past year, the contractor has completed all framing and roofing, placing concrete for the exterior walls and installing the EIFS. They have also completed framing and panel walls for the parachute drying tower. They have begun laying out the interior walls and installing the HVAC System. They are 43 percent complete with the project.

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

The construction contract for this ROKFC-in-Kind project was awarded on Sept. 30, 2016 with construction completion scheduled for July 19, 2020. This \$142.4 million project is to construct 46 Large and 9 Small Munitions Storage facilities. Supporting facilities include



Rendering of the 607th Air Support Operations Group and Special Operations Command Korea Facility



Munitions Storage Area (Alpha Site)

inert storage facilities, ISO pads, entry control, and defense fighting position facilities. Contractor has installed 2/3 of settlement monitoring instruments, cleared the project site by removing a layer of topsoil, completed approximately 30 percent of engineered fill work (1M CM), demolished old village (60 single home buildings), installed concrete piles and caps for box culverts, and is currently working on installing piles for retaining wall on the South West side of the project site.

ROKFC-in-Kind, Air Freight Terminal

The construction contract for this ROKFC-in-Kind project was awarded on Sept. 29, 2017 and the completion is scheduled for Nov. 2020. This \$29 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 sys-



tem. 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. Contractor is preparing to construct a field office, material laydown area, and temporary fencing prior to starting demolition activities.



VIP Hangar and Parking Pads

YRP, VIP Hangar and Parking Pads

VIP Hangar and Parking Pads construction project is a FY14 YRP project, funded by the Republic of Korea Ministry of National Defense, awarded in Feb. 2017 and began construction in April 2017. This \$8.7 million project is to renovate two hangar buildings 1161 and 1171, and administrative building 1187. The hangars are to provide both Aviation Unit Maintenance and Aviation Interme-

diat Maintenance for C-12U and C-12J fixed wing aircraft and provide aviation support functions. A section of the building 1187 will be utilized by the U.S. Army for administrative purposes. The project's work of scope consists of installation of high expansion foam fire suppression system and one ton hoist crane, demolition of existing berms, replacement of existing ceiling and metal roof, upgrading existing mechanical system, and installation of electrical and fire alarm system. Over the past year, the



Rendering of Air Freight Terminal



Hospital Addition and Alteration

contractor completed micro-pile construction, placed foundation concrete for the micro-piles, and installed steel structure for the one ton hoist crane. The current construction complete date is scheduled for Sept. 2018.

DoD Medical MILCON, Hospital Addition and Alteration

The construction contract for this DoD Medical MILCON project was awarded on Sept. 28, 2013 and is scheduled for completion in Nov. 2018. This \$22.3 million project will add approximately 26,000 square feet to the existing Osan Air Base hospital (about 27 percent increase in size) and renovate approximately 24,000 square feet. The added space will provide new or renovated areas for family practice, pediatrics, OB/GYN, optometry, immunizations, physical therapy, dental clinic, warehouse, and administrative support functions for the 51st Medical Group. Over the past year, the contractor renovated the existing Hospital creating new spaces for Physical Therapy, Tricare, Public Health, and Optometry. Phase 2 was completed in Nov. 2017 and preparation for Phase 3 began. The project is 88 percent complete overall and Phase 3 is currently ongoing.

Air Force IDIQ, Repair Fire Protection and Electrical Power System, B843

The construction contract for this Air Force IDIQ project was awarded on Sept. 29, 2016 and is scheduled for completion in Aug. 2018. This \$2.7 million project will add a fire detection and suppression system to the B843 maintenance hangar, which is used to inspect, maintain, and perform corrosion control on highly sensitive reconnaissance aircraft. The contractor has installed fire sprinklers and constructed two new buildings to house the foam tanks and fire pump equipment. They will install and connect the remaining fire suppression and electrical power system this year.

O&M, Repair Fire Protection for Pump House B846

The construction contract for this operations and maintenance project was awarded on Aug. 21, 2017 and is scheduled for completion in Oct. 2018.

This \$450 thousand project will repair the fire suppression system in pump house B846 that services aircraft shelter B851. B851 is used to inspect, maintain, and perform corrosion control on highly sensitive reconnaissance aircraft. The sprinkler and foam systems for B851 will be replaced in a future project, but renovating B846 now will enable the future project to finish faster. The contractor started demolition work in Dec. 2017.

O&M, Repair Fire Protection for Aircraft Shelter B849 and Pump House B848

The construction contract for this operations and maintenance project was awarded on Aug. 21, 2017 and is scheduled for completion in Oct. 2018. This \$3 million project will repair the fire suppression system in pump house B848 that services aircraft shelter B849. B849 is a dual-bay hangar that is used to inspect, maintain, and perform corrosion control on highly sensitive reconnais-

sance aircraft. Along with installing an improved fire-fighting foam system, other necessary electrical, mechanical, and architectural renovations will be made to B849. The contractor started demolition work in Dec. 2017.

Air Force IDIQ, Repair CPS Systems for Multiple Dorms

The construction contract for this Air Force IDIQ project was awarded on Aug. 12, 2016 and was completed in July 2017. This \$1.1 million repaired the Collective Protection System (CPS) for multiple dorms on Osan Air Base. The CPS is the system that protects the air-supply of dormitories from chemical attacks. The contractor replaced the fan filter assemblies, duct transitions, or other CPS controls and accessories for five dorms.

IDIQ, Repair HVAC for War Gaming Center

The scope of this \$3.7 million project includes repairing the HVAC system for the first and second floors as well as renovation of the second floor which consists of new carpet, paint, and ceiling tiles. An upgrade in their electrical system and fire alarm system is also included in this project. In the past year the contractor completed demolition,

installed the new air handling units (AHU's), computer room air conditioner (CRAC unit), built the mechanical room addition, and is currently working on the access floor and communication raceways on the second floor.

This project is approximately 88 percent complete.

Repair Fire Protection System – Building 1729

The project was awarded on Aug. 11, 2014 and was completed in Aug. 18, 2017. The scope of this \$3.1 million project included the installation of an automatic fire suppression system with sprinklers, foam storage tank with pump and foam mixing devices, as well as associated controls and supporting facilities for Hangar 1729.

Over the past year, the contractor completed the installation of new automatic fire suppression system. The building was accepted and placed in service on Aug. 19, 2017.

Repair HVAC System for Pacific House Dining Facility (“PAC House”)

This project repaired and upgraded the Air Forces’ oldest enlisted dining facility in the Pacific, built in 1958. This projects was awarded on March 24, 2016 and completed in Oct. 2017. The



Repair of Fire Protection System for Hangar 1729



Airfield Paving

scope of this \$2.6 million project included the installation of a new HVAC system to include piping, ductwork, controls & accessories, DDC system to integrate to the base EMCS, repairing electrical system by replacing panels, switches and lighting fixtures, replace interior finishes at ceiling, floor and walls, repaint the whole interior and exterior of the building, replace plumbing fixtures, domestic water lines and sewer lines, remove fire pump system from the mechanical room by a result of water pressure test in the field, as well as selective demolition of facility interior.

Over the past year, the contractor completed the construction and placed in service on Nov. 1, 2017.

Repair Science Lab/ Classroom

This \$700,000 project is to repair Multipurpose Science Labs, the Preparation Room (Prep RM), and Chemical Storage Room (C/S RM) in accordance with 21st Century DoDEA Education Facilities Specifications that meets the National Science Teachers Association (NSTA) standard for student safety.

The project was awarded in April and completed early January. The new Science labs now have new flooring, work stations, additional eye wash stations, and a new acid neutralization tank to prevent chemicals getting into the sewer system.

Air Force Job Order Contract (JOC)

This year, 12 new JOC projects were awarded for a total contract amount of \$7.74 million. The scopes of work for these projects are diverse and included repair of hardened aircraft structures, senior officer quarters, dormitories, munitions support facilities, and utility systems. In 2017, work was completed on many task orders that were awarded in the previous fiscal year which included repairs to hardened aircraft structures, dormitories, repairs to various sewage lift stations, and mechanical/HVAC repairs and upgrades to two hi-rise military family housing towers.

Airfield Paving IDIQ

In 2017, the Airfield Paving IDIQ contractor Yibon performed concrete slab, spall, and crack repairs on the runway, taxiways, and in aircraft parking areas under multiple task orders. The contractor also repainted many of the line markings on the airfield.

OMAF, Repair HVAC Aerospace Ground Equipment Maintenance Facility, Suwon Air Base

This project was awarded to Korea Engineering Consultants Corporation on

Sept. 2, 2017 in the amount of \$1,349,340. The scope of this project includes replacement and upgrades to the HVAC system, roof replacement, replacement and upgrades to fire protection piping and fire alarm/ mass notification systems, and interior electrical, mechanical, plumbing, and architectural repairs. Work is scheduled to start in early 2018 and complete in Oct. 2018.

JOC Projects, Northern Resident Office (Seoul Project Office)

The Central Resident Office is absorbing the construction projects located in Areas 1 and 2. The former Northern Resident office at Yongsan Garrison was designated the Seoul Project (SPO) effective Feb. 4, 2018.

Thirteen JOC task orders were awarded in 2017 for various SRM projects in Areas 1 and 2 totaling approximately \$2.5 million. This includes nine projects at Yongsan garrison consisting of mechanical/HVAC repairs and utility upgrades of various facilities, one project at CP Tango, and three small projects for facility upgrades at other outlying installations.



Repair HVAC System for Pacific House Dining Facility

Area IV Projects

Barracks and Company Operations Headquarters



MILCON, Army Family Housing Tower 1

This \$45 million project is the first of the four planned projects to alleviate the on-post housing shortage. Currently, of the enduring requirement for 410 dwelling units, there are only 72 dwelling units available on post. Constructing this tower will help support the readiness requirement and provide adequate housing for soldiers and their families assigned in USAG Daegu. This tower will provide 90 apartments (four 5-bedroom units, 26 four-bedroom units, and 60 three-bedroom units) for Company Grade Officers and their families. It includes a parking structure, neighborhood amenities and supporting infrastructure at Camp Walker. This construction started on Aug. 19, 2015 and is estimated to complete on July 8, 2018.

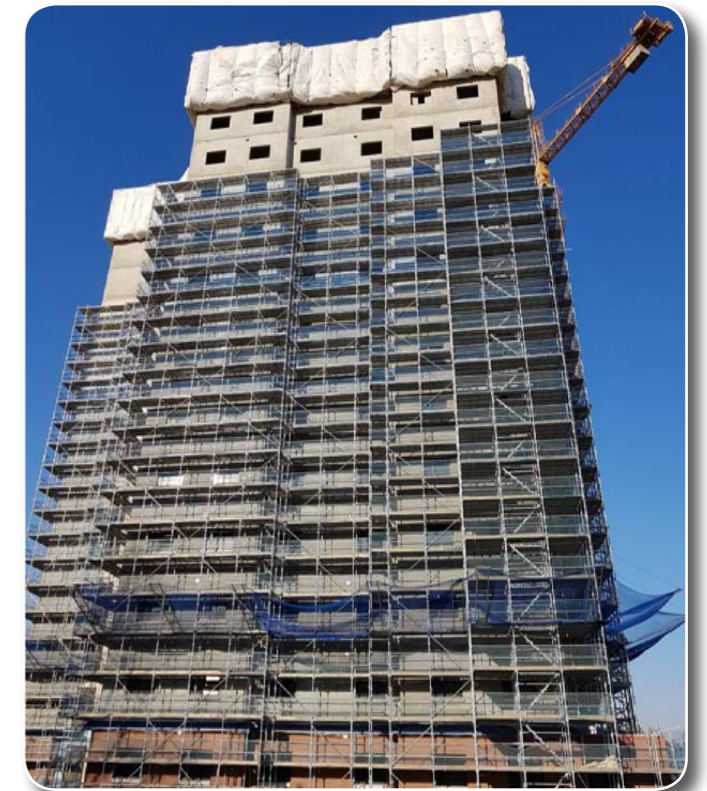
MILCON, Army Family Housing Tower 2

This project is the second of the four planned projects to be constructed at Camp Walker. Just like Tower 1, this project is required to support the existing command sponsored personnel that currently resides at one of the dwelling units located at Camp George which is planned to be demolished. Without the new AFH Towers, the personnel will be forced to reside in off-post housing which will degrade mission requirements due to the dispersion of key personnel. At a contract cost of \$45,000,000, this tower provides 90 apartments for Company Grade Officers along with Senior Non-Commissioned Officers and their families and a parking structure with the same amenities as AFH Tower 1. This project started on Sept. 26, 2016, and estimated to complete in late Feb. 2019.

LPP-in-Kind, H-805 Relocation

One of the few Land Partnership Plan (LPP)-in-Kind project in Area IV, this \$22 million project started on Dec. 30, 2015

with an estimated completion date of July 11, 2018. The H-805 Relocation project consists of four project sites, two in Camp Walker and two in Camp Carroll. Site 1 in Camp Walker is the residual of what will remain as U.S. 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 containers. In Camp Carroll, a new H-832 helipad, parking pads for CH-47 helicopters, POV parking, and



Army Family Housing Tower 1



H-805 Helipad, Camp Walker



Army Family Housing Tower 2

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.

ROKFC-in-Kind, Special Operations Facility and Barracks

Located at the Commander Fleet Activities Chinhae, a U.S. Navy installation, the \$20 million project addresses SOCKOR

requirement to provide a self-contained and isolated Navy SEAL Operations facility along with multipurpose operational facility support to the Navy Special Warfare group 1, a Navy Explosive Ordnance Disposal Detachment, and other Maritime Crisis Response Forces. The project includes a warehouse, vehicle maintenance bay, equipment and weapons storage, administrative offices and living space. The facilities are necessary to accommodate SEAL platoon and forces allocated to SOCKOR which are currently unavailable. Key features include a joint tactical operations center, operations floor capable of

24-hour operation if necessary, an operational gear storage room, pallet high bay staging area, boat maintenance shop with 10-ton top running crane, battery lab, SCUBA maintenance shop, O2 safe room, tank charging stations, compressor room, and a physical training facility. Barracks facility comprises three full levels and will accommodate up to 48 person which will include, lounges, bathrooms, and kitchen space. This project is scheduled to be completed in Nov. 2018.

ROKFC-in-Kind, Operation Complex

Located inside the ROK Airbase in Daegu, this 6.8 million dollar construction was awarded on July 27, 2016 and is estimated to be completed by July 27, 2018. The scope of work includes renovating five existing buildings and constructing a brand new Vehicle Maintenance Facility along with associated utilities and a parking lot. The Special Operations Command – Korea (SOCKOR) will be utilizing the buildings and VMF to perform mission critical operations in the southern portion of Korea.

YRP, UEPH Barracks and Company Operations Headquarter Building

With a NTP of Sept. 3, 2015, this \$54 million project is split into two sites that contain an 8-story barracks and a 4-story combined Battalion Headquarters for the 6th Ordnance Battalion and 25th Transportation Battalion located at Camp Carroll.

The Battalion Headquarters will help support command operations conducting mainly administrative functions and has a separate Readiness Modules that have TA-50 gear lockers for the purpose of field exercises. The HQ will include a controlled vehicle parking lot, loading and service areas, and a bicycle rack shelter. The 302-person Unaccompanied Enlisted Personnel Housing (UEPH) will provide two bedrooms (1+1) sharing a kitchen and bathroom. Along with the building, there will be a total of 54 parking spaces, bicycle racks, equipment and dumpster enclosure. This project is expected to finish on Aug. 16, 2018.



YRP Barracks and Company Operations Headquarters Building



H-832 Helipad, Camp Carroll



Munitions Inspections Facility

Kunsan Air Base Projects

CY15 ROKFC-in-Kind, Munitions Inspections, Alternate Conventional Maintenance Facility

This project is to construct a Munition Inspections Facility which will also serve as an alternate convention maintenance facility. This new facility is designed to facilitate wartime production and rates for the future of assigned weapons systems to support Eighth Fighter Wing and contingency Forces. It will also remove the Intra-line Distance restriction of the current facilities that limits production capability of the existing munitions facilities.

The \$8 million project was awarded on Sept. 7, 2015 with a completion date of March 15, 2018. The project was 98 percent at the end of Dec. 2017 and will be turned over to user at the end of Jan. 2018.

CY15 ROKFC-in-Kind, Commercial Gate

This project to construct new Access Control Point with vehicle pull-off area, truck inspection facilities, and combined POV/Commercial Vehicle/Visitor's Center. Scope includes to construct (8) defensive fighting positions, security lighting intrusion detection systems (IDS) and a perimeter road for the expanded land development. The current main gate is at capacity with normal traffic and this project gives Kunsan the needed gate access for commercial traffic while bolstering security around the east end of Kunsan Air Base. The Commercial Gate project was award on Nov. 5, 2015 and has a value of \$15.3 million.

The project was 52 percent at the end of Dec. 2017, and the completion date scheduled is Sept. 6, 2018.

CY15 ROKFC-in-Kind, Hardened Aircraft Flow Thru Shelters

This project consist of constructing five double configured turn-around/flow through hardened aircraft shelters, refueling system, 2-10,000 Barrel fuel storage facility, and pump house. This project is to provide adequate aircraft turnaround times to support mission requirements. The contract was awarded on Dec. 4, 2015 and has a value of \$38 million. The project was 50 percent at the end of Dec. 2017, and the completion date scheduled is Feb. 4, 2019.

CY15 ROKFC-in-Kind, 3rd Gen. HAS, PH 1 -3

Scope of this contract is to construct multiple – 3rd generation Hardened Aircraft Shelters (HAS) on the



Hardened Aircraft Shelters PH 1-3

South East side of Kunsan Air Base. Contract will be constructed in phases to include 20 - HAS's, over 180,000 square meter of soil improvement and 120,000-square meter of Airfield paving. This project will provide the necessary protection for fighter aircraft, air crews and maintenance personnel while also preparing for future fighter aircraft. The contract was awarded on July 4, 2016 at a value of \$107 million.

The schedule completion date is May 5, 2020 and is at 15 percent progress at the end of Dec. 2017.

CY16 ROKFC-in-Kind, Construct Transient Aircraft Parking

With early schedule coordination

with other adjacent projects and Kunsan Airfield Management, this project was completed four months ahead of schedule on Oct. 26, 2017.

This project consisted of adding 22,000 square meter of concrete adjacent to the parallel taxiway. This addition will facilitate larger aircraft and increase the capacity of the current Transient Pad. This addition will all Kunsan Air Base to accept follow on forces and provide adequate parking for aircraft. The contract was valued at \$3.8 million.



Transient Aircraft Pad

CY16 ROKFC-in-Kind, Upgrade AT/FP Measures at Main Gate

This project was completed on Sept. 25, 2017.

This project consisted of renovations and upgrades of the main gate at Kunsan Air Base. Work included removal of deteriorated pavements, architectural, HVAC, and reinstalling, new PCC paving, canopy, and upgrading for force protection measures around the

visitor control center and vehicle search pit areas. The contract was valued of \$2 million.

FY17-FY18 OMAF, Gwangju Projects

There was three O&M projects awarded at Gwangju ROK Air Force Base that will be executed by the Kunsan Project Office. Repair Fire Station building # 2122, Repair Gym building # 150 and Repair Aged building # 2123 have a combined value of \$6.3 million. These facilities are used by U.S. Military personnel during military exercises and would be used extensively under contingency operations. Repairing these facilities was needed to comply with health and safety requirements. Also with updating new and energy efficient HVAC systems, savings from less power consumption will aid the users with cost savings.

These projects are scheduled to be completed by 2nd Quarter 2019 and was about 3 percent combined progress at the end of Dec. 2017.

FY17 OMAF, Repair Fire Protection System, Building 2241

This project is to repair and provide fire protection system in comply with ETL 02-15, UFC 3-600-01, and applicable code at Egress Hangar, building 2241. The work includes new fire pump room with two U/G water storage tanks,

new low-level high-expansion foam (HEF) system with five foam generators and new sprinkler system in entire building including admin area.

Project was awarded Feb. 24, 2017 at a value of \$2.8 million. The project was 36 percent at the end of Dec. 2017, and the completion date scheduled is June 6, 2018.



Rendering of Hardened Aircraft Flow Thru Shelter



Hardened Aircraft Flow Thru Shelter

Airfield Paving IDIQ

In fiscal year 2017 there were three Task Orders awarded with a total value of \$1.1 million, which includes repainting areas of the runway, restricted areas and taxiways.

These projects are currently at eight percent collectively. Construction will resume after winter shutdown season for paving projects.

Air Force Job Order Contract (JOC)

This past fiscal year there were 13 JOC Task Orders completed with a value of \$3.1 million.

In 2017 there was two task orders awarded at Kunsan with a value of \$2.7 million. The tasks order work includes wide range of scopes with maintenance including, communication, HVAC, sewer, roof replacements, fire protection deficiency corrections, and entire building renovations at Kunsan Airbase.



New Pump Room at Building 2241



HVAC Repair/Replacement Task Order #0079



Hardened Aircraft Flow Thru Shelter

Engineering Division

Cost Engineering Branch

In fiscal year 2017, Cost Engineering Branch completed 24 Independent Government Estimates (IGEs) for MILCON/Host Nation funded projects including MCA, MCAF, OMA, OMAF, IDIQ, and ROKFC/YRP projects peninsula wide totaling more than \$210 million dollars. In addition to IGEs for new projects, the branch completed 57 IGEs for JOC contracts and Basic Change Documents (BCD) as well as reviewed 95 CWEs prepared by SOFA A-Es. Also, four in-house projects have had fully developed estimates:

1. 95 percent CWE for AFH100 with PA \$144 million - USAG Humphreys
2. 30 percent CWE for AFH090 with PA \$146 million - USAG Humphreys
3. 30 percent CWE UEH120A with PA \$75 million - USAG Humphreys
4. 30 percent CWE for UAV with PA \$53 million - Kunsan Air Base

Cost Engineering Branch provides support by using the Corps of Engineers MII estimating software, Excel format for U.S. funded projects and Host Nation projects such as ROKFC projects and SCIP projects, and the Korean Estimating Management System (EMS) software used for estimating Host Nation funded projects such as ROKFC-in-Kind projects.

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. Also, the JOC Unit Price Book (UPB) for Army and AF JOC IDIQ contracts in FY17 were being updated/added to the current UPB or the new UPB in preparation as CT requested.

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

This workload is expected to continue for future years.

Design Branch

The Design Branch comprises 41 architects, engineers, engineering technicians, specification writers, and administrative assistants who continue to provide high quality services, producing designs and contract solicitation packages for construction. Of particular significance in FY17 are the following design projects:

CY18 and CY19 Unaccompanied Enlisted Personnel Housing, USAG Humphreys

The design branch is in the final stages of designing two housing towers that will provide additional housing on-post to support the increased population at USAG Humphreys. Both housing towers will be eight-stories and will provide housing

quarters for 302 soldiers. Construction of the CY18 project is anticipated to start early in 2019. In addition, the Design Branch also started the initial design of the CY19 Unaccompanied Enlisted Personnel Housing project. Similar to the CY18 project, the CY19 design will also consist of two eight-story towers that will provide housing for 302 soldier per building. Combined, the two projects will have a construction cost of over \$174 million and will provide housing for a total of 1,208 unaccompanied enlisted soldiers. The building design will include:

- Individual Bedrooms for each soldier
- Shared bathroom and kitchen (two soldiers per module)
- Two Gazebos
- One BBQ Shelter
- Mud Room
- Laundry Room on every floor

Terminal High Altitude Area Defense (THAAD)

The design branch provided engineering support for deploying the Terminal High Altitude Area Defense (THAAD) system in Korea that was implemented in response to tensions with North Korea. Since the very beginning, Design Branch engineers have contributed to the development of the THAAD Site starting by providing site selection feasibility input. Design Branch engineers then performed facility site assessments of the existing buildings which delivered senior leaders with the required information to determine whether to re-use the existing facilities. After the initial operating condition of the site was established, the design branch focused on supporting the long term development of the THAAD site by participating in a planning charrette and obtaining all user requirements to de-

velop required future improvements.

The planning phase identified several critical improvements that required expedited designs including electrical upgrades of the existing buildings, improved road network to interconnect launchers and radar, and permanent power for the THAAD system. Design Branch Engineers coordinated with multiple users and stakeholders around the world to provide a quality design that meets all of the stakeholder's requirements. The total construction cost for design work completed to date is over \$7 million and the design branch will continue in 2018 to provide engineering support to the THAAD mission in Korea.

FY18 MCA PN81359, Unmanned Aerial Vehicle Hangar, Kunsan Air Base

The Design Branch is in the 90 percent design phase of an Unmanned Aerial Vehicle Hangar located in Kunsan Air Base. This MILCON funded \$53 million project comprises a standard UAV Hangar and relocation of the existing Aviation Defense Artillery Battalion (ADA) Facilities. The construction is anticipated to start at the end of 2018. The 52,000 square feet UAV hangar includes an operation and maintenance hangar with shops, supply and storage space and company administration. The project also includes a taxiway, a hangar access apron and Site storage facilities including POL storage, HAZMAT waste storage and air craft container storage. The aircraft hangar area will be installed with a High Expansion foam fire suppression system in addition to the automatic sprinkler system that will be installed in the facility throughout. The new relocated ADA facilities include the missile resupply area, fighting positions/revetments, ready building/Command Post, Battery Command Post area, safety shelter and ground support equipment area.

Geotechnical and Environmental Engineering Branch

Fiscal year 2017 was a continuously challenging period as the Geotechnical and Environmental Branch (EDG) had to adjust and prepare for decreases in future workload while preparing to move to their new location at Camp Humphreys. The Branch provided excellent high quality work that resulted in the completion of 318 geotechnical, environmental, groundwater resource, geospatial, and laboratory/field testing projects, investigations, reports, and supports, with a final balanced operating budget of approximately \$7.02 million.

There were several significant personnel changes during 2017. Kim Se-

kon, Geologist in the Geology and Hydrology Section (EDG-H) retired on Dec. 12, 2017. Sarah Woo, Environmental Section Chief and Mark White, Environmental Engineer both PCS'd back to the USA in Jan. 2017. Bryson Twidwell replaced White as Environmental Engineer in July 2017, as well as performing as the Environmental Section Chief since Aug. 2017. Pak Ki-hong, a civil engineer, from the Geotechnical Section took another job with ACE in the Southern Office in Korea.

In FY17, EDG was led by: Dr. Jay Pak (Chief, Geotechnical and Environmental Branch), Sun H. Lee (Chief,

Geotechnical Section), Sarah Woo (Chief, Environmental Section till Jan. 2017), Bryson Twidwell (Chief, Environmental Section-Acting from Aug. 2017), Pak Song-hyon (Chief, Geology and Hydrology Section), Dr. Pak Chunpom (Chief, Data Management Section), Yun Yong-ham (Chief, Materials Testing Lab), and Dr. Chon Son-chu (Chief, Environmental Testing Lab).

The Geotechnical Section (EDG-G) prepared 21 geotechnical design and analysis reports for ROKFC-in-Kind and USFK projects. One of the significant geotechnical design and analysis project was the THAAD (Terminal High Altitude Area Defense) site in Korea.

tude Area Defense) Deployment. In addition, 20 Construction supports including Construction Surveillance of Indicator Pile Driving and Construction RFIs review, Construction recommendation, Settlement monitoring installation inspection and report reviews were performed. The Geotechnical engineers performed Quality Assurance (QA) of the test pile program including Pile Driving Analyzer (PDA) tests, static load tests, lateral load tests, and pullout tests for the USFK project. The Material Testing Laboratory (MTL) of Geotechnical Section performed 21 inspections of batch plants and QC laboratories for a wide range of projects, which is critical for the contractor to be provided a quality concrete, asphalt and testing services during construction. In addition, 16 field QA supports related to soil and concrete were completed over last year. MTL also supported 24 projects providing the Geotechnical designer with accurate test results of soil properties through tri-axial, consolidation and classification tests.

The Environmental Section (EDG-E) performed various in-house and contract projects in fiscal year 2017. EDG-E in-house staff performed asbestos surveys for a total of 145 buildings at USAG Humphreys, USAG Yongsan, and Navy Pohang. The projects identify asbestos containing building materials (ACBM) in preparation for subsequent demolition and renovation activities. The asbestos surveys 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. Environmental staff oversaw the Soda Ash Installation equipment at CNFK HQ Busan to upgrade their drinking water facility increasing the quality of their drinking water. They also conducted a Cross Connection Control (C3) and Backflow Preventer Assembly (BPA) Survey at USAG Humphreys. This project was to obtain the current status of cross-connections, install BPAs and to



Soil Boring for THAAD Deployment Korea Project

identify potential backflow prevention deficiencies that may pose a risk to the potable water supply. Additionally, multiple Environmental Management Plans and Spill Response plans were developed. The USFK Regulations 201-1 Korean Environmental Governing Standards were reviewed, upgraded and sent for legal review. Other EDG-E projects include, but are not limited to, stockpile sampling and analysis for Camp Humphreys, sampling for hydrocarbons from contaminated soils where petroleum contamination was found, and annual FED environmental and safety trainings. The IDIQ Contract was established with four option years for \$9 million. This IDIQ Contract has five contractors with ability to provide environmental support anywhere in South Korea giving FED a very powerful tool to assist installations should any environment requirement arise.

The Data Management 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, and MND DIA, the Section conducted topographic survey for 35 projects in support of the Division's Design Branch and SOFAAE

firms as well as completing joint U.S. - ROK installation boundary surveys for four USFK installations: Bayonne, DETL Yawolsan, T-ROK Yongin and USAG Humphreys ROKA010. Some project examples are: CY19 Family Housing New Construction Project at USAG-Humphreys, CY21 Airfield Damage Repair Warehouse at Osan Air Base; FY17 Replace Helipad H-608 at Site Salem, and FY17 PEB Warehouses for ADR Assets at several air bases. The Section conducted construction quality surveillance surveying at various project sites at USAG-Humphreys and Osan 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 DPW, USAG Yongsan, and a review of GIS data set for natural resources at Camp Casey. The Section was responsible for reviewing all District design CADD drawing products and construction as-built CADD drawings for compliance with required geospatial standards. Essential geospatial support was provided for Branch project execution by ensuring that the Branch GIS is kept up to date with acquired project data and imagery, and by upgrading GIS software version of desktop users and Web server.

The Geology and Hydrology Section (EDG-H) is tasked with conducting

subsurface exploration and geologic field investigations supporting the District's military design and construction program, as well as tasked with maintaining groundwater resources on USFK installations. In FY17, the Section completed 18 geotechnical and environmental site investigation projects for design to include: CY17 ROKFC-in-Kind PN A10R120, EUSA Correctional Facility (OSO60), USAG Humphreys; FY17 OMAF Construct ADR Warehouse, Gwangju Air Base, Suwon Air Base and Gimhae Air Base; CY17 ROKFC-in-Kind, Life Support Area (LSA) Barracks #2 (400PN), Camp Mujuk; Environmental Site Assessment/ Investigation for

New U.S. Embassy Compound (NEC), Camp Coiner, USAG Yongsan; THAAD Deployment Korea, Camp Carroll-Seongju Site; CY17 ROKFC-in-Kind, M16R215, Life Support Area (LSA) Barracks #3, Camp Mujuk; CY21 ROKFC-in-Kind, F19R621, Airfield Damage Repair, Warehouse, Kunsan Air Base; ROKFC-in-Kind A20R200P1 UEPH 2018 Unaccompanied Enlisted Personnel Housing, USAG Humphreys; FY18 PN8139 UAV Hangar, Kunsan Air Base; CY19 ROKFC-in-Kind EOD Facility, Kunsan Air Base.

Branch services for developing and maintaining groundwater resources date back to 1966. During FY17, this section

conducted water well preventive and emergency maintenance on a total of 141 wells, providing clean potable water for facility use on 24 USFK installations, including USAG Red Cloud & Area I, USAG Yongsan, USAG Humphreys, USAG Daegu, and CFA Chinhae. In FY17, this section decommissioned four water wells not in use; one water well at Camp Carroll and three wells at USAG Humphreys, to preserve good groundwater resource environment.

Technical Review Branch

In fiscal year 2017, the Technical Review Branch (EDT) led by Dong Shin has continuously performed design management tasks and design quality assurance activities through technical reviews. In addition to these two main tasks, the EDT has resumed the leading role for AE Review and Responsibility Board (AERRB) which has managed many design deficiency cases and provided training session for field personnel. The EDT also performed leading roles in the district SDD PDT, Local Material Committee for establishing and updating guidelines, and criteria development for FED AE community.

Led by Yong J. Kye as Section Chief, Technical Review Section (TRS) continued to effectively maintain and support FED's Quality Assurance Program (QAP). TRS provided quality assurance oversight by performing over 200 FED project reviews in FY17 for various construction programs such as Yongsan Relocation Plan, Land Partnership Plan, Republic of Korea Funded Construction in Kind (ROKFC-in-Kind), Operation and Maintenance (O&M) and Military Construction in Kind Army (MCA) projects, and SRMs. Through coordination with Regional Engineering Center (REC) in Hawaii District and other technical centers (MCXs and TCXs), TRS successfully managed its resources fully to accomplish timely and value added design reviews for all FED projects. Significant contributions were made to notable projects in FY17, these include: FY17 MC PN 86877 Family Housing New Construction (AFH090), CY17 ROKFC-in-Kind A10R120 EUSA Correctional Facility (OS060), FY16 YRP A13R216A (UEH092/093/094) Unaccompanied Enlisted Personnel Housing, and CY18 ROKFC-in-Kind F19R620 Airfield Damage Repair Warehouse. For each project, TRS staff identified critical design elements such as questionable structural design approaches inconsistent with local construction building material industry standards, deficient space utilization modeling resulting from incomprehension of exact user equipment and operation processes, life and fire safety deviations, etc. and ensured

appropriate corrective actions were taken through effective coordination with project management teams. In addition to QAP support, TRS has played a key role as technical evaluator of FED's AERRB design and construction issues providing valuable professional assessment in line with good engineering practice. There was no personnel change for FY17, however, Mike Kim, SME Fire Protection Engineer, has returned to service from his medical rehabilitation.

Design Management Section (DMS) continued to perform strong under the excellent leadership of Choe Kwang-kyu. Two design managers left DMS in 2017: Kim Tong-kun has immigrated to the United States in Sept. 2017, and Charley Qian took a job in Albuquerque District. So Chang-ho vice Kim has joined Design Management Section as a Design Manager/AE Contract Government Negotiator/Contracting Officer's Representative/Technical Team Lead in Sept. 2017, quickly proved himself to be both energetic and mission-focused. Each individual Design Manager, as AE contract negotiator, have been able to overcome challenges and were able to negotiate and award all AE contracts as scheduled through support from Lead AE Negotiator (Steve Karwan). The total of number AE contract negotiated and awarded, including modifications, are over 94 with total value of \$19 million (MILCON and Host Nation projects). DMS has been deeply involved on award of the first 3-\$3.3 million IDIQ contracts and is working on the award of new \$49.5 million IDIQ contracts. Also, DMS is working on the first stand-alone "C"-Type contract CY19 ROKFC-in-Kind, Communication Building Headquarters at Osan Air Base. Additionally, as the dedicated DM, Jennifer Yoon has been focusing on RFP action for Korea Air Operation Center (KAOC) at Osan Air Base.

Contracting

A specific accomplishment for the fiscal year 2017 at the Far East District was the full implementation of Paperless Contract File, Acquisition Management module (PCF-AM). This function is part of the Army's Virtual Contracting Enterprise (VCE). With PCF-AM, program managers can readily see an up to date status of their projects that are in various phases of acquisition. The milestones in acquisition management (AM) provide visibility and are a means to enforce accountability. Reports developed for tracking workload are valuable to District leaders.

As part of "Strengthen the Foundation," PROSPECT courses were held on site: Formal Source Selection (Feb. 2017) and Construction Contract Administration (Oct. 2017)

FY17 AFH MILCON, PN 81428, Family Housing New Construction, Camp Walker (Tower 3)

This project is to construct 90 dwelling units (4 five-bedroom units, 26 four-bedroom units, and 60 three-bedroom units in a 15-story tower configuration) for Company Grade Officers (CGO) and Senior Non-Commissioned Officers (SNCO) military personnel and their Families.

This project includes an electrical substation, natural gas governor building and one underground parking garage connecting to the tower to accommodate 135 vehicles. The Building includes units with living areas, kitchen, bathrooms, bedrooms, storage, and private entrance, with ancillary facilities such as tot lots, multi age playgrounds, picnic pavilions, gazebos, etc., and an underground parking garage connecting the tower to accommodate 135 vehicles. Also the construction will include elevator access with elevators sized to accommodate emergency medical evacuation equipment, fire protection sprinkler and fire alarm system, individual hot water, heating, air conditioning controls, hard wired interconnected smoke/carbon monoxide detectors, storage and all equipment and appliances for functional living units, and telephone/TV system.

- Contractor: Hwasan Engr. & Const. Co., Ltd.
- Date of Award: Aug. 25, 2017
- Award Amount: \$45,756,814

C4I080, USFK Operations Center, USAG Humphreys

Construct a 377,000 square feet, two-level, hardened underground secure facility that supports the Armistice, Crisis, and Wartime functions for USFK's Joint Command staff elements, component commands, and intelligence agencies as part of the relocation to USAG Humphreys.

The facility consists of a Crisis Action Team (CAT) floor for the Combined Joint Staff, a Central Utility Plant (CUP), and includes two Sensitive Compartmented Information Facilities (SCIF) that account for approximately 128,000 square feet. This project is a Yongsan Relocation Plan (YRP) effort separated into multiple contracts administered by the POF to include the ROK Shell Construction, U.S. Interior Work, and Construction Security Monitoring (CSM) services contracts.

The project was awarded for \$133,471,473.



Rendering of Family Housing New Construction (Tower #3), Camp Walker

Resource Management

Finance & Accounting

The F&A Branch is primarily responsible for payroll operations, time and attendance, CFO Compliance, ULO Reviews, PR&C certification and CEFMS. The Team conducted four ULO reviews during 2017 comprising 12,179 transactions valued at \$2.9 billion dollars. The purpose of the ULO is to identify funds that could possibly be used elsewhere. It also facilitates project closeout. The following is a recap of the major categories:

Category	Number of Items Reviewed	Total Value
All ULOs	12,179	\$2.9 Billion
Cancelling Appropriations	20	\$3.9 Million
Inactive Items	2,727	\$928 Million
Inter-Agency Items	140	\$68.2 Million
Expired Items	1,728	\$118.6 Million
Other Items	7,403	\$1.7 Billion

The F&A Team conducted several CFO Reviews during the year. The reviews are an integral part of the USACE Corrective Action Plan and cover 42 financial operations. The District maintained an overall rating of Green during 2017.

The F&A Team manages the District's payroll and related leave accounts. In order to fund the leave account, the Effective Rate for DACs was set at 225 percent and for KNs at 145 percent. The leave account provides funding for LQA, all forms of leave and other benefits such as health and life insurance. Management of the leave account depends on the exchange rate. During 2017, the Local Obligation Rated remained W1060/\$1 to ensure that obligations are adequate to cover future disbursements.

The F&A Team made preparations for the upcoming 2018 Military audit. This is the 2nd phase under the requirements of the Chief Financial Officer's Act. The 1st phase involved the Civil Works Districts in the U.S. The goal of the 2018 Military audit is to ensure that assets are properly costed and have sufficient documentation to support the costs. What F&A calls assets, the District calls projects. When the District completes the construction of a project, we turn the project over to our customer. Our customers use the 1354 as a basis to record the asset in their financial records. By following this procedure, our customers leverage USACE's record retention in order for them to pass their audit. Essentially, by auditing USACE, you are auditing all our Army customers.

Budget Operations

The Budget Branch is responsible for all District funding regardless of the source. This includes FADs from HQ, Customer Orders (MIPRs) from other government agencies, Host Nation Funding and the Operating Budget.

Budget uses Direct Funding to create the District's Operating Budget through overhead rates. There are two overhead rates that the District uses; Consolidated Departmental Overhead (CDO) and General & Administrative (G&A). The FY17 Midyear Operating Budget was \$70.4 million with a CDO rate of 46 percent and a G&A Rate of 25 percent. The FY18 Initial Operating Budget is \$70.1 million with a CDO rate of 44 percent and a G&A Rate of 25 percent. The Operating Budget is used to fund employee training, travel, supplies and other overhead expenses. It is sometimes called Income.

The Budget Office works closely with Program Management to estimate future workload and determine what resources will be used to accomplish the workload. The workload is also broken down into different categories of work as shown below. Workload data beyond two fiscal years is difficult to forecast.

Manpower Analysis

Manpower is the largest component of the District's Operating Budget and proper management ensures that the District has adequate re-

sources or 'Program' available to pay for it. We continually monitor the breakout of the workforce to include the number of DACs, KNs, Military and Contractors.

During FY17, the District gained 55 but lost 77 civilians throughout the year, which resulted in a net loss of 22. The District ended FY17 with 463 personnel on board and estimates an end strength of 493 for FY18.

Management Analysis

Our Team's primary responsibility is to manage the District Manager's Internal Control Program. The program coordinates the reviews and self-assessments of several functional activities at different organizational levels. The assessments are reviewed by RM and Internal Review to determine the proper guidance to give the Commander regarding the Annual Statement of Assurance (ASOA). The ASOA is used at all levels of USACE and Army to determine if significant deficiencies or material weaknesses exist that could lead to injury, loss of life, or waste, fraud and abuse. Yun Chi-hui conducted the District's MICP and reported no significant deficiencies or material weaknesses in 2017.

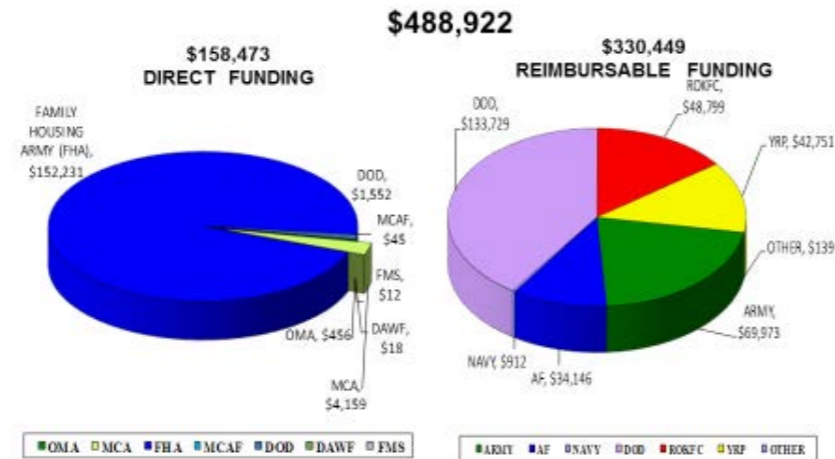
Personnel Changes

During 2017 RM welcomed two new employees. Maribelle 'Belle' Jocson joined us as the District's Finance & Accounting Officer. Belle had been the Finance & Accounting Office for the Japan District. We also welcomed LaWanda Lamar who will be working as a budget analyst. LaWanda previously worked for the Kansas City District. This is the first

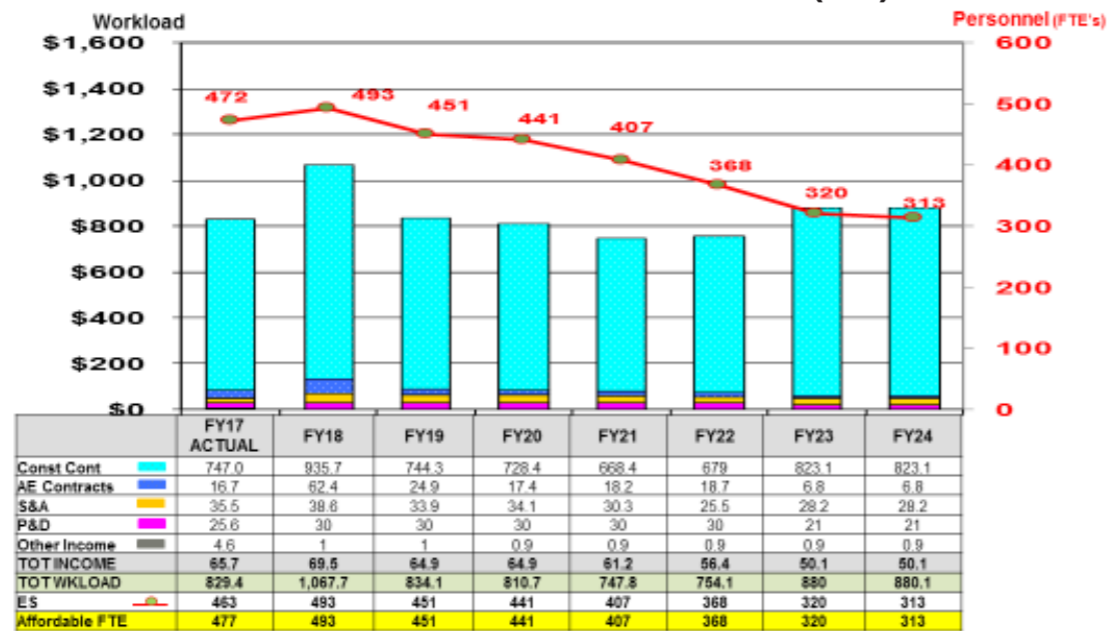
time either have been to Korea. Welcome Belle and LaWanda!

We were also fortunate to host the Honorable Thomas Steffens, USACE CFO and Rollie Laberge, POD RM during 2017.

Funding by Source (\$000) as of Sept. 30, 2017



FY17 - FY24 Annual Workload (\$M)



* FY23 and FY24: Anticipates Munitions Storage Area Delta Phase 1&2, Airmen Dorm, and KAOC projects kick in FY23.

In 2017 Far East District received notice that it won the award for best place to work in the U.S. Army Corps of Engineers during 2016.





US Army Corps
Of Engineer ®
Far East District

DISTRICT OFFICES



FED HQ



Seoul Project Office

Central Resident Office



Humphreys Area Office



Pyeongtaek Resident Office



Family Housing Resident Office



Medical Resident Office



Construction Surveillance Resident Office



Kunsan Resident Office



Pohang Project Office



Southern Resident Office