



Iraq Reconstruction Report

A Weekly Construction & Sustainment Update

10.27.06



From Port of Entry...

...to Al-Anbar Delivery



The U.S. Army Corps of Engineers', Gulf Region Division Logistics Movement Coordination Center continues to coordinate movement of new vehicles from Iraqi ports to refurbishment facilities for final Iraqi Security Force configuration. (Photos: Master Sgt. Rick Brown/Journalist 2nd Class John J. Pistone)

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Major Project Dispatches

Compact Water Unit Projects Begin in Ramadi

Construction began on two compact water unit projects in Ramadi, Al Anbar Province. The projects began this month and are estimated to be completed next February. Each \$798,000 project will install a compact water treatment unit, intake pipes, a water main, and fire hydrants. The projects will benefit the residents of the village of Zangora.

Bashmakh Border Point of Entry Project Completed

Construction is complete on a Bashmakh border point of entry facility in the Sulaymaniyah Province. The \$2.4 million project, among other features, constructed perimeter fencing/walls and gates, vehicle search areas, vehicle scales, billeting, and customs and immigration areas. Point of entry facilities are a primary tenet of Iraq's internal security plan, which enables the Department of Border Enforcement to perform its requisite functions in a secure environment. Currently, 10 of the 13 planned points of entry are completed.

Baghdad Paving Project Allows for Safer Roads

Construction is complete on the road repair and paving of 10 kilometers of Highway 8 in Baiya, Baghdad Province. The \$2.4 million project included sealing cracks, patching potholes and cleaning the road surface.



Tarmiya Project Completion Dr. Ali Ibrahim, northern Baghdad regional medical director, cuts a ribbon to officially open a new surgical and pregnancy wing at the Tarmiya Medical Clinic north of Baghdad. The \$400,000 project featured new operating rooms, labor and delivery facilities and recovery rooms for patients. The clinic serves approximately 140,000 people in the greater Tarmiya area. (Photo by Spc. C. Terrell Turner)

Rebuilding Baghdad: An Iraqi Engineer's Story

Story and Photo by Norris Jones
Gulf Region Central District
US Army Corps of Engineers

BAGHDAD — Despite getting knocked down by back-to-back bomb blasts, he still reported for duty that morning. When he arrived, his fellow workers got him to the hospital to have his facial cuts, black eye, and contusions treated.

Engineer Abdul-Kareem says he was in a taxi on the way to a project site in downtown Baghdad two months ago when an improvised explosive device was detonated killing a bystander and wounding several others. He was exiting the cab to provide first aid when a vehicle drove into the crowd and triggered a second explosion killing at least a dozen more people.



Engineer, Abdul-Kareem is interviewed by an Al Hurra TV reporter on a visit to some of his Baghdad projects with Maj. Robert Nash (background).

"Despite that incident and many more every day, the insurgents aren't going to discourage us from doing the right thing for our country and our people," engineer Abdul-Kareem said. "Yes, it's a difficult time. But those in need are looking for help and we're going to continue to do everything we can to offer it to them."

His team of 30 fellow Iraqi engineers are in charge of rebuilding worn out water treatment plants, renovating hospitals and schools, installing new neighborhood electrical networks, replacing old sewer mains, and building new courthouses and fire stations.

"We need to keep the wheel of reconstruction moving to ensure basic essential services are restored in Iraq, defeating the insurgents' goal of demoralizing the residents here. It's a noble cause and by working shoulder to shoulder with the Americans, we'll accomplish the mission."

Story Continued on Page 6.

Soldiers Deliver 75 Generators

Story and Photo by Staff Sgt. Kevin Lovell
363rd Mobile Public Affairs Detachment

BAGHDAD — Multi-National Division – Baghdad soldiers conducted a humanitarian aid mission recently in Baghdad's Karkh district. The soldiers from the 14th Cavalry Regiment, 172nd Stryker Brigade Combat Team, delivered 75 generators to the district's educational headquarters for use in 60 neighborhood schools.

"We're dropping off generators, backpacks and soccer balls," said Capt. Benjamin Tiernan, fire support officer.

Prior to this mission, civil affairs soldiers talked with district council representatives to get an idea of what the most pressing needs in the district were, said Tiernan. The soldiers are no strangers to helping Iraqi residents.

"We've done (humanitarian missions for) them in Mosul and Rawah but not this large of a drop with this many generators," added Tiernan. The unit has also provided assistance in the past for school children.



Abdul Satar al Robeai (left), chairman, Karkh city council, talks with a Soldier from the 172nd Stryker Brigade Combat Team, after receiving a shipment of 75 generators. The generators will provide electricity to the area's 60 schools.

"The Iraqi police help distribute the gifts for the children in a timely manner," said Tiernan. "It's easy to feel good about these kinds of things (humanitarian aid). It helps the children. What's gratifying is that the (city) council members chipped in to help make it happen," added the Army officer.

Residents of the city council said they were impressed with the way soldiers pitched in to help meet basic needs.

"This is not the first time Coalition Forces have given us gifts," said a grateful Abdul Satar al Robeai, chairman, Karkh city council. "This is part of a graduated giving of help to the schools and the neighborhoods since 2003.

Story Continued on Page 7.

Sector Overview: Current Status – Final Effects

Compiled By: John Daley, PCO Washington

As of: October 23, 2006

- \$9.8 billion of the Iraq Relief and Reconstruction Fund (IRRF) has been disbursed by DoD, representing 72.5% of total funds allocated to DoD
- 3,295 projects starts (out of 3,566 planned projects). This number includes the DoD projects funded by the IRRF and the Development Fund for Iraq (DFI)
- 2,612 projects are complete

Infrastructure Sector	Current Progress	Final Effects
Electricity	1,420 MW capacity added* Increased power generation to 1.3 million homes* Improved Electricity Distribution to approximately 370K Homes* Hours of Power: 12 Iraq, 7 Baghdad (last week average)	1,879 MW capacity added* (2,555 for all USG projects) Increased power generation to 1.7 million homes* Improved Electricity Distribution to approximately 824K Homes* Hours of Power: 10-12 Iraqi, 10-12 Baghdad
Oil	2.5 Million Barrels Per Day (MBPD) production capacity 2.3 MBPD actual production Liquefied Petroleum Gas (LPG) production capacity of 1,200 Tons per Day	3.0 MBPD oil production capacity LPG production capacity production capacity of 3,000 Tons per Day
Water & Sewer	Added 419,000 cubic meters per day of water treatment capacity (benefits an estimated 2.0 million Iraqis)*	Additional 1,150,000 cubic meters per day of water treatment capacity (will benefit approximately 5.3 million Iraqis*. All USG projects will benefit 8.4 million Iraqis)
Health	Seven IRRF-funded Primary Healthcare Centers (PHC) completed (six of these are open). All remaining PHCs under contract. 14 IRRF-funded hospitals rehabilitation projects completed	142 PHCs serving a population of 5 to 6.5 million Iraqis 25 IRRF-funded hospital rehabilitation projects
Education	833 schools providing classrooms for 325,000 students*	850 schools providing classrooms for 330,000 students*
Security & Justice	354 police facilities completed 248 border forts completed	400 police facilities 255 border forts
Transportation & Communications	239 Kilometers (KM) of village roads Provided emergency response dispatch system ('911' service) covering 12 million Iraqis in 15 cities	427 KM of improved village roads 157 KM of improved major roads and five bridges Provided emergency response dispatch system ('911' service) covering 12 million Iraqis in 15 cities

U.S. Ag Secretary Announces \$7.8M Extension Funds to Revitalize Iraq



WASHINGTON — Agriculture Secretary Mike Johanns announced that the U.S. Department of

Agriculture is requesting proposals from U.S. land-grant institutions to strengthen agricultural extension and training at Iraqi agricultural universities. Johanns also said the agency is providing USDA staff as needed in Iraq and is working to develop agricultural credit training there. "Because much of Iraq's population relies on agriculture for their livelihood, the country's stability partially depends upon the agricultural sector's performance," Johanns said, following a meeting today in Washington with Iraqi Trade Minister Abd al-Falah Al-Sudani.



USDA Secretary Johanns, with Iraqi Foreign Trade Minister Abd Al-Falah Al-Sudani during a news conference in Washington, DC. (USDA Photo)

"A strong extension system that responds to the needs of farmers, processors, marketers and others in agriculture is a key element of recovery." The Iraq Agricultural Extension Revitalization Project (IAER) will provide extension training programs for Iraqi nationals. The training will enhance the agricultural management, production and marketing related to small and medium-sized production enterprises.

The effort was launched on Aug. 1, when Johanns and Iraq's Deputy Prime Minister Dr. Salamm Zukam Ali Al-Zawba'i signed a joint statement of intent in Baghdad. Training will be provided through partnerships built between U.S. land-grant universities and Iraqi agricultural universities in each of five governorates of Iraq.

The project goal is to build strong institution-to-institution partnerships, to link American expertise in extension training and advisory services with agricultural colleges in Iraq and with Ministry of Agriculture personnel.

Story Continued on Page 5.

Water Plant Opens for Iraqi Soldiers in Ramadi

Story and Photo by Spc. Walton McJordan

RAMADI, Iraq — Iraqi soldiers have taken a step closer to independence with the reopening of a water treatment facility at Camp Blue Diamond. The completion of repairs to the facility at the 7th Iraqi Army Division Headquarters marks the first time the Iraqi forces will be capable of providing their own drinking water on camp.



Iraqi officers from the 7th IA Division adjust the water flow into the fresh water holding tank.

Col. Ron K. Forsberg, Military Transition Team advisor for life support to the Iraqi Army's 7th Division, says the facility has been completely repaired and is producing approximately 50,000 gallons of drinkable water each day. Previously, coalition forces were providing bottled water to the Iraqi Army.

"The plant will be operated by the Iraqis as well as the distribution of water to the various storage tanks located on the camp," Forsberg said. Forsberg said the water is drawn directly from the Euphrates River into a holding tank, chemicals are then added and the water is sifted by gravel and sand and the purified water is then pumped into the storage tank where it is loaded into water trucks for distribution.



Iraq 101 — Knowledge Brief

Babylon, located 55 miles south of Baghdad, was probably first settled in the 3rd millennium BC, and was the largest city in the world during the 5th and 6th millennia, BC. It is famous for being the site of the death of Alexander the Great, who captured the city in 331 BC, and also for its' Hanging Gardens, a simulated hill of vegetation-clad terracing that was once one of the Seven Wonders of the World.

Source: Daily Western Media Analysis, SCORPION

Japan: Yen Loan for Refinery and Fertilizer Plant Reconstruction Projects

The Government of Japan has announced its intention to provide yen loans up to 20,199 million yen to Iraq for implementing the "Engineering Services for Basrah Refinery Upgrading Project" and the "Khor Al-Zubair Fertilizer Plant Rehabilitation Project." The loan specifics are: 1) Engineering Services for Basrah Refinery Upgrading Project: 2,079 (million yen); 2) Khor Al-Zubair Fertilizer Plant Rehabilitation Project: 18,120 (million yen). (Information taken from the Japan Ministry of Foreign Affairs Website)

Water Springing Up in Erbil

Photos by Gulf Region North Public Affairs



Leaks are springing up all over the city due to the increased water pressure provided by the water treatment facility. Erbil's Director of Water, Masoud Karrash, says the leaks are a welcome problem, "This means the city is receiving the much longed for water."



Erbil residents are washing the streets and enjoying the luxury of running water. The collateral benefits of the water plant, other than more potable water availability, are increased water pressure which reduces contamination, filling of water storage tanks, and slowing aquifer depletion.

News from the Department of Commerce: Iraq Adopts New Investment Law



On Oct. 10, Iraq adopted an investment law that offers an accommodating regulatory environment for U.S. business.

Although various actions must be taken

before Iraq's new investment regime is fully functional, there are several noteworthy features of the recently-approved law:

- All investors enjoy equal treatment under the law without regard to nationality (Art. 10);
- Iraqi workers receive priority in hiring, but investors may hire non-Iraqi workers if Iraqi workers do not have the necessary qualifications (Art. 12);
- Investors who obtain investment licenses from the National Commission on Investment are entitled to additional benefits.
- The law prescribes clear procedures for obtaining an investment license (Art. 19-20).

Further analysis of the investment law will be made available, however, an English translation of the law is available at:

http://www.export.gov/iraq/pdf/investment_law_1006.pdf

Project Trains Iraqi Engineers

Fifteen Ministry of Electricity engineers attended training in design of electric overhead lines using computer based and hands-on training. The engineers now have the tools to design reliable, safe, and efficient



overhead lines to international standards. (Information and photo provided by the Gulf Region Division)

Story Continued....Extension Funds Announced

Among the areas the institutions may address are arid crop production development, livestock production and animal health, and water resources management and irrigation technology.

Through this project, USDA hopes to assist in restoring and expanding a sustainable agriculture sector in Iraq that includes an effective extension service based on education and research. Priority activities will include training of extension specialists; long-term degree training; development of distance learning methods and instructional materials for train-the-trainer extension programs, and field trials, demonstration plots and lab methods for adoption by Iraqi farmers.

Story Continued....Iraqi Engineer's Story

The 33-year-old has a graduate degree in civil engineering and is working on a doctorate degree. His fellow Iraqi engineers have degrees in a variety of fields including structural engineering, mechanical engineering, and electrical engineering. And they're out in the red zone every day visiting projects ensuring they're being done right.

Engineer Abdul-Kareem started working for the Coalition in 2003 as an interpreter but when U.S. forces discovered he was an engineer they asked him to do a lot more than just translations and eventually obtained his position with the U.S. Army Corps of Engineers.

Today he is Deputy Resident Engineer of Gulf Region Division Central District's International Zone office and his two favorite projects are Baghdad Central Train Station and Alwaiya Children's Hospital.

"Baghdad Train Station was my first huge project, a \$5.9 million contract. The Train Station is where I learned the U.S. Army Corps of Engineers quality assurance responsibilities and the western way of overseeing construction. I'm proud of our role in correcting these problems. That facility has the potential to generate a lot of jobs; it's important to this area."

Regarding Alwaiya Children's Hospital, "It touches your heart every time you walk through their door. It comes down to the basics of humanity and helping save people's lives. Doctors and nurses there are now using equipment that was simply not available two years ago."

He added, "This hospital takes care of the poorest people in Baghdad. The medical staff was working in miserable conditions. Newborns and young children were dying there every day. We've made a difference and I'm pleased to have been a part of it. Alwaiya Children's Hospital is now providing health care at the same high standard as private hospitals here. It's great to see these youngsters benefiting from our efforts."

Maj. Robert Nash, with the Gulf Region Division – Central points out, "It's professional engineers like Kareem who will be in charge long after we've gone home. It's our goal to work ourselves out of a job as they march forward with the construction management techniques they're now utilizing."

Nash's office is currently overseeing 135 projects worth over \$500 million, and most of that work is being done by his Iraqi staff.

Reconstruction Series Featured on WTVY

A WTVY (Dothan, Ala.) reporter embedded with the U.S. Army Corps of Engineers in Iraq has produced a "Mission to Iraq" special television news series which focuses on reconstruction and other assistance projects and missions. Link to the WTVY web page which contains the downloadable video reports:



<http://www.wtvynews4.com/unclassified/4315032.html>

Risalah Checkpoint Cleanup



Local Iraqi youths hired by an Iraqi contractor clean the streets around an Iraqi National Police checkpoint in Baghdad's Risalah neighborhood. The trash removal is part of the ongoing efforts between Iraqi Security Forces and Multi-National Division – Baghdad Soldiers to secure and improve several neighborhoods throughout Baghdad in support of Operation Together Forward. (Photo: Staff Sgt. Brent Williams)

New Brochure Download Available



A historical 26-page booklet which recaps the U.S. Army's reconstruction effort in Iraq.

Download:

http://www.rebuilding-iraq.net/pls/portal/docs/PAGE/PCO_CONTENT/HOME/DOWNLOADS/GRD_PCOHISTORY101306.PDF

Iraq Reconstruction Update

Texas Police, Fire Reps, Meet with Iraqi Public Service Officials

By Spc. Jason Dangel
4th BCT PAO, 4th Inf. Div.

BAGHDAD – Three representatives from police and fire departments from Austin, Texas, met with Iraqi emergency services officials to discuss ways to better improve existing Iraqi emergency medical systems during a meeting held at the Adnan Palace in central Baghdad Oct. 18.

David Carter, Austin Police Special Operations; Charles Johnson, Austin Special Weapons and Tactics Unit; and George Bratmore, assistant chief, Austin Fire Department, working with Multi-National Division – Baghdad, hope to establish a new and reliable Iraqi emergency service system over the course of the next year.

The group from Austin aims to eventually establish a system that will enable police, fire and medical units to work together during emergencies that may require the assistance of all three services, similar to the United States, said Bratmore, during a presentation to Iraqi officials.

"In many cases, when something happens that requires the fire departments service, medical units and police units are also required to be on the scene," the fire chief explained.

"When all the services respond on a particular incident, it gives us the ability to contain the situation quickly, and it ensures that the effect of the emergency doesn't spread and cause more problems," Bratmore said.



George Bratmore, assistant chief, Austin, Texas Fire Department, speaks with Iraqi public services officials during a meeting at the Adnan Palace in central Baghdad.

Story Continued....75 Generators



A Soldier from the 172nd Stryker Brigade Combat Team provides security as Iraqi contractors unload generators at the Bayaa district city council headquarters in Baghdad. (Photo by Master Sgt. Mike Buytas)

"This (generators) will help the pupils and teachers have electricity for their schools," added al Robeai.

Coalition Forces have also assisted with the construction of new schools and have repaired damage caused to existing school buildings by terrorists, which has strengthened the relationship between soldiers and the people of the area, said al Robeai.

"During an emergency in the United States, it is common to see police cars, fire trucks and medical vehicles on the site at the same time. Additionally all three services can be contacted using one phone number...911," said Carter.

Three representatives from police and fire departments from Austin, Texas, meet with Iraqi emergency services officials to discuss ways to better improve existing Iraqi emergency medical systems during a meeting held at the Adnan Palace in central Baghdad.



Currently, the Iraqi police, fire and medical services do not work jointly in day-to-day operations. All three services must be contacted individually in order for them to respond to an accident or incident. The new concept also aims to create an emergency system similar to the 911 system.

"The way the Iraqi public services are run today, it can't be changed over night," he said. "This is going to take time, and it is up to the Iraqi government to recognize whether or not this kind of system will work for them."

Iraq Reconstruction Report

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: <i>The Honorable Claude M. Bolton, Jr.</i> Principal Deputy to the ASA (ALT)/Director of Iraq Reconstruction and Program Management: <i>Mr. Dean Popp</i>
	 US Army Corps of Engineers - Gulf Region Division http://www.grd.usace.army.mil/index.html Commanding General: <i>Brig. Gen. Michael J. Walsh</i>
	Iraq Project & Contracting Office (Washington) http://www.rebuilding-iraq.net Director- Baghdad: <i>Brig. Gen. Michael J. Walsh (dual-hatted GRD-PCO-W)</i> Director-Washington: <i>Mr. James M. Crum</i>
	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: <i>Maj. Gen. Darryl A. Scott</i>
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For further Iraq reconstruction, transition, and sustainment information:

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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