

The Afghanistan Engineering Support Program assembled this annual report. It is an approved, official USAID document. Budget information contained herein is for illustrative purposes. All policy, personal, financial, and procurement sensitive information has been removed. Additional information on the report can be obtained from Firouz Rooyani, Tetra Tech Sr. VP International Operations, (703) 387-2151.



**USAID** | **AFGHANISTAN**  
FROM THE AMERICAN PEOPLE

# ENGINEERING SUPPORT PROGRAM

## 2012 ANNUAL REPORT



November 28, 2012

This publication was produced for review by the United States Agency for International Development. It was prepared by Tetra Tech, Inc.

**This report was prepared for the United States Agency for International Development, Contract No. EDH-I-00-08-00027-00, Task Order 01, Afghanistan Engineering Support Program.**

**Principal Contacts:**

[REDACTED]	[REDACTED]	[REDACTED]
AESP, Inc.	AESP, Inc.	AESP, Inc.
Washington, DC	Framingham, MA	Framingham, MA
[REDACTED]	[REDACTED]	[REDACTED]

[REDACTED]  
Chief of Party  
AESP, Inc.  
Kabul, Afghanistan  
[REDACTED]



November 28, 2012

[REDACTED]  
[REDACTED]  
USAID – Office of Economic Growth and Infrastructure (OEGI)  
Café Compound  
U.S. Embassy  
Great Masood Road Kabul, Afghanistan

Re: Contract No. EDH-I-00-08-00027-00; Task Order 01

Dear [REDACTED]

Per Section C.5 Deliverables, paragraph G of the above referenced contract, we are submitting an Annual Report for the 2012 Fiscal Year for your review. The report covers the period of October 1, 2011 through September 30, 2012.

I look forward to meeting with you at your convenience to discuss this report.

Respectfully,

[REDACTED]  
[REDACTED]  
Chief of Party (AESP)  
Tetra Tech, Inc.

# AFGHANISTAN ENGINEERING SUPPORT PROGRAM

2012 ANNUAL REPORT

November 28, 2012

## **DISCLAIMER**

The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

## Contents

---

Executive Summary .....	1
1.0 Program Staffing .....	2
1.1 Expat Staffing .....	2
1.2 Expat Staffing Changes.....	3
1.3 Local National Staffing.....	4
1.4 Local National Staffing Changes .....	4
2.0 Contract/Task Order.....	5
2.1 Contract/Task Order Activities .....	5
2.2 Contract /Task Order Deliverables .....	6
2.3 Contract/Task Order Issues.....	6
2.3.1 Capacity Building .....	6
2.3.2 Security Issues .....	6
2.3.3 Changing USAID Priorities .....	6
3.0 Work Orders.....	7
3.1 Sector Activities.....	7
3.1.1 Energy .....	7
3.1.2 Vertical Structures .....	11
3.1.3 Water and Sanitation.....	12
3.1.4 Field Services/Water Resources .....	13
3.1.5 Technical Services .....	13
3.1.6 Transportation.....	13
3.2 Administrative Work Orders.....	15
3.3 Pending Work Orders .....	16
3.3.1 Energy .....	16
3.3.2 Technical Services .....	16
3.4 Progress.....	16
4.0 Financial.....	18
4.1 Invoices, Projected Burn Rates, and Reach Back Usage.....	18
4.2 Obligated Funds .....	18

## List of Tables

---

Table 2.1	Expatriate Staffing and Deployment
Table 2.2	Local National Staffing
Table 3.1	Administrative Work Order Summary
Table 4.1	AESP Expenditure and Burn Rate

## Appendices

---

Appendix A	Work Order Status Project Issues Summary
Appendix B	Project Deliverables (CD)

## Executive Summary

---

This is the FY2012 Annual Report submitted under Task Order EDH-I-00-08-00027-00, Order No. 1; Afghanistan Engineering Support Program (AESP). The reporting period is October 1, 2011 through September 30, 2012.

AESP provides technical assistance to the USAID Afghanistan Office of Economic Growth and Infrastructure (OEGI). AESP provides quick and reliable engineering expertise through a Kabul-based core of expatriate architectural and engineering professionals leading a competent staff of local Afghan engineers, in turn backed by highly-qualified US-based staff as “reachback” resources on an as needed basis. The AESP provides planning, design, technical and oversight support while also contributing to capacity building, mentoring, and collaboration/coordination with appropriate USAID stakeholders. The period of performance for this contract is five years from a notice to proceed date of November 14, 2009.

The hiring of 38 local national employees in Civil, Structural, Transportation, Electrical, Operations and Maintenance (O&M) cost estimating, and Architectural disciplines as well as the Administration and Support Services staff required to maintain our Kabul office and residence, evidences AESP’s commitment to capacity building of Afghan staff employees.

AESP’s contribution to gender opportunity includes an internship program for women civil engineering students at Kabul University. During the past year, our four women interns have had broad exposure to the engineering side of our business as well as the opportunity to give a technical presentation to USAID engineers and speak to young woman at the local girl’s high school, encouraging the younger women students to pursue higher education in engineering and science. This year, AESP was able to identify and hire a qualified female architect to work in the Kabul office.

Contract Year three has been characterized by continued support for vertical structures projects at Kabul University Men’s Dormitory, Dining Facility and Laundry as well as construction phase support for Sardar Kabuli Girls High School utilities design and construction. Active energy projects included power transmission computer modeling, and development of transmission line and substation technical procurement documents for the Afghanistan public utility provider (DABS) “on Budget” procurements supported by USAID. Roads, airports and Ministry of Transportation and Civil Aviation (MoTCA) assignments included quality assurance (QA) monitoring at two airports, Maimana and Faizabad, as well as capacity building within MoTCA. Operations and maintenance cost estimates were prepared for more than two dozen USAID program properties, including hospitals, schools and public facilities.

AESP personnel development in Contract Year three included selection and promotion of one of our Afghan engineers to be Deputy Chief of Party (DCOP); AESP subcontractor-supplied SMART program employees were “graduated” to full TT AESP employment; Our four interns made significant strides professionally; and there was a concerted shift toward local Afghanistan employee management, preparing for an even greater effort planned for Contract Year 4.

## 1.0 Program Staffing

During FY2012, the AESP expatriate staffing focused on replacements for initial leads and support staff. Expatriate staffing will be evaluated and realigned during FY2013, as more of the initial lead and support staff roles transition from expatriates to our competent national staff.

### 1.1 Expat Staffing

Table 1-1 Expatriate Staffing and Deployment			
Employee Name	Position	Afghanistan Arrival	Afghanistan Departure
[REDACTED]	Water/Wastewater Engineer	12/23/09	6/23/10
[REDACTED]	Water Resources Lead	2/17/10	2/20/11
[REDACTED]	Junior Civil/Structural Engineer	2/17/10	11/19/10
[REDACTED]	Geologist (STTA)	3/8/10	6/12/10
[REDACTED]	Deputy Chief of Party	3/15/10	3/13/11
[REDACTED]	Acting Chief of Party	6/14/10	6/27/10
[REDACTED]	Vertical Structures Lead	6/14/10	8/30/11
[REDACTED]	Airport Planner (STTA)	6/14/10	7/12/10
[REDACTED]	Technical Support Manager	6/26/10	3/22/12
[REDACTED]	Water/Sanitation Lead	6/26/10	3/30/11
[REDACTED]	Geologist (STTA)	7/13/10	11/20/10
[REDACTED]	Deputy Chief of Party <sup>(2)</sup>	7/31/10	2/2/12
[REDACTED]	Sr. Project Manager <sup>(3)</sup>	7/31/10	N/A
[REDACTED]	Procurement and Finance Auditor	7/19/10	8/16/10
[REDACTED]	Chief of Party <sup>(4)</sup>	8/26/10	9/15/12
[REDACTED]	Vertical Structures Electrical Engineer	8/26/10	9/4/10
[REDACTED]	Administrative Manager	9/13/10	2/3/11
[REDACTED]	Information Technology	10/3/10	10/24/10
[REDACTED]	Sr. Quality Assurance Inspector/Sr. Construction Mgr.	12/3/10	N/A
[REDACTED]	Contracts Manager	12/28/10	N/A
[REDACTED]	Energy Lead	1/5/11	6/30/11
[REDACTED]	Junior Civil Engineer	1/19/11	7/17/11
[REDACTED]	Junior Civil Engineer	2/20/11	2/19/12
[REDACTED]	Vertical Structures Electrical Engineer <sup>(5)</sup>	4/19/11	N/A
[REDACTED]	Field Manager <sup>(6)(13)</sup>	4/19/11	N/A
[REDACTED]	Administrative Manager <sup>(7)(14)</sup>	6/16/11	N/A
[REDACTED]	Energy Lead <sup>(8)</sup>	7/4/11	N/A
[REDACTED]	Transportation Lead <sup>(9)</sup>	7/3/11	7/15/12
[REDACTED]	Water/Sanitation Lead <sup>(10)(15)(16)</sup>	7/14/11	N/A
[REDACTED]	Communications Specialist <sup>(11)</sup>	8/18/11	N/A
[REDACTED]	Junior Engineer <sup>(12)</sup>	8/18/11	6/20/12
[REDACTED]	MIS Manager	9/16/11	6/7/12
[REDACTED]	Sr. Energy Specialist	1/13/12	N/A
[REDACTED]	Sr. Contracts/FM Support(STTA)	3/12/12	6/9/12
[REDACTED]	Water/Sanitation Lead	4/9/12	N/A
[REDACTED]	Jr. Civil Engineer	4/9/12	N/A
[REDACTED]	Administrative Manager	7/21/12	N/A
[REDACTED]	Technical Services Manager	7/21/12	N/A
[REDACTED]	Jr. Civil Engineer	7/21/12	N/A

- (1) Junior Civil Engineer then transferred to the position of MIS Manager after [REDACTED] demobilized.
- (2) Transportation Lead/SPR Manager then transferred to the position of Deputy Chief of Party upon the arrival of [REDACTED]
- (3) LTTA position transition from PRT Manager to Sr. Project Manager.
- (4) Deputy Chief of Party then transferred to the position of Chief of Party after [REDACTED] demobilized.
- (5) LTTA position replacement for previous Vertical Structures Electrical Engineer, [REDACTED]
- (6) LTTA position replacement for previous Water Resources Lead, [REDACTED]
- (7) LTTA position replacement for previous Administrative Manager, [REDACTED]
- (8) LTTA position replacement for previous Energy Lead, [REDACTED]
- (9) LTTA position replacement for previous Transportation Lead, [REDACTED] after his transition to Deputy Chief of Party.
- (10) LTTA position replacement for previous Water/Sanitation Lead, [REDACTED]
- (11) LTTA position created from transition of PRT Manager to Communications Specialist.
- (12) LTTA position created from transition of Junior Civil Engineer to Junior Engineer.
- (13) Field Manager transferred to the position of Deputy of Chief of Party when [REDACTED] was promoted.
- (14) Administrative Manager transferred to the position of MIS Manager when [REDACTED] demobilized.
- (15) Water/Sanitation Lead transferred to position of Deputy of Chief of Party when [REDACTED] demobilized.
- (16) Deputy of Chief of Party transferred to position of Chief of Party when [REDACTED] demobilized.

## 1.2 Expat Staffing Changes

ASEP focuses on enlisting competent expatriate staff to carry out tasks as assigned by USAID. The following expatriate changes occurred during the reporting period.

### First Quarter

No changes were made to the expat staff.

### Second Quarter

██████████ P.E. (LTTA) returned during the quarter to fill the role as Senior Energy Specialist.

██████████ P.E. (LTTA) Deputy Chief of Party demobilized back to the states.

██████████ (STTA) , Senior Contracts/FM Support was in country Q2 & Q3 to fill in as Contracts Manager due to the increase of claims review work.

### Third Quarter

██████████ P.E. (LTTA) was mobilized to fill the Water Resources Lead vacated by ██████████  
██████████ (LTTA) filled the Junior Engineer position vacated by ██████████

██████████ (LTTA) MIS Manager demobilized to the states. ██████████  
(LTTA) Administrative Manager moved into the vacated MIS Manager position.

### Fourth Quarter

██████████ (LTTA) Transportation Manager demobilized to the states.

██████████ (LTTA) arrived in Kabul to fill vacant Administrative Manager position.

██████████, P.E. (LTTA) arrived in Kabul as Technical Services Manager to fill the position vacated by ██████████ during Q3.

██████████ E.I.T. (LTTA) arrived in Kabul as Jr. Civil Engineer filling the position vacated by ██████████ (LTTA) during Q3.

The Chief of Party ██████████ (LTTA) demobilized during the Q4. Deputy Chief of Party, ██████████, P.E. was promoted to fill Chief of Party position. ██████████ (LTTA) Field Manager was moved into the Deputy Chief of Party position vacated by ██████████.

### 1.3 Local National Staffing

Employee Name	Position	Start Date	End Date
[REDACTED]	Government Liaison	12/2/09	N/A
[REDACTED]	Cook	3/10/10	9/30/11
[REDACTED]	Facilities Maintenance	3/20/10	N/A
[REDACTED]	Facilities Manager	3/20/10	N/A
[REDACTED]	Kitchen Helper/Jr. Cook	3/20/2010	N/A
[REDACTED]	Cleaner	3/20/2010	N/A
[REDACTED]	Cleaner	3/20/2010	N/A
[REDACTED]	Laundry	3/20/10	N/A
[REDACTED]	Cleaner	3/20/10	N/A
[REDACTED]	Contracts Assistant/Buyer	3/22/10	5/4/11
[REDACTED]	Accountant	3/23/10	N/A
[REDACTED]	Internal Auditor	3/27/10	N/A
[REDACTED]	Mid-Level Architect	4/5/10	5/31/12
[REDACTED]	IT Manager	4/15/10	N/A
[REDACTED]	IT Assistant	4/20/10	N/A
[REDACTED]	HR Manager	7/3/10	N/A
[REDACTED]	Kitchen Helper	8/3/2010	N/A
[REDACTED]	Kitchen Helper	8/3/2010	N/A
[REDACTED]	SPR Administrative Assistant	9/13/10	N/A
[REDACTED]	Administrative Assistant	10/1/10	N/A
[REDACTED]	SPR QA Monitor/USACC	10/2/10	N/A
[REDACTED]	SPR QA Monitor/USACC	10/2/10	N/A
[REDACTED]	SPR Mid-Level engineer	10/9/10	N/A
[REDACTED]	SPR QA Monitor/USACC	10/9/10	5/8/11
[REDACTED]	SPR QA Monitor/USACC	10/12/10	10/10/11
[REDACTED]	Cook	10/23/10	6/30/11
[REDACTED]	Civil Engineer- Junior Level/USACC	10/24/10	8/16/11
[REDACTED]	Senior Administrative Assistant	10/24/10	N/A
[REDACTED]	Structural Engineer – Junior Level	11/29/10	N/A
[REDACTED]	Electrical Engineer – Junior Level	12/5/10	8/2012
[REDACTED]	Civil Engineer – Mid Level	12/7/10	N/A
[REDACTED]	SPR QA Monitor/USACC	12/11/10	N/A
[REDACTED]	Laundry	3/9/2011	N/A
[REDACTED]	Electrical Engineer – Mid Level	3/15/11	N/A
[REDACTED]	Cost Estimator – Senior	4/16/11	N/A
[REDACTED]	Cleaner	6/1/2011	N/A
[REDACTED]	Contracts Assistant/Buyer	6/12/11	N/A
[REDACTED]	Cook	9/3/2011	N/A
[REDACTED]	Civil Engineer Junior Level	10/29/2011	N/A
[REDACTED]	Intern	1/23/2012	N/A
[REDACTED]	Intern	1/23/2012	N/A
[REDACTED]	Intern	1/24/2012	N/A
[REDACTED]	Intern	1/24/2012	N/A
[REDACTED]	Buyer	6/9/2012	N/A
[REDACTED]	Technical Writer/GIS	3/25/2012	N/A
[REDACTED]	Architect	8/25/2012	N/A
[REDACTED]	Cook	9/3/2012	N/A

### 1.4 Local National Staffing Changes

AESP's WO-LT-0042 Afghan Woman Internship Program successfully added four female engineering students to support our engineering efforts during Q2. The interns, scheduled to graduate in December 2012, work two afternoons a week. To support USAID's media endeavors, AESP hired a local national GIS/Technical Writer to support tasks during Q3. A local national female Architect was hired to fill the vacant architect position during Q4. One part-time service staff was hired to support and fill in as needed for the full time cleaning, laundry and kitchen staff.

## 2.0 Contract/Task Order

---

### 2.1 Contract/Task Order Activities

October 18, 2011: USAID issued MOD 13. The purpose of the MOD was to incrementally fund the Task Order by [REDACTED] thereby increasing the total obligated amount from [REDACTED] to a new obligated amount of [REDACTED].

December 20, 2011: USAID issued MOD 14. The purpose of the MOD was to incrementally fund the Task Order by [REDACTED] thereby increasing the total obligated amount from [REDACTED] to a new obligated amount of [REDACTED].

January 23 and 24, 2012: The AESP Afghan Woman Internship Program began by successfully interviewing and filling the four open slots. CAD instruction, site visits and professional development was offered to four female engineering students attending Kabul University.

March 7, 2012: AESP received two “government furnished equipment” armored cars from USAID to increase the AESP armored car fleet to five.

April 19, 2012: USAID issued a contract modification with MOD 15. The purpose of the contract modification was to add the following Special Provisions/Special Contract Requirements to the Task Order:

- H.8 Facilities Used for Religious Activities
- H.9 Special Afghanistan Clause Department of Defense (DOD) Common Access Card (CAC)(Sept 2007).
- H.10 Database Reporting Requirements
- H.11 Standards for Accessibility for the disabled in USAID Construction Contracts (July 2007)
- H.12 Sub-award Requirements (March 2012); and
- I.3 52.225-13 Restrictions on Certain Foreign Purchases June 2008.

May 30, 2012: USAID issued a contract modification with MOD 16. The purpose of the contract modification was to realign the budget Labor Categories and Work Days Ordered (Level of Effort). The Total Level of Effort ordered and Total Estimated Cost of the Task Order remained unchanged.

July 17, 2012: USAID issued MOD 17. The purpose of the MOD was to incrementally fund the Task Order by [REDACTED] thereby increasing the total obligated amount from [REDACTED] to a new obligated amount of [REDACTED].

August 2, 2012: AESP disposed two “government furnished equipment” armored cars to USAID to decrease the AESP armored car fleet to three .

August 25, 2012: AESP transferred all rights, title and interest in two minivans to SOZO International, a Non-Governmental Organization (NGO). SOZO International, organized under Afghanistan Law, is authorized to accept such a transfer of property. The property management team at AESP worked with USAID to facilitate title transfer and obtained approval of property transfer.

September 30, 2012: AESP transferred property valued at [REDACTED] to AREA (Agency for Rehabilitation and Energy-conservation in Afghanistan). AREA is a non-governmental, non-political, non-profit development organization. AREA, organized under Afghanistan Law, is authorized to accept such a transfer of property. The AESP property management team worked with USAID to obtain approval and facilitate property transfer.

November 6, 2012: AESP received from IRD-Equals, another USAID Implementing Partner (IP), video equipment and software. The AESP property management team worked with USAID and the IP to obtain approval and facilitate property transfer.

## 2.2 Contract /Task Order Deliverables

Deliverable	Due Date	Draft Submittal	Final Submittal
First Quarterly Progress Report	01/10/12	1/10/12	2/4/12
Second Quarterly Progress Report	04/10/12	4/10/12	4/18/12
Third Quarterly Progress Report	07/10/12	7/10/12	7/22/12
Annual Work Plan Year 4	08/02/12	8/2/12	11/14/12

An electronic copy of the above referenced deliverables can be found on CD provided in Appendix B.

## 2.3 Contract/Task Order Issues

### 2.3.1 Capacity Building

The work order tasks have created opportunities for the local national staff to refine their technical skills in the areas of operation and maintenance calculations, site evaluations and assessments, and quality assurance techniques. The shift of expatriate leadership to a supportive role was evident throughout the reporting period. The effort to build up the capacity of our local national staff will continue throughout year four and five.

After careful consideration and review, two local national staff members were moved into the local national Deputy Chief of Party and Technical Services Manager positions.

### 2.3.2 Security Issues

Security concerns continue to influence work under this contract. President Karzai's Decree 62, which disbands Private Security Companies, impacts the method in which work orders are accomplished by restricting travel of expat engineers. AESP is in the process to engage both the Afghanistan Public Protection Force (APPF). Deteriorating security conditions continued to influence our ability to inspect projects and conduct visits. Although there were serious security challenges in the period, AESP was able to garner needed project information from alternative sources and from within the Ministries or other entities.

### 2.3.3 Changing USAID Priorities

Several of our major work orders like Strategic Provincial Roads and Provincial Reconstruction Teams support have been reduced in scope or have been completed. Our role completing these major work orders has allowed our team to focus on other USAID priorities. Our transportation group took on the role of Ministry of Transportation mentors and construction quality assurance engineers on two airport projects which were not progressing in a satisfactory manner.

## 3.0 Work Orders

---

### 3.1 Sector Activities

The following sections describe the activities performed in each sector during FY2012 under this Task Order. A CD provided in Appendix B includes the deliverables for the Long Term Work Orders that were active during FY2012.

#### 3.1.1 Energy

In FY2012, the Energy Sector continued work on a number of long term work orders to meet the objectives outlined in the report on “Progress Toward Security and Stability in Afghanistan” (April 2010). The work product/studies will be the cornerstone to establish a reliable electrical transmission and generation system in Afghanistan. Existing long term work orders are described as follows:

##### **3.1.1.1 WO-LT-0020 Sherberghan Pipeline EIA**

FY2012: The proposed project consisted of replacing an existing 320 mm diameter gas transmission pipeline with a new 320 mm gas transmission pipeline. The existing pipeline will be abandoned in place. The proposed pipeline would run from the east fence line at Koja Gogordak gas fields to the Northern Fertilizer Power Plant (NFPP) near Balkh and will be 88.1 kilometers long.

Status: Work order was cancelled during Q2 FY12.

##### **3.1.1.2 WO-LT-0022 Power Reliability Study (US Embassy, USAID)**

FY2012: AESP assisted in the effort of providing electric power supplied by Da Afghanistan Breshna Sherkat (DABS) to the US Embassy. AESP met with DABS, USAID, and the US Embassy to discuss the various technical issues for such an arrangement. AESP investigated and evaluated voltage-monitoring equipment to monitor DABS power. Monitoring equipment was installed and data collected; findings were reported back to USAID. AESP submitted a draft report of findings, conclusions and recommendations on February 6, 2012. The final report was submitted to USAID on February 23, 2012.

Status: Work order was successfully completed during Q2 FY12.

##### **3.1.1.3 WO-LT-0023 Afghanistan Electrical Transmission and Generation Study**

FY2012: AESP gathered data on the transmission and generation system from several governmental entities such as DABS, the Ministry of Energy and Water (MEW) and the Afghan Energy Information Center (AEIC). A long-term plan on the transmission/generation facilities required to meet Afghanistan’s long-term electric growth was prepared with the data collected. A report submitted to USAID on October 19, 2011 included the PSS/E models. The work order remained open into Q2 in anticipation of amendments, no further requests were made

Status: This work order was closed during Q2 FY12

### **3.1.1.4 WO-LT-0024 Kud Berg (Mazar) 48MW Power Plant Field Investigation**

FY2012: AESP prepared a summary of options for USAID to re-establish power generation capabilities at the Kud Bergh power plant. The options were presented to USAID. A report was prepared to outline the preferred options to re-establish power generation. The final report submitted September 5, 2011 addressed specific changes requested by USAID. The report was modified for the Ministry of Mines; further analyses on preferred options were incorporated. The work order remained open into 2012 Q2 in anticipation of amendments; no request for an amendment was made.

Status: This work order was closed during Q2 FY12

### **3.1.1.5 WO-LT-0025 RC-East Villages Electrification**

FY2012: AESP prepared conceptual designs for supplying electrification of 46 villages from a 20kV distribution line that runs along the Kabul-Charikar highway. All conceptual designs have been delivered to USAID. The villages of Sufyane Bala and Sufyane Pain were electrified.

AESP prepared an itemized inventory of materials delivered to 26 of the villages.

Status: This work order was closed during Q2 FY12

### **3.1.1.6 WO-LT-0035 Afghanistan Electricity Sector Economic Study**

FY2012: Based on a limited notice to proceed, AESP developed a report and model to determine the economic impacts of energy sector investments. The USAID Mission Director was briefed on the work order on June 22, 2011. A draft report was submitted on August 31, 2011 and the final report was submitted to USAID on October 3, 2011. No further requests were received.

Status: This work order was successfully completed and closed during Q2 FY12.

### **3.1.1.7 WO-LT-0043 PTEC-Environmental Assessments Power Transmission, Expansion and Connectivity**

FY2012: AESP received NTP late in Q1. AESP prepared an Environmental Scoping Statement and Environmental Assessment and Mitigation associated with USAID's Power Transmission, Expansion, and Connectivity (PTEC) Project.

AESP submitted a final revised draft Environmental Scoping Statement on March 14, 2012. Revised Scoping Sessions materials were also sent to USAID for DABS.

Status: This work order closed during Q2 FY12

### **3.1.1.8 WO-LT-0044 Bamyan Valley T & D Design**

FY2012: The Distribution Design Report created by National Rural Electric Cooperative Association (NRECA) was reviewed for the 1MW photovoltaic array funded by the New Zealand Agency for International Development (NZ AID), replacing the now cancelled hydroelectric plant at Topchi. The initial Task 1 report was submitted on October 23, 2011 outlining the design and implementation coordination required between USAID, NZ AID and the Aga Khan Foundation (AKF). Subsequent meetings were held at the Bamyan PRT in

November and it was determined that USAID would cancel the AESP Task 2 Design Services.

Status: This work order closed during Q1 FY12.

### **3.1.1.9 WO-LT-0046 Kajaki Units 1 and 3 Technical Services**

FY2012: The objective of this work order was to provide technical services and evaluate the operating conditions of the existing turbine units (#1 and #3). The purpose of the evaluation was to determine steps necessary to restore the full operability and reliability of the turbines to the fully rated power generation capacity at the Kajaki Dam. An engineering report detailing the recommendations for turbine rehabilitation was prepared.

Status: This work order was cancelled during Q2 FY12.

### **3.1.1.10 WO-LT-0048 Engineering Study for Transmission Line Proposed Dasht-e-Barchi to Kandahar.**

FY2012: The intent of this work order was to create a partial design package (Technical Section, Part 2 for DABS, on-budget procurement use) for the 220kV transmission line from Dasht-e-Barchi Substation (SS) to the proposed Kandahar East SS. USAID gave notice to proceed on March 12, 2012.

On May 30, 2012, AESP received notice to proceed for Amendment 1 which included the following requests: 1) amend the list of primary substations along this transmission line, 2) add scope for medium voltage (MV) and low voltage (LV) distribution from the proposed primary substations, and 3) provide additional, limited assistance to DABS.

USAID gave notice on July 5, 2012 to proceed with Amendment 2 to review and report on providing distribution to new and existing DABS customers near the proposed transmission line.

USAID gave notice on September 13, 2012 to proceed with Amendment 3 to provide technical section (Volume 2) for a 220kV transmission line from Arghandi to Qarabagh and substations located at Sayedabad, Ghazni City and Qarabagh.

USAID gave notice on September 24, 2012 to proceed with Amendment 4 to provide the technical section (Volume 2) for a 220kV transmission line from Qarabagh to Qalat and substations located at Gelan, Shah Joy, and Qalat.

At the time of this report, AESP submitted technical section (Volume 2) – AMD 3-REV 2 for review and comments from USAID. DABS had not delivered Volumes 1 and 3 to USAID to complete RFQ package.

Status: The current scheduled end date for the work is February 28, 2013. Work is ongoing, awaiting delivery of Volumes 1 and 3 from DABS.

### **3.1.1.11 WO-LT-0050 Kajaki Unit 2 Technical Review**

FY2012: AESP was to provide engineering support services to review the technical content of the Black and Veatch's effort on the Kajaki Dam Substation and Turbine Unit 2. The evaluation was to focus on the overall design, cost-effectiveness of design, and

reasonableness of proposed engineering effort. A formal assessment report with recommendations on Black and Veatch's technical approach and designs was to be submitted.

Status: This work order was cancelled Q1 FY12.

#### **3.1.1.12 WO-LT-0051 NEPS – SEPs Alternatives**

FY2012: AESP prepared a report evaluating the various options available to USAID for strengthening and expanding the electrical power generation, transmission and distribution systems in Afghanistan. The final report was submitted on February 5, 2012.

Status: This work order was successfully completed during Q2 FY12.

#### **3.1.1.13 WO-LT-0053 NEPS-NEPS-SEPS Connection Assessment**

FY2012: AESP prepared a report evaluating future options and recommendations concerning the development of NEPS, SEPS, and NEPS to SEPS connection. Questions and responses from USAID were incorporated into the final report submitted on August 7, 2012.

Status: This work order was successfully completed during Q4 FY12.

#### **3.1.1.14 WO-LT-0054 Reactive Power Compensation for PK to Chimtala**

FY2012: AESP performed a study using Power System Simulator for Engineering (PSS/E) and created a partial design package for the Reactive Power Compensation (RPC) for the NEPS system that would permit the Pul-e-Khumri to Chimtala 220kV transmission line to carry the optimum amount of power approaching the conductor's thermal limit of approximately 450MW. The design package also included the installation of an additional 160MVA 220/110kV auto-transformer at the Chimtala substation. USAID gave notice on June 4, 2012 to proceed with Amendment 1 to perform the following: 1) add RPC to points along the Dasht-e-Barchi to Kandahar East transmission line, and 2) provide additional limited assistance to DABS. Work continued through the fourth quarter. The final report was submitted on September 2, 2012. The Amendment 1 report was submitted on September 16, 2012.

Status: This work order has been completed; anticipate closing during the Q1 FY13.

#### **3.1.1.15 WO-LT-0055 Darunta HPP Assessments**

FY2012: This work order was created to assess and recommend options available for the Darunta Hydro Power Plant.

Status: The work was on hold throughout the third and fourth quarter.

#### **3.1.1.16 WO-LT-0058 Substation Assessments**

FY2012: AESP was to provide technical services that would describe the condition of DABS existing primary SSs in the NEPS electrical grid in Afghanistan. The reports generated would be used as a baseline to identify future remedial improvements and repairs at these substations. Work order was cancelled due to unrest in the areas surrounding the substations.

Status: Work order cancelled Q4 FY12.

### **3.1.2 Vertical Structures**

A summary of work performed during the FY2012 by the Vertical Structures group included providing technical support, document reviews, project meeting attendance, and design input on several major vertical structures engineering projects to USAID/OEGI. The projects are briefly described below.

#### **3.1.2.1 WO-LT-0001 Regional and Provincial Training Centers Concept and Final Design**

FY2012: A site development package for the Kabul Regional Afghanistan Civil Service Institute Training Center was in process, but put on hold January thru April 2012. This work order was to include development on four sites throughout Afghanistan. A previously selected Kabul site was under review, final site location was yet to be determined. Due to a change in focus, this work order was closed out.

Status: Work order closed out during Q3 FY12.

#### **3.1.2.2 WO-LT-0014 Vocational Training Center Scoping Narrative**

FY2012: Space programming, conceptual floor plans, and discussion of building and site systems were prepared for USAID and the Ministry of Energy and Water for proposed new facilities at the Vocational Training Center. The facilities included were two new dormitories and a dining hall. This work order was put on hold during the first quarter of 2012.

Status: Work order closed out during Q3 FY12.

#### **3.1.2.3 WO-LT-0037 Judicial Training Center Site Services**

FY2012: AESP was to provide technical support services for UXO clearance, topographic survey and geotechnical report of the Judicial Training Center site.

Status: Work order was cancelled during Q1 FY12.

#### **3.1.2.4 WO-LT-0056 Structural Engineering and Cost Estimating Services for Seismic Retrofit Options**

FY2012: AESP reviewed Reconstruction Action Plans (RAPS) and additional information from USAID. Site visits were planned to investigate sites but due to heightened security risks, site visits were not performed. A draft report of findings and recommendations for improving seismic activity resistance of existing structures was submitted to USAID on July 23, 2012.

Status: Work order completed Q4 FY12

#### **3.1.2.5 WO-LT-0057 Tarakhil Fire Suppression System Assessment**

FY2012: Notice to proceed to perform this work order was received on May 14, 2012. Work included field visits to the Tarakhil Thermal Power Plant to observe and assess the fire suppression and fire alarm systems. A draft report was delivered to USAID on June 14, 2012. A final report was submitted on June 26, 2012.

Status: Work order completed Q4 FY12

### **3.1.2.6 WO-LT-0060 Sar-e-Pul Hospital Assessment**

FY2012: Notice to proceed was received on June 13, 2012 to provide an engineering assessment, evaluation, design and cost estimating services for the Sar-e-Pul Hospital, damaged by flooding in the region. Unrest in the region continued into Q4, the work order was eventually cancelled as the engineering team was unable to travel safely to the site to conduct an assessment.

Status: Work order cancelled Q4 FY12

## **3.1.3 Water and Sanitation**

A summary of work performed during the FY2012 by the Water and Sanitation group is briefly described in the following section.

### **3.1.3.1 WO-LT-0005 Ghazi Boys High School (GBHS) Utility Construction Documents**

FY2012: AESP completed utility construction QA support including submittal review and other engineering assistance in support of USAID, working with UNOPS and IRD. The utility construction substantial completion inspection was performed on August 17, 2011. Minor support for the pending work on the GBHS Multi-Purpose Building contract was performed.

Status: Work order closed Q1 FY2012

### **3.1.3.2 WO-LT-0006 Sardar Kabuli Girls High School (SGHS) Utility Construction Documents**

FY2012: AESP developed a final set of construction documents and bill of quantities for utilities construction. Project management tasks included attendance at weekly construction meetings to provide ongoing technical support to USAID while construction of the SGHS was underway before completion in September 2011.

USAID awarded the construction contract for utilities in June 2012. The construction kick-off meeting was held onsite. Construction administration services for site layout, grading and utilities were supported. Engineering staff assisted at meetings, provided onsite QA oversight for construction and began the process of responding to requests for information (RFI's) from the construction contractor.

Status: QA oversight for construction and supporting USAID's efforts to respond to contractor RFI's continued into FY2013.

### **3.1.3.3 WO-LT-0015 Kabul University Men's Dormitory Design Review, Amendment #3 Sewer Capacity Study**

FY2012: AESP provided third party technical support by attending weekly construction coordination project meetings and providing field observation for the men's dormitory, DFAC and laundry buildings.

AESP performed system inspection and analysis of potential impacts on the existing sewer system resulting from adding the new Dining and Laundry facilities under construction. The final study report was submitted to USAID on August 12, 2011.

The work order remained open thru most of FY2012 to assist USAID as requested within scope.

Status: Work order closed Q4 FY12

### **3.1.4 Field Services/Water Resources**

FY2012: No long term work was requested from USAID in this sector during FY12.

### **3.1.5 Technical Services**

A summary of work performed during the FY2012 by the Technical Services group demonstrated our diversity to meet special tasks as assigned. The work provided is described below.

#### **3.1.5.1 WO-LT-LT-0033 Claims Assistance**

FY2012: AESP provided OAA office claims assistance.

Status: Work order is ongoing.

#### **3.1.5.2 WO-LT-0042 Afghan Internship Program**

FY2012: The AESP female internship program provided four female students from Kabul University an opportunity to gain engineering experience in the Tt office.

Status: Work order is ongoing.

#### **3.1.5.3 WO-LT-0045 Darunta Technical Services**

FY2012: AESP evaluated the existing site conditions at Darunta Dam and submitted a draft site investigation report.

Status: Work order close Q3 FY12.

### **3.1.6 Transportation**

A summary of work performed during the FY2012 by the Transportation group includes providing QA services, document reviews, project meeting attendance, and ministry capacity building on several transportation projects to USAID, and is briefly described in the following section.

#### **3.1.6.1 WO-LT-0007 QA Oversight SPR (Strategic Provincial Roads) Southern and Eastern Afghanistan**

FY2012: AESP QA Engineers/Monitors reviewed plans and specifications for the various roadway projects.

AESP provided to USAID a hard copy and copy on CD of the Final Quality Assurance Manual that was developed for use in the ongoing training of the QA Engineers/Monitors for the SPR Program and as a field reference.

The work order was open during FY12 to provide support to USAID efforts within a defined scope.

Status: The work order was closed during Q3 FY12.

### **3.1.6.2 WO-LT-0009 Amendment 1 PRT Support – Khost Bridge Final Design**

FY2012: For a location in Khost Province, AESP developed conceptual documents and BOQs detailing four different bridge type designs. The four designs included box culverts, flat slab bridge superstructure supported on solid piers and abutments, reinforced concrete deck beam with reinforced concrete deck slab supported on solid piers and abutments, and corrugated metal pipe arches. The USAID/Khost PRT determined that the reinforced concrete design was the most appropriate design for the crossing at Sagai and met the needs of the Khost PRT and Khost Province. The final design was submitted.

Status: Work order closed Q3 FY12.

### **3.1.6.3 WO-LT-0009 Amendment 2 PRT Support – Bamyan Dam Sites Pre-Feasibility Studies**

FY2012: AESP completed the conceptual design for the implementation of a low-head diversion dam in the Kalu Valley, Bamyan Province including preliminary design drawings; geotechnical and geologic data; stability and seepage analysis; hydrology and hydraulics analysis; conceptual engineering designs for the dam, penstock, and powerhouse; and cost estimation.

Status: Work order closed Q1 FY12.

### **3.1.6.4 WO-LT-0009 Amendment 4 PRT Field Support – Matun and Lakan Crossings Conceptual Bridge Designs**

FY2012: AESP completed and submitted bridge type studies and conceptual designs for bridges located at Matun and Lakan in Khost Province.

Status: Work order closed Q1 FY12.

### **3.1.6.5 WO-LT-0029 Technical Assistance to USAID for Rehabilitation Design and Construction on Maimana and Faizabad Regional Airports Runways and Aprons**

AESP transportation engineers made many trips to Maimana and Faizabad airports. Trips were conducted to verify project progress, quality and project delays. During the visits, the team made a general review of the progress of the airport and held meetings with local officials, contractors and airport staff. Reports were prepared summarizing the findings of the site visits and the ongoing QA efforts.

AESP personnel attended meetings with MoTCA, USAID, FAA and contractor representatives to review airports progress, delays and problems. Summary meeting minutes of each meeting were prepared and submitted to USAID. AESP reviewed construction schedules, QC plans, drainage design data and material submittals for compliance with the specifications.

Status: Anticipate work order to close Q1 FY13.

### **3.1.6.6 WO-LT-0041 MoTCA Capacity Building: Project Administration – Maimana and Faizabad Airports**

AESP reviewed draft versions of ten monthly progress reports prepared by MoTCA for the two airports. Subsequent to review, AESP met with MoTCA to discuss comments and then revised reports to meet the reporting requirements of IL-17. AESP attended multiple

meetings with MoTCA representatives, both at MoTCA and at the AESP villa, to facilitate preparation of progress reports for submission to USAID.

Status: Anticipate work order to close Q1 FY13.

### 3.1.6.7 WO-LT-0049 Evaluation of MoPW Capacity to Conduct Roadway O&M

On May 1, 2012, AESP prepared and presented the findings to MoPW Minister H. E. Engineer Najibullah Aoudgan and several other Ministry officials at the Ministry offices. AESP submitted the final draft evaluation report including a detailed implementation plan to USAID on May 7, 2012.

Status: Work order closed Q3 FY12.

## 3.2 Administrative Work Orders

Administrative work orders are short term, less than 144 man hours. See Table 3.1 for summary of work

<b>Work Order Number</b>	<b>Work Order Title</b>	<b>Summary of Work Completed FY2012</b>
WO-A-0024	Afghan First COP Meetings	This work order was inactive and closed during Q2 FY12.
WO-A-0048	Afghan Standardization	Tetra Tech submitted a summary report on the investigation into the development of Afghan national construction standards. This work order was closed during Q1 FY12.
WO-A-0072	File Transfer Services	Tetra Tech was available to help with file transfers for USAID. This work order was closed during Q2 FY12.
WO-A-0077	KHPP Environmental Services	AESP performed a review of the environmental mitigation efforts of installation and operation of diesel units for the Kandahar Helmand Power Plant (KHPP). This work order was closed during Q2 FY12.
WO-A-0078	Kajaki Unit 2 Assessment	Tetra Tech performed a technical review of Unit 2 at Kajaki Dam. This work order was closed during Q1 FY12.
WO-A-0080	Gas Pipeline Pre-Feasibility Study	Tetra Tech prepared a pre-feasibility study of a gas line from Turkmenistan and Herat. The final report was submitted on Jan. 23, 2012. This work order was closed during Q2 FY12.
WO-A-0081	K-K Bridge Calculations Review	Tetra Tech performed a technical review of concrete bridges made with poor quality material on the Kabul Kandahar Road. This work order was closed during Q2 FY12.
WO-A-0082	SEPS Technical Services	Tetra Tech supported USAID at the joint SEPS Scoping meetings held at Kandahar Airfield with USACE. A field trip report and informal meeting observations were issued to USAID. This work order was closed during Q1 FY12.
WO-A-0083	Review of Sardar Girls High School Fire Doors	Regional suppliers of NFP-80 compliant, UL labeled fire doors, door assemblies were found, contacted, and costs quotes for SGHS fire door replacement were obtained. This work order was closed during Q1 FY12.
WO-A-0084	Sardar Girls High School Fire Door Suppliers and Cost Estimates	AESP performed a technical review of the fire door suppliers and provided cost estimates. WO was closed during Q3 FY12.
WO-A-0085	GBHS Winter Operations Support	AESP performed a technical review and provided winter operations support for the water treatment plant. Closed during Q3 FY12.
WO-A-0086	Darunta Dam Field Investigation	This work order was cancelled Q3 FY12.

### 3.3 Pending Work Orders

#### 3.3.1 Energy

##### 3.3.1.1 *WOLT0059 NEPS System Protective Relay Coordination Studies*

This work order will provide optimized relay settings for all of the primary substation protective relays at substations controlled by the national load control center (NLCC) at Tarakhil thermal power plant (TPP). High voltage system relays will be studied and the relay settings determined by AESP reach back staff. Medium voltage system relays will be studied and the settings determined by AESP staff in Kabul.

##### 3.3.1.2 *WO-LT-0061 NEPS Connections to Customers*

The objective of this work order is to develop technical documents in sufficient detail for an engineering, procurement and construction (EPC) contractor to continue the design and installation of the work to connect nearby customers to the proposed transmission line. The intent is for USAID to deliver the technical documents to DABS. DABS will bid the work and choose an EPC contractor. This process is described as “on-budget.”

##### 3.3.1.3 *WO-LT-0062 KHPP Onsite QA Technical Review*

The objective of this work order is to provide engineering support services for the Kajaki Dam Turbine Unit 2 installation. The prime contract for the Unit 2 work and related Unit 2 projects is currently being executed by Black and Veatch for USAID.

##### 3.3.1.4 *WO-LT-0063 Salang Tunnel SS Technical Sections*

The objective of this work order is to develop new technical documents to extend work from the existing 220kV transmission line (T/L) between Pul-e-Khumri Substation (SS) and Chintala SS to provide electrical power from the transmission line to customers near the southern terminus of the Salang Tunnel, Baghlan Province, Afghanistan, most notably the Afghan Ministry of Public Works (MoPW) which owns and operates the tunnel.

##### 3.3.1.5 *WO-LT-0064 Hisarshahi Industrial Park (HIP) SS Technical Sections*

The objective of this work order is to develop new technical documents to extend work from the existing 110kV bus at Ghawchak (New Jalalabad) substation (SS) with an 110kV transmission line (T/L) that would provide electricity to the HIP and nearby customers.

#### 3.3.2 Technical Services

##### 3.3.2.1 *WO-LT-0065 Media Assistance*

The objective of this work order is for AESP to support OEGI and the Development Outreach and Communications Office (DOC) on media projects as requested to feature completed and ongoing USAID infrastructure projects around Kabul and/or Afghanistan.

### 3.4 Progress

FY 2012 Work Order activity under this Task Order included work on 12 Administrative Work Orders and 34 Long Term Work Orders for a total of 46 Work Orders. The following is the breakdown of the number of Work Orders by sector:

- Energy: 4 Administrative Work Orders, 13 Long Term Work Orders
- Water, Sanitation, and Water Resources: 2 Administrative Work Orders, 2 Long Term Work Order
- Transportation: 1 Administrative Work Order, 8 Long Term Work Orders
- Vertical Structures: 2 Administrative Work Orders, 6 Long Term Work Orders (includes architecture, energy, and water and sanitation support)
- Technical Support Services: 5 Administrative Work Orders, 5 Long Term Work Orders

The value of Long Term Work Orders initiated in FY2012 was [REDACTED]. A complete listing of all the Work Orders issued under this Task Order from inception to current date can be found on the Work Order Status Table included in Appendix A.

## 4.0 Financial

FY 2012 contract MOD activity increased the obligated funding to [REDACTED] through MOD 17. See breakdown in Table 4-1.

### 4.1 Invoices, Projected Burn Rates, and Reach Back Usage

<b>Table 4-1 AESP Expenditures and Burn Rate</b>		
<b>AESP FY2010 Invoices:</b>		[REDACTED]
<b>AESP FY2011 Invoices:</b>		[REDACTED]
October 2011	[REDACTED]	
November 2011	[REDACTED]	
December 2011	[REDACTED]	
Subtotal Q1 Expenditures		[REDACTED]
January 2012	[REDACTED]	
February 2012	[REDACTED]	
March 2012	[REDACTED]	
Subtotal Q2 Expenditures		[REDACTED]
April 2012	[REDACTED]	
May 2012	[REDACTED]	
June 2012	[REDACTED]	
Subtotal Q3 Expenditures		[REDACTED]
July 2012	[REDACTED]	
August 2012	[REDACTED]	
September 2012	[REDACTED]	
Subtotal Q4 Expenditures		[REDACTED]
<b>FY2012 Cumulative Expenditures through September 30, 2012</b>		[REDACTED]
<b>Total Cumulative Expenditures through September 30, 2012</b>		[REDACTED]
<b>Current Estimated Average Burn Rate per Month</b>	[REDACTED]	

### 4.2 Obligated Funds

Status of Obligated Funds: Based on the current billing and projected burn rate, the [REDACTED] in Obligated Funding will be exhausted at the end of July 31, 2013.

## **Appendices**

## **Appendix A**

## **Work Order Status**

**WORK ORDER SUMMARY FY12**  
 Afghanistan Engineering Support Program  
 IQC: Task Order 01 - EDH-I-00-08-00027-00  
 USAID Technical Office: USAID/Office of Economic Growth and Infrastructure (OEGI)  
 Reporting Thru September 30, 2012

Energy
Water Resources
Vertical Structures
Transportation
Water and Sanitation
Multi-Disciplinary
USAID Technical Support
Pending Work Orders

Program Type <sup>(3)</sup>	Work Order Number	Description	Status <sup>(4)</sup>	Estimated Cost (ROM)	In Country Cost to Date <sup>(5)</sup>	Reach Back Cost to Date <sup>(5)</sup>	Total Cost to Date <sup>(5)</sup>
<b>WO-A: Administrative Work Orders<sup>(1)</sup></b>							
TS	WO-A-0024	Afghan First COP Meetings	Complete	NA	█	█	█
TS	WO-A-0058	Afghan Standardization	Complete	NA	█	█	█
W/S	WO-A-0060	Embassy Biodigestion Study	Complete	NA	█	█	█
TS	WO-A-0072	File Transfer Services	Complete	NA	█	█	█
TS	WO-A-0077	KHPP Environmental Services	Complete	NA	█	█	█
TS	WO-A-0078	Kajaki Unit 2 Assessment	Complete	NA	█	█	█
E	WO-A-0079	Tarakhil O&M Estimate	Complete	NA	█	█	█
E	WO-A-0080	Gas Pipeline Pre-Feasibility Study	Complete	NA	█	█	█
T	WO-A-0081	K-K Bridge Calculations Review	Complete	NA	█	█	█
E	WO-A-0082	SEPS Technical Services	Complete	NA	█	█	█
VS	WO-A-0083	Review of Sardar GHS Fire Doors	Complete	NA	█	█	█
VS	WO-A-0084	Sardar GHS Fire Door Suppliers and Cost Estimates	Complete	NA	█	█	█
W/S	WO-A-0085	GBHS Winter Operations Support	Complete	NA	█	█	█
E	WO-A-0086	Darunta Dam Field Investigation	Cancelled	NA	\$0	\$0	\$0
<b>WO-LT: Long Term Work Orders<sup>(2)</sup></b>							
VS	WO-LT-0001	Regional and Provincial Training Centers Concept and Final Design	Complete	█	█	█	█
W/S, E	WO-LT-0005	GBHS Utility Construction Documents	Complete	█	█	█	█
W/S, E	WO-LT-0006	SGHS Utility Construction Documents	Open	█	█	█	█
T	WO-LT-0007	QA Oversight SPR - Southern & Eastern Afghanistan	Complete	█	█	█	█
T	WO-LT-0009	PRT Field Support	Open	█	█	█	█
T	WO-LT-0009 AMD 1	PRT Field Support - Khost Bridge Final Design	Complete	█	█	█	█
T	WO-LT-0009 AMD 2	PRT Field Support - Bamyan Dam Sites Pre-Feasibility Studies	Open	█	█	█	█
T	WO-LT-0009 AMD 4	Matun and Lakan Crossings Conceptual Bridge Designs	Complete	█	█	█	█
E	WO-LT-0012	PK to Chimtala Transmission Line	Complete	█	█	█	█
VS	WO-LT-0014	VTC Green Design	Complete	█	█	█	█
VS	WO-LT-0015	Kabul University Technical Assistance	Complete	█	█	█	█
E	WO-LT-0021	Selected NEPS Transmission Line Field Investigation	Complete	█	█	█	█
E	WO-LT-0022	Power Reliability Study (US Embassy, USAID)	Complete	█	█	█	█
E	WO-LT-0023	Afghanistan Electrical Transmission & Generation Study	Complete	█	█	█	█
E	WO-LT-0024	Kud Bergh (Mazar) 48MW Power Plant Field Investigation	Complete	█	█	█	█
E	WO-LT-0025	RC-East Villages Electrification	Complete	█	█	█	█
T	WO-LT-0029	Maimana and Faizabad Airport 3rd Party QA	Open	█	█	█	█
TS	WO-LT-0033 AMD 1	USAID/OAA Claims Assistance	Complete	█	█	█	█
TS	WO-LT-0033 AMD 2	USAID/OAA Claims Assistance	Open	█	█	█	█
TS	WO-LT-0033 AMD 3	USAID/OAA Claims Assistance	Open	█	█	█	█
E	WO-LT-0035	Afghanistan Electricity Sector Economic Study	Complete	█	█	█	█

## **Project Issues Summary**

Project Issues Summary		Key		
	R	●	Issue requires direction or is behind schedule.	
Afghanistan Engineering Support Program (AESP)	Y	●	Issue is proceeding but clarification or direction is required for completion.	
UPDATED: September 30, 2012 By: [REDACTED]	G	●	Issue is proceeding and is expected to be completed on schedule.	
Issue	Status		Action Required	
<b>Contract Plans</b>				
Annual Work Plan	G	●	Final Y3 work plan submitted 11/3/11. Y4 Draft work plan submitted 8/2/12. Awaiting USAID comments	
PMP (Performance Monitoring Plan)	G	●	Final PMP submitted 4/3/2010. USAID requested revisions 10/16/10 and met with TT on 11/6. TT submitted draft 11/20/10. Sector PMP forms submitted 11/22/10. No action required.	
Quarterly Progress Reports	G	●	Final FY2012 Q2 Report submitted 4/18/12. FY2012 Q3 Report -Final submitted 7/22/12. No action required.	
Annual Report for Each FY	G	●	TT submitted final Y2 report on 12/22/11. Y3 report due 11/1/12. No action required.	
<b>Financial</b>				
Status of Obligated Funds and Budget Approval	G	●	Working on revised staffing plan. No action required.	
Contract Expenditure Status	G	●	Last invoice submitted 09/14/12. TT to submit invoice around mid-October	
Obligated Contract Expenditure	G	●	MOD 17 issued on 07/08/12. Increased obligated funding to [REDACTED]. No action required.	
Quarterly Accruals	G	●	FY2012 Q4 Accrual letter to be sent on 09/18/2012. No action required.	
<b>1420s &amp; Staffing Approval</b>				
1420 Approvals for Tetra Tech Employees and Sub-Consultants	G	●	No action required	
<b>Misc Items</b>				
AESP Briefing	G	●	Tentatively schedule on Oct 10 or 11. Finalize presentation date	

## **Appendix B**

**FY 2012 Project Deliverables (CD)**

**USAID/Afghanistan**  
U.S. Embassy Cafe Compound  
Great Masood Road  
Kabul, Afghanistan  
Tel: 202.216.6288  
<http://afghanistan.usaid.gov>