Iraq Reconstruction Update

A Weekly Construction & Sustainment Report

05.26.06

Why are these kids smiling?
See story on page 5.

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Notable Quotes

"This is the biggest gift from the (Coalition) Forces to this village. People used to be very, very sick in the village when the water pipes were rotten, sewage was leaking (into the water supply). The villagers are very pleased with the project. They appreciate having fresh water " Esam Al Askar speaking at the completion of the Airport Village Water Tower and Pipeline project

Reconstruction Director Explains "Measles Chart" Progresses

Kathye Johnson, Director of Reconstruction for the Gulf Region Division and the Project & Contracting Office talks about progresses made in Iraq. Read the article on page 2.

Project Dispatches

Sadr City Compact Units Provide Water for 500,000

Construction is complete on the installation of 52 compact water units in Sadr City, Baghdad Province. The $5M project furnished and installed 52 compact water units. The units can either connect to wells or to the raw water system or to both. These water units provide more than 400,000 liters of clean drinking water per day for more than 500,000 area residents.

Thi Qar Province Checkpoint Project Completed

A police checkpoint in Thi Qar Province was completed last week. Among other features, the $300,000 project included a checkpoint station with break room, a covered parking area, a generator shed, two sunshades and islands, and four guard towers. This completed checkpoint provides Iraqi police the proper facilities to help protect the citizens, infrastructure and resources in the city of Ishan al Gubbah.

Highway Patrol Station Completed; Major Kuwait Entry Point

An Iraqi Highway Patrol Station in Basrah Province is complete. The $2.5M project included the design and construction of a patrol station to support more than 400 personnel. The facility includes two buildings that accommodate billeting and a dining facility, parking areas for approximately 40 vehicles, a perimeter wall, guard towers, a water purification and sewer system, a fueling station, two electrical generators, and an access road. The Iraqi Highway Patrol will base their operations out of this completed facility located in the Safwan area, which is the major entry point from Kuwait.

Al-Qadisiya Sewage Pumping Station

Construction is complete on the Al Qadisiya Sewage Pumping Station in Mahmoudiya, Baghdad Province. The $188,000 project was completed on May 16th by a local Iraqi contractor. The project's scope included the rehabilitation, repair and supply of equipment for the pumping station. Previously, this neighborhood had no sewage system. The project will benefit approximately 25,000 in the community.

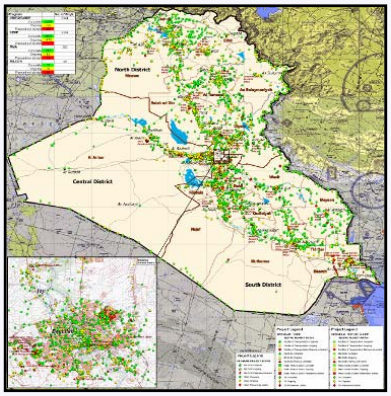
Iraq Quick Fact: Over $33M of new medical equipment has been distributed to the Iraqi Ministry of Health.

Source: Multi-National Force – Iraq Website

Published by ASA(ALT)

'Measles Chart' Shows Reconstruction Progress in Iraq

By Jim Garamone
American Forces Press Service



BAGHDAD – Coalition officials call it the "measles chart" -- a map of Iraq showing all the planned, in-progress and completed infrastructure projects that makes the country look like it has developed a case of the measles. Green is good on the chart. That indicates completed projects, and most of the dots, triangles, squares and diamonds on the map are green. Yellow means the projects are started, and there is a scattering of those around the country. Red means "planned - not started," and there are some of those - mostly in Anbar province and in eastern and western Baghdad.

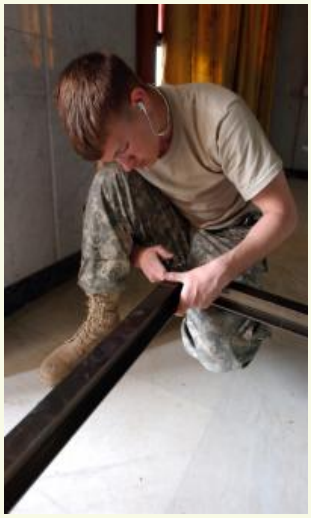
"Rebuilding the infrastructure is helping the emergence of democracy and establishing the foundation for a strong economy," said Kathye A. Johnson, Director of Reconstruction for the Gulf Region Division (Army Corps of Engineers) and the Project and Contracting Office. Johnson's division's projects range from hospitals and schools to power plants and water and sewage treatment facilities. The goal is to provide reliable, essential services to the Iraqi people, Johnson said. U.S. taxpayers have paid for the projects she oversees. Other U.S. organizations - most notably the U.S. Agency for International Development - also are helping rebuild the Iraqi infrastructure.

From the beginning, the U.S. contribution was designed to jumpstart the infrastructure reconstruction program, she said. "To truly meet the infrastructure needs of this country, donor nations, private sector organizations and the government of Iraq will all need to work together to provide additional resources," she said. And Iraq will need more resources. The World Bank, the United Nations and other organizations said Iraq needs $55 billion more to repair the infrastructure neglected during Saddam Hussein's rule.

***Story Continued on Page** 4.*

Palace Restoration by Stryker Brigade Members

Story & Photo by Spc. L.C. Campbell,
138th MPAD



A Soldier breaking down one of the offices in preparation to hand over the facility to the Iraqis.

MOSUL, Iraq - Infantry Soldiers from the 172nd Stryker Brigade Combat Team (SBCT) are restoring the main palace at Forward Operating Base (FOB) Courage, Mosul, Iraq in preparation to hand it back over to the Iraqi people later this summer. The palace was first used in 2003 as the headquarters for the 101st Airborne Division. Now, the 101st is back to see the closure of this historic FOB.

From automatic weapons gunners to rifleman, these Soldiers have are now completing the task of restoring the grounds on the FOB. Their main focus for now is tearing down all the offices and cubicles to restore the inside of the main palace.

"Currently we have been breaking down the main palace," said Staff Sgt. Logan Vann, 172nd SBCT, non-commissioned officer in charge. "We have been breaking down walls, offices, and furniture."

They plan to have the palace finished by next month. "We need to ensure that it is in the same condition as when we arrived," said Vann. "We are doing our best to make sure that it looks good.

The palace had also served as the last command post for the multi-national force Iraq – northwest.

Soldiers from the 172nd SBCT restoring the main palace at FOB Courage.

Creating Security Points for Iraqi Forces

Story and Photos by JO1 Benjamin Franklin
Multi-National Force - West

AL-ANBAR, Iraq — Seabees and Soldiers assigned to the 9th Naval Construction Regiment are completing major security post projects that will directly aid Iraqi Security Forces in their efforts to reinforce security and maintain stability in the area. The environment is harsh. The construction crews are used to working under challenging situations, but here they must constantly wear full body armor. The additional gear is heavy and restricts their body movement. Depending on the construction situation and the heat factor, this can be taxing to even the most seasoned workers.

The project had one sticking point - a swamp. It lies at the end of a waterway that separates the Seabees from the project sites. Movement around the far end of the waterway was even less desirable because it placed the convoy at greater risk from other hazards.

To solve the dilemma, the Army's 46th Engineer Construction Battalion (46th ECB) created a road along the waterway and directly across the edge of the swamp. The 46th ECB is a subordinate unit to the 9th NCR and is a valuable pool of highly skilled engineers that the Seabees can rely upon to handle difficult projects.

Steel Worker 3rd Class Pablo Sanchez copes with the situation like everyone else. He helped reinforce steel conex boxes so that they would support the weight of a heavy steel fighting position and layers of sandbags. This unit will house a defensive machine gun nest for the Iraqi Forces. Collectively our crew burned about 500 welding rods on this project. We build a lot of things for people, but this is the first time that I've been able to set a camp up for the Iraqi Forces. I hope this helps to protect the Iraqi troops so they can accomplish their work," said Sanchez.

1st Lt. Joseph Kilner of the 46th ECB was put in charge of building the 1.1 kilometer road. Soldiers operating bulldozers, bucket loaders, dump trucks and road graders spent days moving large volumes of earth to create a new convoy route.

The crew used over 2,000 cubic yards of rubble to fill in the edge of the canal from its 6-foot depth. Then, the trouble began. As the dirt fill kept sinking into the mire, the engineers realized they were in for the long haul.

"We used over 4,000 cubic yards on only 350 feet," said Kilner. "We discovered that the wet marshy ground has so much organic material in it that it eats up everything we put in it." The importance of this road goes well beyond any single military project. It provides military teams with the ability to operate more effectively. "It makes the insurgents have to watch more areas now," said Kilner. "It's already driving them nuts."

The combination of new Iraqi control points and the new access road will help to provide a safer environment for the citizens of Iraq.

Al-Anbar Security Post Project Photos
"Full body armor, heat, swamp, and mire"

Women Earn Heavy Equipment License

Following eight weeks of professional training, four women – who were enrolled in a vocational training center in northern Iraq — earned their heavy equipment operator's permit. To help the students get familiar with vehicles, they first worked with small trucks, tractors and later large trucks with trailers. (Photo by Republic of Korea Zaytun Division)

State – DoD Officials on Los Angeles Radio News/Talk Show

WASHINGTON - Mr. James Crum, Director of the Army's Iraq Project & Contracting Office (Washington) and Dr. George Folsom, Director for Iraq Assistance and Coordination, Bureau of Near East Affairs, U.S. Department of State, appeared on the May 23rd Doug McIntyre Show on KABC-AM.

To hear the KABC radio interview:

http://www.kabc.com/mcintyre/default.asp

(located on left column – "As Heard on Radio")

'Measles Chart'…Story Continued

The United States is not going to provide that money, Johnson said. "Our efforts go beyond actual bricks and mortar reconstruction," she said. The Gulf Region Division is training Iraqis how to care for projects once they are finished. This capacity development is an integral component in the effort to revitalize Iraq's infrastructure, Johnson said. "Our job is to provide quality, responsive full-spectrum engineering services in support of military and civil construction. We also provide logistical services and aggressively assist the Government of Iraq in assuming full responsibility for national reconstruction."

As of May 1, the division has 3,614 infrastructure projects planned, representing $11.3 billion. Of these, 3,206 projects have started amounting to roughly $10.1 billion. Nearly 2,600 of the 3,614 planned projects have been completed for about $6 billion. "Despite 25 years of neglect and a costly insurgency, Iraq's infrastructure is bouncing back and U.S. assistance is having a real impact on the lives of the Iraqi people," she said. In schools alone, U.S. funding has refurbished 831 schools. "We've taken children out of 'mud schools' and put them in modern, clean buildings conducive to learning," Johnson said. The electrical projects have added 1,400 megawatts of electricity to the national grid, and the engineers have overseen 137 electrical distribution projects. As the hot summer months approach, electricity is a concern. "The availability of electricity is governed not only by planned and unplanned maintenance, but also interdictions," Johnson said.

"The best plans we have and targets we put in place are always subject to events of the day." If terrorists don't blow up transmission lines, distribution nodes and power generating plants, there should be enough power to give all residents of Iraq 12 hours of electricity per day, officials said. The projects have added almost 1.2 million cubic meters of water per day to the system, which benefits almost six million Iraqis.

Kathye A. Johnson

GRD and PCO have completed 33 sewer projects, built 67 fire stations and 303 police stations. They have completed eight airport projects, all now FAA certified. They also have completed four port projects and put in place an Advanced First Responder Network system that covers 16 million Iraqis living in 14 provinces.

Security remains a huge challenge to reconstruction in Iraq. Johnson said the cost of security varies by project type, and the area the project is in. "Our calculated average is around 18 to 22 percent of the reconstruction costs have gone to security," she said. About 2,500 U.S. military personnel, U.S. government civilians, contractors and Iraqi nationals work at the division. "We are making a tangible difference," Johnson said.

"Our work here is challenging and difficult, but it is vital to Iraq's progress toward democracy."

American Forces Network Visits GRS

By Ken L. Holder
Gulf Region Southern District
U.S. Army Corps of Engineers

BASE CAMP ADDER, Iraq - American Forces Network visited the U.S. Army Corps of Engineers' Gulf Region South (GRS) District recently to report on reconstruction progress being made throughout the district. One of the projects visited by the American Forces Network (AFN) was the nearly completed Al-Jamiaa substation. While there, AFN interviewed the project manager Frank Kalisz and the local national engineers.

Staff Sgt. Will Eubanks, American Forces Network (left) gathers background video footage as Frank Kalisz (center), an electrical engineer eyes maintenance activities of local Iraqi contractors.

"It's great to be able to help the media tell our story to the rest of the Army and to service members around the world," said Kalisz, electrical engineer, USACE, GRS-Najaf Resident Office. "We're all really proud of the work that's been done by the Iraqi contractors and sub-contractors."

The Al-Jamiaa project, which is 95% complete, will increase the reliability and safety of the local electrical distribution network when connected to the national grid. In addition, the substation equipment will safely handle more electricity with less chance of equipment malfunctions or loss of service due to local overloads. "This substation will provide electricity for more than five sectors," explained Kalisz. "That means more than 1,500 homes will have more dependable electrical service." Though the contractor has some minor work to do to complete the project, it has been accepted by the Iraqi government as usable for its intended purpose says Corps officials.

AFN plans to edit the stories for use on the "Pentagon Channel," as well as for military and public affairs outlets.

Sheile School Brings Smiles

Story and Photos by Polli Barnes Keller
Gulf Region North
U.S. Army Corps of Engineers

MOSUL, Iraq - A newly constructed school located in the center of Dahuk will provide service to approximately 840 students and 36 teachers.

This new two-story complex consists of a 12 classroom school with a detached exterior lavatory building, a play yard and a generator building; surrounded by a three-meter high perimeter wall.

The exterior and interior walls are of masonry construction with a concrete super structure and terrazzo tile flooring. The exterior wall finishes are cut stone and plaster.

A newly constructed school located in the center of Dohuk will provide service to approximately 840 students and 36 teachers.

"The architectural design and material selection was made by a local Iraqi engineer in coordination with the Director General (DG) of Education and then provided to the Dahuk Residence Office," said Joshua Adekanbi, Dahuk resident engineer, U.S. Army Corps of Engineers.

The DG of Education uses a standard primary school design with the same floor plan. Since the plans are recycled, varied exterior architectural elements are chosen for each school.

This $460,000 project was funded by the Iraqi Relief and Reconstruction Fund and built by a local Iraqi construction company. Of the 317 IRRF-funded school projects in the northern region of Iraq, 315 are complete and two are in progress. The U.S. Army Corps of Engineers participated in the contracting and construction management and quality assurance of the project.

Projects Shaping a Nation

Rebuilding Iraq

Projects that are shaping a nation

Projects completed at a glance

Schools: 834
Primary health care centers: 18
Hospital projects: 20
Public buildings: 51
Potable water projects: 201
Sewer projects: 34
Fire stations: 72
Military base projects: 57
Police facilities: 307
Railroad stations: 81
Village roads: 90
Ports projects: 4
Postal facilities: 23
Airport projects (FAA certified): 9
Electricity distribution projects: 141

Note: Not all projects are listed. The numbers include projects funded by the Iraqi Relief and Reconstruction Fund and the Development Fund Iraq.

Baghdad

Sanitation

About 200,000 residents of the Kadamiyah neighborhood in Baghdad have a cleaner environment with the completion of a sewer station. The station will reduce the transmission of water-borne disease by removing sewage from the neighborhood.

Electrical

More than 260,000 residents of Baghdad, will benefit from the completion of an electrical distribution network in Karkh. The $1 million project involved the placement of two giant underground powerlines.

Taji

About 300 children will benefit from the refurbished Ibn Hajar school. Improvements were made to the school's sewage system, electrical system and classrooms. A new guard room and restroom were added to the facility.

Projects at a Glance (As of: May 19, 2006)

Compiled by Katie Wall, PCO

•$8.660 billion has been disbursed, representing over 64% of total funds
•2,753 projects starts (out of 3,099 planned projects). This number includes 360 projects funded under the Development Fund Iraq (DFI)
•2,240 projects are complete, including 332 that are funded under the DFI

Reconstruction Sector	Project Type	# Under Construction*	# Completed*
Health & Education	Schools	12	834
	Primary Health Care Centers	135	18
	Hospital Projects	7	20
	Public Buildings	5	51
Public Works & Water	Potable Water Projects	69	204
	Sewer Projects	8	35
Security & Justice	Fire Stations	7	72
	Military Base Projects	12	57
	Police Facilities	26	307
Transportation & Communication	Railroad Stations	5	81
	Village Roads	36	90
	Ports Projects	2	4
	Postal Facilities	5	23
	Airport Projects *(FAA certified ready)*	6	9
	Expressways	3	0
Electricity	Distribution Projects *(including Substations)*	89	142
	Transmission Projects	27	12
	Power Generation Projects	0	20
Oil	Dedicated Power Plants	2	3
	LPG/LNG Plant Refurb	5	0

**** Note: Project numbers include projects funded by the Iraq Relief and Reconstruction Fund (IRRF) and the Development Fund Iraq (DFI) and managed by GRD/PCO.***

Source: Multiple PCO Management Reports

Sector Overview: Current Status – End State

Compiled By: John Daley, PCO

As of: May 19, 2006

Sector	Current Status	End State
Electricity	1,431 MW capacity added Increased Power Generation to 1294K Homes Improved Electricity Distribution to approximately 250K Homes	1,562 MW capacity added (2,679 for all USG projects) Increased Power Generation to 1,400K Homes Improved Electricity Distribution to approximately 670K Homes
Oil	2.5 Million Barrels Per Day (MBPD) production capacity 2.16 MBPD produced Natural Gas Production Capacity of 600M standard cubic feet/day	3.0 MBPD crude oil capacity Natural Gas Production Capacity of 800M standard cubic feet/day
Water & Sewer	Added 117,000 cubic meters per day of water treatment capacity (benefits an estimated 880,000 Iraqis)	Additional 1,193,000 cubic meters per day of water treatment capacity (will benefit approximately 5.6 million Iraqis. All USG projects will benefit 9.33 million Iraqis)
Health	18 primary healthcare centers completed out of 153 planned	Population of 5 to 6.5 million Iraqis served in completed primary healthcare centers
Education	834 schools providing classrooms for 325,000 students	847 schools providing classrooms for 330,000 students
Security & Justice	307 police facilities completed 23 courthouses/prisons completed 138 border forts completed	335 police facilities 40 courthouses/prisons 148 border forts
Transportation	180 Kilometers (KM) or 58% of planned improved village roads Provided emergency response dispatch system ('911' service) covering 5.8 million citizens of Baghdad	424 KM of improved village roads 157 KM of improved major roads Provide emergency response dispatch system ('911' service) covering 12 million Iraqis in 15 cities

Note: Project numbers include projects funded by the Iraq Relief and Reconstruction Fund and the Development Fund Iraq and managed by GRD/PCO.

Source: Multiple GRD-PCO Management Reports

A Reconstruction Partnership

Office of the Assistant Secretary of the Army (ASA) for Acquisition, Logistics and Technology (ALT)
https://webportal.saalt.army.mil/main/aae.htm
Assistant Secretary: *The Honorable Claude M. Bolton, Jr.*
Principal Deputy to the ASA (ALT)/Director of Iraq Reconstruction and Program Management: *Mr. Dean Popps, SES*

US Army Corps of Engineers - Gulf Region Division http://www.grd.usace.army.mil/index.html
Commanding General: *MGWilliam H. McCoy, Jr.*

Iraq Project & Contracting Office
http://www.rebuilding-iraq.net
Director- Baghdad: *MG William H. McCoy, Jr. (dual-hatted GRD-PCO)*
Deputy Director for Reconstruction: *Ms. Kathye Johnson*
Director-Washington: *Mr. James M. Crum, SES*

Joint Contracting Command – Iraq/Afghanistan
JCC-IA provides responsive operational contracting support to the Chief of Mission and Multi-National Corps - Iraq to efficiently acquire vital supplies, services and construction in support of the Coalition Forces and the relief and reconstruction of Iraq.
Commander: *Maj. Gen. Darryl A. Scott*

Office of the Assistant Deputy Assistant Secretary of the Army (Policy and Procurement), Iraq
DASA(P&P)-I provides the necessary administrative and contracting support to the Chief of Mission, Project and Contracting Office, Multi-National Forces, and supports the humanitarian relief, reconstruction, and security of Iraq.
ADASA(P&P)-I: *Mr. Lee Thompson*

For further Iraq reconstruction and sustainment information:
U.S. Agency for International Development: http://www.usaid.gov/iraq
U.S. Department of Commerce: http://www.export.gov/iraq
U.S. Embassy in Iraq: http://iraq.usembassy.gov
U.S. Central Command: http://www.centcom.mil
Multi-National Force – Iraq: http://www.mnf-iraq.com
Multi-National Security Transition Command – Iraq: http://www.mnstci.iraq.centcom.mil/

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