FY 2008 GLOBAL WAR ON TERROR
BUDGET ESTIMATE

Military Construction, Army
Construction Project Data

February 2007
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For an additional amount for “Military Construction, Army”, $738,850,000, to remain available until September 30, 2012: Provided, that such funds may be obligated and expended to carry out planning and design and military construction projects not otherwise authorized by law.

This request would provide $738,850,000 to fund various military construction projects to support Operations Iraqi Freedom and Enduring Freedom. The requested funds will provide force protection measures, airfield facilities, operational facilities, support facilities, fuel handling & storage, and roads.
1. **Introduction.** This request supports various military construction projects that fulfill Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) theater infrastructure requirements.

2. **MILCON**

   This request supports the National Strategy for the Global War on Terror Theater Strategy military objectives. The requested funds provide projects critical to the support of deployed warfighters, operational requirements for airfields, command and control, and support facilities to ensure safe and efficient military operations, and vital route hardening to counter the IED threat of Convoys in Iraq. These projects fulfill the Department’s immediate mission needs and urgent infrastructure requirements in the theater in support of ongoing operations in Afghanistan and Iraq. These projects are critical in providing for the life, health, and safety of the Soldiers prosecuting OIF and OEF. The two projects at Bagram, Afghanistan expand on the infrastructure projects that were submitted for the FY 07 Supplemental request. As a Forward Operating Site, Bagram must be able to provide for a long term steady state presence while being able to surge to meet theater contingency requirements. The Ammunition Supply Point project will provide a greater safety capacity to allow the storage of munitions needed for strategic bombing. Currently, power generation at Bagram is from contracted generators that cost $11M per year and is not capable of supporting the increasing demands. The design for the replacement generator will meet future demands even at peak power surges while significantly decreasing the cost of power generation.

   The thirty-one projects in Iraq support the commander’s strategy on consolidating U.S. Forces in the final Operational Overwatch Contingency Operation Bases and Locations. Seven projects support landfills which are part of the retrograde plan and closure activities (Fallujah, Marez, Warrior, Taquaudum, and Ramadi). These landfills are required to ensure we meet environmental, base camp closure, and property disposal procedures. As we close these sites there is significant need for landfill sites that cannot be met through contracts or retrograde to properly dispose of the waste, and non-retrogradeable material. The final consolidation location will also have landfills (VBC, Speicher, Al Asad, and LSA Anaconda) to prep for their eventual closure and provide sufficient capacity to handle the remaining waste generated through current operations.
The four urban bypass projects increase the safety of the forces by allowing future traffic to bypass urban areas, minimize IED threat, and improve trafficability between the final consolidation bases and the neighboring countries. The five power plant projects provide increased power generation capacity at two of the final Contingency Operation Bases and two of the final Contingency Operation Locations. These sites will require additional power generation as the force consolidates and as smaller Contingency Operating sites are closed. These power plants also replace smaller leased generators lowering the annual cost for power generation. Two logistic facilities and six infrastructure projects on the final Operational Overwatch Bases are designed to ensure the future needs are met for water, fuel, and supply storage. The six remaining projects replace deteriorated facilities, construct new Life Support Areas and provide force protection measures as MNF-I forces consolidate forces into the final Operation Overwatch Contingency Operation Bases and Locations.
FY2008 Military Construction Global War on Terror Request
Military Construction, Army

($ in thousands)

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Military Construction, Army

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($) in thousands)
Summary of Military Construction Projects

**Component:** ARMY

**Category:** Support Facilities

**Project:** ASP (PN 68082)

**Location:** Bagram, Afghanistan

**($000) Amount:** $62,000

**Description/Justification:** This project will build 12 munitions storage igloos that will support both Army and Air Force requirements on the base. These igloos will increase the size and amount of munitions that can be stored at Bagram.

**Impact if not provided:** Without this project, the units will not be able to store the larger munitions for their bombers and limits the amount of these munitions that can be stored. This project will allow the storage of these type of munitions which increase the Air Forces ability to project more air power from Bagram.

**Category:** Utilities

**Project:** Power Plant (PN 68067)

**Location:** Bagram, Afghanistan

**($000) Amount:** $41,000

**Description/Justification:** This project will replace a smaller lease power plant with a larger power plant and distribution system. Afghanistan does not have a commercial power grid. A continuous, reliable power plant is needed to meet the current and future Bagram Air Field (BAF), Afghanistan operational requirements. The power plant will significantly improve power reliability & stability to this critical Forward Operating Site. In addition, the power plant will dramatically reduce the expenses currently incurred with the smaller leased power plant.

**Impact if not provided:** If not provided, the current electrical capacity will not meet the new requirements.
Summary of Military Construction Projects

**Category:** Utilities

**Project:** Power Plant (PN 67994)

**Location:** Adder, Iraq

**($000) Amount:** $39,000

**Description/Justification:** This project will construct a power plant and distribution system. Currently there is no primary electrical power distribution infrastructure of sufficient capacity exists within reasonable proximity to areas which existing and planned facilities may source their electrical power. Currently the camp uses diesel generator sets to provide power which is expensive. Due to greater pollution discharge, continued reliance on individual diesel engine generator sets will result in the further degradation of air quality in and around the base.

**Impact if not provided:** If not provided, the current electrical capacity will not meet the new requirements. Also the air quality will continue to degrade causing further environmental issues.

**Category:** Utilities

**Project:** POL Storage Area (PN 68014)

**Location:** Camp Adder, Iraq

**($000) Amount:** $10,000

**Description/Justification:** This project will construct storage tanks to meet Petroleum Oil and Lubricant (POL) mission and storage requirements. Currently, fuel operations are often interrupted due to significant amounts of maintenance on the existing fuel bladders.

**Impact if not provided:** Without this project, fuel will continue to be stored in deteriorated temporary storage bags, making fuel transfer more cumbersome and time consuming.
Summary of Military Construction Projects

Category: Utilities

Project: Waste Water Treatment and Collection System (PN 68013)

Location: Camp Adder, Iraq

($000) Amount: $9,800

Description/Justification: This project will construct a waste water treatment plant and sewage collection system. The installation currently trucks sewage off base because there are no sewage systems. Most of the buildings have separate sewer tanks that must be pumped out and the product taken off base to be disposed of. The trucking process is extremely expensive and time consuming. The trucks must be inspected and searched prior to entering and leaving the base, which poses a great force protection risk. The constant transfer process from tanks to trucks results in frequent leaks that leaves waste water spilled on the ground.

Impact if not provided: If not provided, the sewage removal process will create traffic congestion resulting in disruption of operations.

Category: Warehouse

Project: Multi Class Storage Warehouse (PN 68003)

Location: Camp Adder, Iraq

($000) Amount: $17,000

Description/Justification: Project will construct a warehouse to support logistical operations. Warehouse will include a controlled humidity system to improve materials storage life.

Impact if not provided: If not provided, warehouses supplies will be stored in the open and subject to environmental degradation; therefore delaying support to deploying units and stressing the supply system.
Summary of Military Construction Projects

Category: Force Protection

Project: Entry Control Point (PN 68001)

Location: Adder, Iraq

($000) Amount: $4,850

Description/Justification: This project will construct an Entry Control Point (ECP) to include a Processing Facility and site work to provide a search area for vehicles entering the base. The existing ECPs are not sufficient causing current security operations to require a significant amount of time to process military vehicles to enter the compound. Vehicle screening is not accomplished until after vehicles have passed the initial entry control point, putting military personnel at increased risk to vehicle borne improvised explosive devices and small arms fire.

Category: Utilities

Project: Power Plant (PN 67992)

Location: AL Asad, Iraq

($000) Amount: $40,000

Description/Justification: This project will construct a power plant and distribution system. Currently there is no primary electrical power distribution infrastructure of sufficient capacity exists within reasonable proximity to areas which existing and planned facilities may source their electrical power. Currently the camp uses diesel generator sets to provide power which is expensive. Due to greater pollution discharge, continued reliance on individual diesel engine generator sets will result in the further degradation of air quality in and around the base.

Impact if not provided: If not provided, the current electrical capacity will not meet the new requirements. Also the air quality will continue to degrade causing further environmental issues.
Summary of Military Construction Projects

**Category:** Utilities

**Project:** Landfill (PN 68022)

**Location:** Al Asad, Iraq

**($000) Amount:** $3,100

**Description/Justification:** Project will construct a landfill for the safe disposal of incinerator ash and other solid waste generated at the base. The daily ash from incinerators continues to accumulate without a legitimate means of disposal. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit.

**Impact if not provided:** If not provided the camp personnel will continue to be exposed to hazardous smoke.

**Category:** Road/Force Protection

**Project:** Urban By Pass Road (counter IED) (PN 68006)

**Location:** Al Asad, Iraq

**($000) Amount:** $43,000

**Description/Justification:** This project will construct a portion of an existing road. The existing road is highly traveled by US and Coalition forces and is unpaved and in poor condition. This requires traffic to drive more slowly, exposing US and Coalition forces to small arms fire from static positions and increasing the amount of time US and Coalition forces spend on the road.

**Impact if not provided:** Frequency of mortar attacks continue to rise. Paving this section of road will enhance force protection measures and safety for US and Coalition forces.
Category: Utilities

Project: Landfill (PN 68020)

Location: LSA Anaconda, Iraq

($000) Amount: $6,200

Description/Justification: Project will construct a landfill for the safe disposal of incinerator ash and other solid waste generated at the base. The daily ash from incinerators continues to accumulate without a legitimate means of disposal. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit.

Impact if not provided: If not provided the camp personnel will continue to be exposed to hazardous smoke.

Category: Utilities

Project: Power Plant (PN 67990)

Location: LSA Anaconda, Iraq

($000) Amount: $39,000

Description/Justification: This project will construct a power plant and distribution system. Currently there is no primary electrical power distribution infrastructure of sufficient capacity exists within reasonable proximity to areas which existing and planned facilities may source their electrical power. Currently the camp uses diesel generator sets to provide power which is expensive. Due to greater pollution discharge, continued reliance on individual diesel engine generator sets will result in the further degradation of air quality in and around the base.

Impact if not provided: If not provided, the current electrical capacity will not meet the new requirements. Also the air quality will continue to degrade causing further environmental issues.
Category: Road/Force Protection

Project: Urban By Pass Road (counter IED) (PN 68007)

Location: Anaconda, Iraq

($000) Amount: $43,000

Description/Justification: This project will construct a portion of an existing road. The existing road is highly traveled by US and Coalition forces and is unpaved and in poor condition. This requires traffic to drive more slowly, exposing US and Coalition forces to small arms fire from static positions and increasing the amount of time US and Coalition forces spend on the road.

Impact if not provided: Frequency of mortar attacks continue to rise. Paving this section of road will enhance force protection measures and safety for US and Coalition forces.

Category: Utilities

Project: Landfill (PN 68017)

Location: Camp Fallujah, Iraq

($000) Amount: $880

Description/Justification: Project will construct a landfill for the safe disposal of incinerator ash and other solid waste generated at the base. The daily ash from incinerators continues to accumulate without a legitimate means of disposal. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit.

Impact if not provided: If not provided the camp personnel will continue to be exposed to hazardous smoke.
Category: Utilities

Project: Landfill (PN 68019)

Location: Camp Marez, Iraq

($000) Amount: $880

Description/Justification: Project will construct a landfill for the safe disposal of incinerator ash and other solid waste generated at the base. The daily ash from incinerators continues to accumulate without a legitimate means of disposal. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit.

Impact if not provided: If not provided the camp personnel will continue to be exposed to hazardous smoke.

Category: Road/Force Protection

Project: Urban By Pass Road (counter IED) (PN 68009)

Location: Mosul, Iraq

($000) Amount: $43,000

Description/Justification: This project will construct a portion of an existing road. The existing road is highly traveled by US and Coalition forces and is unpaved and in poor condition. This requires traffic to drive more slowly, exposing US and Coalition forces to small arms fire from static positions and increasing the amount of time US and Coalition forces spend on the road.

Impact if not provided: Frequency of mortar attacks continue to rise. Paving this section of road will enhance force protection measures and safety for US and Coalition forces.
Summary of Military Construction Projects

Category: Utilities

Project: Power Plant (PN 67993)

Location: Q-West, Iraq

($000) Amount: $26,000

Description/Justification: This project will construct a power plant and distribution system. Currently there is no primary electrical power distribution infrastructure of sufficient capacity exists within reasonable proximity to areas which existing and planned facilities may source their electrical power. Currently the camp uses diesel generator sets to provide power which is expensive. Due to greater pollution discharge, continued reliance on individual diesel engine generator sets will result in the further degradation of air quality in and around the base.

Impact if not provided: If not provided, the current electrical capacity will not meet the new requirements. Also the air quality will continue to degrade causing further environmental issues.

Category: Utilities

Project: Landfill (PN 68015)

Location: Camp Ramadi, Iraq

($000) Amount: $880

Description/Justification: Project will construct a landfill for the safe disposal of incinerator ash and other solid waste generated at the base. The daily ash from incinerators continues to accumulate without a legitimate means of disposal. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit.

Impact if not provided: If not provided the camp personnel will continue to be exposed to hazardous smoke.
Summary of Military Construction Projects

**Category:** Force Protection

**Project:** Entry Control Point (PN 68000)

**Location:** Scania, Iraq

**($000) Amount:** $5,000

**Description/Justification:** This project will construct an Entry Control Point (ECP) to include a Processing Facility and site work to provide a search area for vehicles entering the base. The existing ECPs are not sufficient causing current security operations to require a significant amount of time to process military vehicles to enter the compound. Vehicle screening is not accomplished until after vehicles have passed the initial entry control point, putting military personnel at increased risk to vehicle borne improvised explosive devices and small arms fire.

**Impact if not provided:** If not provided, the stationary personnel and vehicles will continue to be at great risk due to significant delays at the entry point.

**Category:** Utilities

**Project:** Power Plant (PN 67991)

**Location:** Camp Speicher, Iraq

**($000) Amount:** $39,000

**Description/Justification:** This project will construct a power plant and distribution system. Currently there is no primary electrical power distribution infrastructure of sufficient capacity exists within reasonable proximity to areas which existing and planned facilities may source their electrical power. Currently the camp uses diesel generator sets to provide power which is expensive. Due to greater pollution discharge, continued reliance on individual diesel engine generator sets will result in the further degradation of air quality in and around the base.

**Impact if not provided:** If not provided, the current electrical capacity will not meet the new requirements. Also the air quality will continue to degrade causing further environmental issues.
Summary of Military Construction Projects

**Category:** Utilities

**Project:** Landfill (PN 68021)

**Location:** Camp Speicher, Iraq

**($000) Amount:** $5,900

**Description/Justification:** Project will construct a landfill for the safe disposal of incinerator ash and other solid waste generated at the base. The daily ash from incinerators continues to accumulate without a legitimate means of disposal. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit.

**Impact if not provided:** If not provided the camp personnel will continue to be exposed to hazardous smoke.

**Category:** Utilities

**Project:** Waste Water Treatment and Collection System (PN 68011)

**Location:** Camp Speicher, Iraq

**($000) Amount:** $9,800

**Description/Justification:** This project will construct a waste water treatment plant and sewage collection system. The installation currently trucks sewage off base because there are no sewage systems. Most of the buildings have separate sewer tanks that must be pumped out and the product taken off base to be disposed of. The trucking process is extremely expensive and time consuming. The trucks must be inspected and searched prior to entering and leaving the base, which poses a great force protection risk. The constant transfer process from tanks to trucks results in frequent leaks that leaves waste water spilled on the ground.

**Impact if not provided:** If not provided, the sewage removal process will create traffic congestion resulting in disruption of operations.
Summary of Military Construction Projects

**Category:** Airfield Operations

**Project:** Rotary Wing Parking Apron (PN 68004)

**Location:** Camp Speicher, Iraq

**($000) Amount:** $49,000

**Description/Justification:** This project will construct a heavy aircraft apron. The base routinely has multiple heavy aircraft off-loading cargo and passengers at the same time. The parking aprons are not sized to park heavy commercial and military aircraft which are forced to park on unlighted active taxiways. The situation forces heavy cargo equipment to operate extremely close to the aircraft, personnel on foot, and the passenger terminal which is adjacent to the cargo yard. This creates a critical safety hazard that will become worse as more missions consolidate on base.

**Impact if not provided:** If this project is not provided the lack of apron space will continue to create serious safety hazards, mixing passengers, aircraft, and cargo equipment in dangerously close proximities.

**Category:** Utilities

**Project:** Landfill (PN 68016)

**Location:** Camp Taqqadum, Iraq

**($000) Amount:** $880

**Description/Justification:** Project will construct a landfill for the safe disposal of incinerator ash and other solid waste generated at the base. The daily ash from incinerators continues to accumulate without a legitimate means of disposal. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit.

**Impact if not provided:** If not provided the camp personnel will continue to be exposed to hazardous smoke.
Summary of Military Construction Projects

**Category:** Road/Force Protection

**Project:** Urban By Pass Road (counter IED) (PN 68008)

**Location:** Tikrit, Iraq

**($000) Amount:** $43,000

**Description/Justification:** This project will construct a portion of an existing road. The existing road is highly traveled by US and Coalition forces and is unpaved and in poor condition. This requires traffic to drive more slowly, exposing US and Coalition forces to small arms fire from static positions and increasing the amount of time US and Coalition forces spend on the road.

**Impact if not provided:** Frequency of mortar attacks continue to rise. Paving this section of road will enhance force protection measures and safety for US and Coalition forces.

**Category:** Utilities

**Project:** Landfill (PN 68023)

**Location:** Camp Victory, Iraq

**($000) Amount:** $6,200

**Description/Justification:** Project will construct a landfill for the safe disposal of incinerator ash and other solid waste generated at the base. The daily ash from incinerators continues to accumulate without a legitimate means of disposal. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit.

**Impact if not provided:** If not provided the camp personnel will continue to be exposed to hazardous smoke.
Summary of Military Construction Projects

**Category:** Force Protection

**Project:** Entry Control Point (PN 68002)

**Location:** Camp Victory, Iraq

**(000) Amount:** $5,000

**Description/Justification:** This project will construct an Entry Control Point (ECP) to include a Processing Facility and site work to provide a search area for vehicles entering the base. The existing ECPs are not sufficient causing current security operations to require a significant amount of time to process military vehicles to enter the compound. Vehicle screening is not accomplished until after vehicles have passed the initial entry control point, putting military personnel at increased risk to vehicle borne improvised explosive devices and small arms fire.

**Impact if not provided:** If not provided, the stationary personnel and vehicles will continue to be at great risk due to significant delays at the entry point.

**Category:** Facility

**Project:** Level 3 Hospital (PN 68005)

**Location:** Camp Victory, Iraq

**(000) Amount:** $13,400

**Description/Justification:** Project will construct a new Level 3 Medical Clinic. The current mobile units are located in tents that are not suitable as long-term medical facilities. Tents will begin to deteriorate within the year and will have to be replaced. Air distribution ductwork is beginning to deteriorate as well. These conditions are conducive to mildew growth that could result in respiratory illness leading to a decline in medical care.

**Impact if not provided:** Existing facilities are not protected against explosive shrapnel. As they are located in close proximity to the Camp’s perimeter, they are susceptible to periodic rocket and mortar attacks. This force protection construction is essential to saving Soldiers’ lives.
Summary of Military Construction Projects

**Category:** Utilities

**Project:** Waste Water Treatment and Collection System (PN 68012)

**Location:** Camp Victory, Iraq

**(000) Amount:** $9,800

**Description/Justification:** This project will construct a waste water treatment plant and sewage collection system. The installation currently trucks sewage off base because there are no sewage systems. Most of the buildings have separate sewer tanks that must be pumped out and the product taken off base to be disposed of. The trucking process is extremely expensive and time consuming. The trucks must be inspected and searched prior to entering and leaving the base, which poses a great force protection risk. The constant transfer process from tanks to trucks results in frequent leaks that leaves waste water spilled on the ground.

**Impact if not provided:** If not provided, the sewage removal process will create traffic congestion resulting in disruption of operations.

**Category:** Utilities

**Project:** Landfill (PN 68018)

**Location:** Camp Warrior, Iraq

**(000) Amount:** $880

**Description/Justification:** Project will construct a landfill for the safe disposal of incinerator ash and other solid waste generated at the base. The daily ash from incinerators continues to accumulate without a legitimate means of disposal. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit.

**Impact if not provided:** If not provided the camp personnel will continue to be exposed to hazardous smoke.
Summary of Military Construction Projects

**Category:** Support Facilities

**Project:** Facilities Replacement, phase I (PN 68010)

**Location:** Various, Iraq

**($000) Amount:** $36,000

**Description/Justification:** This project will replace initial expeditionary facilities with new construction. Currently this requirement is being met by temporary facilities that were constructed during the initial stages of Operation Iraqi Freedom. However, these facilities are starting to age and deteriorate to the point where they require constant repair to remain functional. The existing facilities were designed and constructed with expediency in mind and were only intended for a few years of use.

**Impact if not provided:** Without replacement, the bases will continue to rely upon the older structures and experience shortfalls in the number and size of facilities needed.

**Category:** Support Facilities

**Project:** Facilities Replacement, Phase II (PN 67998)

**Location:** Various, Iraq

**($000) Amount:** $36,000

**Description/Justification:** This project will replace initial expeditionary facilities with new construction. Currently this requirement is being met by temporary facilities that were constructed during the initial stages of Operation Iraqi Freedom. However, these facilities are starting to age and deteriorate to the point where they require constant repair to remain functional. The existing facilities were designed and constructed with expediency in mind and were only intended for a few years of use.

**Impact if not provided:** Without replacement, the bases will continue to rely upon the older structures and experience shortfalls in the number and size of facilities needed.
Summary of Military Construction Projects

**Category**: Force Protection

**Project**: Overhead Cover - eGlass (PN 67995)

**Location**: Various, Iraq

**($000) Amount**: $30,000

**Description/Justification**: Project will construct facility overhead cover systems for selected high-density gathering facilities at various locations in Iraq. Specific facilities are prioritized based upon threat and vulnerability assessments. The likelihood of attack on a high-density gathering facility has increased. There is mounting evidence that anti-Iraqi forces are specifically targeting these facilities.

**Impact if not provided**: Failure to provide overhead cover greatly increases the risk of mass casualties from indirect fire attacks.

**Planning & Design**

**Project**: Planning and Design (PN 68198)

**Location**: Iraq and Afghanistan

**($000) Amount**: $19,400

**Category**: n/a

**Priority**: n/a

**Justification**: Provides for Government planning and design efforts associated with the above projects.
Summary of Military Construction Projects

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Construct a new Ammunition Supply Point (ASP). Prepare site, build storage facilities, construct new outbuildings, and construct concrete inspection pads to ensure security of personnel and ammunition. Provide force protection by erecting concrete barriers, berms, fencing, and lighting for the area.
ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:
   A. Estimated Design Data:
      (1) Status:
           (a) Date Design Started.......................... MAR 2007
           (b) Percent Complete As Of January 2007............. 0.00
           (c) Date 35% Designed............................. OCT 2007
           (d) Date Design Complete............................ FEB 2008
           (e) Parametric Cost Estimating Used to Develop Costs NO
           (f) Type of Design Contract: Design-build
      (2) Basis:
           (a) Standard or Definitive Design: NO
      (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
           (a) Production of Plans and Specifications......... 2,000
           (b) All Other Design Costs..........................
           (c) Total Design Cost............................... 2,000
           (d) Contract........................................
           (e) In-house........................................ 2,000
      (4) Construction Contract Award...................... NOV 2007
      (5) Construction Start............................... MAR 2008
      (6) Construction Completion.......................... SEP 2009

   B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Fiscal Year Cost ($000)</th>
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<tbody>
<tr>
<td>NONE</td>
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<td></td>
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</table>
Construction a 30 MW power plant, transformer substation and associated distribution system for the Base Camp power requirement in support of the camp personnel. Site work includes clearing, grubbing, and leveling the area for the power plant and plant operator’s building. Power plant will consist of individual enclosed generator platforms, a modular control room, modular switchgear, and required fuel system. A modular plant operator’s facility will be constructed to provide an area for 24-hour plant operators, to be used as office area, and bunkhouse.

Construction a 30 MW power plant, transformer substation and associated distribution system for the Base Camp power requirement in support of the camp personnel. Site work includes clearing, grubbing, and leveling the area for the power plant and plant operator’s building. Power plant will consist of individual enclosed generator platforms, a modular control room, modular switchgear, and required fuel system. A modular plant operator’s facility will be constructed to provide an area for 24-hour plant operators, to be used as office area, and bunkhouse.

11. REQ: 30,000 kWe ADQT: NONE SUBSTD: 30,000 kWe

PROJECT: Design and construct a 30MW power plant that is needed for the Base Camp power requirements. Provisions for future expansion must be included.

REQUIREMENT: A 30MW power plant expansion is needed for camp to provide reliable power to the Base Camp that does not degrade the overall environment. The design and construction of a 30MW power plant will drastically reduce the expenditures of cost for diesel fuel and cost of maintenance required, which ultimately reduce the government’s annual cost for the use of plant power.

### Cost Estimates

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Cost ($000)</th>
</tr>
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<tbody>
<tr>
<td><strong>Primary Facility</strong></td>
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<td><strong>Supporting Facilities</strong></td>
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<td><strong>Installed EQT - Other Approp</strong></td>
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9. COST ESTIMATES (CONTINUED)

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<tr>
<th>Item</th>
<th>UM (M/E)</th>
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<td>Transformers</td>
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<tr>
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<td>m (LF)</td>
<td>609.60 (2,000)</td>
<td>68.31</td>
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</table>

Total 11,027

CURRENT SITUATION: Currently the Base Camp does not have the required prime power other than the use of diesel prime power generators for which cost the government over $20M per year. The diesel generators are expensive, require extensive maintenance and contribute to the poor air quality on entire Camp.

IMPACT IF NOT PROVIDED: The Base Camp will continue to expend large amounts of resources (currently over $20M) to lease the prime power generation plants. The diesel generators will continue to require additional maintenance and will continue to contribute to the poor air quality throughout the entire camp.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
   (1) Status:
      (a) Date Design Started......................... FEB 2007
      (b) Percent Complete As Of January 2007.......... .00
      (c) Date 35% Designed............................ OCT 2007
      (d) Date Design Complete.......................... FEB 2008
      (e) Parametric Cost Estimating Used to Develop Costs NO
      (f) Type of Design Contract: Design-build

   (2) Basis:
      (a) Standard or Definitive Design: NO

   (3) Total Design Cost (c) = (a)+(b) OR (d)+(e):
      (a) Production of Plans and Specifications........ 1,600
      (b) All Other Design Costs.......................... 1,600
      (c) Total Design Cost................................ 1,600
      (d) Contract........................................ 1,600
      (e) In-house........................................ 1,600
Afghanistan Various, Afghanistan

Power Plant

12. SUPPLEMENTAL DATA: (Continued)
   A. Estimated Design Data: (Continued)
      (4) Construction Contract Award.......................... November 2007
      (5) Construction Start................................. March 2008
      (6) Construction Completion............................ March 2010

   B. Equipment associated with this project which will be provided from
      other appropriations:

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<tr>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
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</tbody>
</table>
Construction a 30 MW power plant, transformer substation and complete distribution system at LSA Adder in support of the camp personnel. Site work includes clearing, grubbing, and leveling the area for the power plant and plant operator’s building. Power plant will consist of individual enclosed generator platforms, a modular control room, modular switchgear, and required fuel system. A modular plant operator’s facility will be constructed to provide an area for 24-hour plant operators, to be used as office area, and bunkhouse.

### COST ESTIMATES

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<thead>
<tr>
<th>ITEM</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>UNIT COST</th>
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<tr>
<td><strong>PRIMARY FACILITY</strong></td>
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<td><strong>INSTALLED EQT - OTHER APPROP</strong></td>
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</table>

**11. REQ:** 30,000 kWe ADQT: NONE SUBSTD: 30,000 kWe

**PROJECT:** Design and construct a 30MW power plant and distribution system that is needed for LSA Adder, Iraq. Provisions for future expansion must be included.

**REQUIREMENT:** A 30MW power plant expansion is needed for LSA Adder, Iraq to provide reliable power to the Base Camp that does not degrade the environment of the LSA. The design and construction of a 30MW power plant will drastically reduce the expenditures of cost for diesel fuel and cost of maintenance required, which ultimately reduce the government’s annual cost for the use of plant power. The distribution system will allow for efficient disbursement.
9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>Unit Cost</th>
<th>COST</th>
<th>($000)</th>
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<tr>
<td>PRIMARY FACILITY (CONTINUED)</td>
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<td>Ductile Iron, cls 50/fit joint</td>
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</table>

REQUIREMENT: (CONTINUED)

without traffic interruption from overhead lines and excessive lengths that
decrease efficiency.

CURRENT SITUATION: LSA Adder currently does not have the required prime
power other than the use of diesel prime power generators for which cost the
government over $20M per year. The diesel generators are expensive, require
extensive maintenance and contribute to the poor air quality on the LSA Adder.

IMPACT IF NOT PROVIDED: LSA Adder will continue to expend large amounts of
resources (currently over $20M) to lease the prime power generation plants.
The diesel generators will continue to require additional maintenance and will
continue to contribute to the poor air quality on the LSA Adder.

ADDITIONAL: All required physical security and antiterrorism/force
protection measures will be incorporated. Sustainable principles will be
integrated into the development, design, and construction of the project.
Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started.......................... MAR 2007
   (b) Percent Complete As Of January 2007......... .00
   (c) Date 35% Designed............................ OCT 2007
   (d) Date Design Complete.......................... FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):       ($000)
   (a) Production of Plans and Specifications........ 1,400
3. INSTALLATION AND LOCATION

Camp Adder, Iraq

4. PROJECT TITLE

Power Plant

5. PROJECT NUMBER

67994

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(b) All Other Design Costs..............................

(c) Total Design Cost...................................

(d) Contract...........................................

(e) In-house.........................................

1,400

1,400

(4) Construction Contract Award....................... NOV 2007

(5) Construction Start................................. MAR 2008

(6) Construction Completion.............................. MAR 2009

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


1. COMPONENT: ARMY
2. DATE: 03 FEB 2007
3. INSTALLATION AND LOCATION: Camp Adder, Iraq
4. PROJECT TITLE: Petroleum Oil & Lubricant Storage Area
5. PROGRAM ELEMENT: 412
6. CATEGORY CODE: 68014
7. PROJECT NUMBER: 10,000
8. PROJECT COST ($000): Auth 10,000, Approp 10,000
9. COST ESTIMATES:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>UNIT COST</th>
<th>COST ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY FACILITY</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diesel Oil Storage</td>
<td>L (GA)</td>
<td>18927060</td>
<td>.33</td>
<td>(6,250)</td>
</tr>
<tr>
<td>POL Pipeline, Above Ground</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(1,000)</td>
</tr>
<tr>
<td>SUPPORTING FACILITIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site Imp( 1,254) Demo(  )</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(1,254)</td>
</tr>
<tr>
<td>Information Systems</td>
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<td>--</td>
<td>--</td>
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<td>ESTIMATED CONTRACT COST</td>
<td></td>
<td></td>
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<td>8,579</td>
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<tr>
<td>CONTINGENCY PERCENT (5.00%)</td>
<td></td>
<td></td>
<td></td>
<td>429</td>
</tr>
<tr>
<td>SUBTOTAL</td>
<td></td>
<td></td>
<td></td>
<td>9,008</td>
</tr>
<tr>
<td>SUPV, INSPECT &amp; OVERHEAD (7.70%)</td>
<td></td>
<td></td>
<td></td>
<td>694</td>
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<tr>
<td>DESIGN/BUILD - DESIGN COST</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>TOTAL REQUEST</td>
<td></td>
<td></td>
<td></td>
<td>10,062</td>
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<tr>
<td>TOTAL REQUEST (ROUNDED)</td>
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<td></td>
<td></td>
<td>10,000</td>
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<tr>
<td>INSTALLED EQT-OTHER APPROP</td>
<td></td>
<td></td>
<td></td>
<td>(0)</td>
</tr>
</tbody>
</table>

10. Description of Proposed Construction
Construct POL tanks to include secondary containment, civil, electrical, and mechanical. Supporting work includes removal of existing fuel bladders and construction of infrastructure, and site preparation. DoD force protection standards will be met. Includes all work as necessary to provide a complete and useable POL storage facility.

11. REQ: 18,927,060 L
ADQT: NONE
SUBSTD: 18,927,060 L
PROJECT: Construct ten 500,000 gallon POL Tanks.

REQUIREMENT: CSC Adder is consolidating with Cedar II and becoming a Convoy Support Center. This base will support all supply convoys traveling to Iraq from Kuwait and points south. As such, it requires properly designed and constructed diesel fuel tanks to replace the current bladder farm. The bladder farm will not be a feasible solution for the increased operations tempo that CSC Adder faces with other bases consolidating here and the consolidation with Cedar II. Bladder farm maintenance will continue to interrupt critical fuel operations and will only get worse as the population increases.

CURRENT SITUATION: CSC Adder maintains fuel bladders in a farm to meet POL mission and storage requirements. These bladders occupy nearly 100 acres, present a large target to indirect fire, and have a limited life span in the
<table>
<thead>
<tr>
<th>CURRENT SITUATION:  (CONTINUED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A harsh desert environment. Fuel operations are often interrupted due to significant amounts of maintenance these bladders require.</td>
</tr>
<tr>
<td>IMPACT IF NOT PROVIDED: Fuel will continue to be stored in deteriorated temporary storage bladders, making fuel transfer more cumbersome and time consuming. Significant amounts of land will continue to be used, making the relocation of closed FOBs to this base more difficult. Bladder maintenance and replacement costs will continue to increase.</td>
</tr>
<tr>
<td>ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.</td>
</tr>
</tbody>
</table>

### 12. SUPPLEMENTAL DATA:

#### A. Estimated Design Data:

1. **Status:**
   - (a) Date Design Started: **MAR 2007**
   - (b) Percent Complete As Of January 2007: **.00**
   - (c) Date 35% Designed: **OCT 2007**
   - (d) Date Design Complete: **FEB 2008**
   - (e) Parametric Cost Estimating Used to Develop Costs: **NO**
   - (f) Type of Design Contract: **Design-build**

2. **Basis:**
   - (a) Standard or Definitive Design: **NO**

3. **Total Design Cost (c) = (a)+(b) OR (d)+(e):** **($000)**
   - (a) Production of Plans and Specifications: **400**
   - (b) All Other Design Costs: ____________________________
   - (c) Total Design Cost: **400**
   - (d) Contract: ____________________________
   - (e) In-house: **400**

4. **Construction Contract Award:** **NOV 2007**

5. **Construction Start:** **MAR 2008**

6. **Construction Completion:** **MAR 2009**
<table>
<thead>
<tr>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Construct a Wastewater Treatment Plant and Collection System capable of handling up to 1 Million Gallons Per Day. Project includes sewer mains & collection lines, manholes, liftstations, pumping station, emergency generators, sitework, paving, utilities, and anti-terrorism measures. Existing utilities and wastewater structures such as retention and oxidation ponds will be used to the maximum extent possible.

#### REQUIREMENT:
This project is needed to provide a safe and cost effective method of collecting and treating sewage wastewater. The method of collecting and removing wastewater from the sewer tanks is expensive, time consuming, and creates potential health and safety hazards. The project cost will amortize within one year based on current costs of pumping and trucking wastewater to disposal sites.

#### CURRENT SITUATION:
Most of the buildings have separate sewer tanks that must be pumped out and the product taken off base for disposal. This trucking process is extremely expensive and time consuming. The trucks must be inspected and searched prior to entering and leaving the base, which poses a
9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST</th>
<th>($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY FACILITY (CONTINUED)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PVC, Schedule 40</td>
<td>m (LF)</td>
<td>1,219 (</td>
<td>4,000)</td>
<td>81.69</td>
</tr>
<tr>
<td>Concrete Manholes</td>
<td>EA</td>
<td>10 --</td>
<td></td>
<td>5,600</td>
</tr>
<tr>
<td>Roads, Surfaced</td>
<td>LS</td>
<td>--</td>
<td></td>
<td>--</td>
</tr>
<tr>
<td>Standby Generator</td>
<td>EA</td>
<td>4 --</td>
<td></td>
<td>25,000</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>1,256</td>
</tr>
</tbody>
</table>

CURRENT SITUATION: (CONTINUED)

huge force protection risk. The constant transfer from trucks to tanks results in frequent leaks that leaves sewage spilled on the ground.

IMPACT IF NOT PROVIDED: LSA Adder will continue to inefficiently collect and dispose of wastewater by trucking the sewage off post. Sewage pump truck movement within the installation will continue to pose potential threat as well as disrupting operations.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started......................... MAR 2007
   (b) Percent Complete As Of January 2007............ .00
   (c) Date 35% Designed........................... OCT 2007
   (d) Date Design Complete........................ FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):
   (a) Production of Plans and Specifications........ 400
   (b) All Other Design Costs...........................
   (c) Total Design Cost............................... 400
   (d) Contract........................................ 400
   (e) In-house........................................ 400

(4) Construction Contract Award....................... NOV 2007
3. INSTALLATION AND LOCATION

Camp Adder, Iraq

4. PROJECT TITLE

Waste Water Treatment and Collection Sys

5. PROJECT NUMBER

68013

12. SUPPLEMENTAL DATA: (Continued)
   A. Estimated Design Data: (Continued)
      (5) Construction Start ...................................... MAR 2008
      (6) Construction Completion .............................. MAR 2009

   B. Equipment associated with this project which will be provided from
      other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NONE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
THIS PAGE INTENTIONALLY LEFT BLANK
Construct a Multi-Class Storage Warehouse to support logistical operations for the LSA Adder area of Iraq. The facility consists of four general purpose storage warehouses, one cold storage warehouse and two smaller storage sheds for hazard materials. The General Purpose storage facilities will include space for logistical personnel and management operations and racking system for both ground and elevated storage, this space will be climate controlled. Supporting facilities will include the related site work, construction of sunshades and concrete pads for material storage, concrete aprons around dock area, asphalt pavement for roadway networks and staging areas, service lines and a Unit Distribution System for electrical, water, sanitation sewer, communications, perimeter fence, and area lighting. Air conditioning is estimated to be 75 tons.
**REQUIREMENT:** (CONTINUED)

Region to enable rapid response to regional contingencies. This project is required to provide logistical support for increased inventory and improve the operational efficiency and readiness of the equipment and the installation.

**CURRENT SITUATION:** Currently, supplies and equipment are stored in leased facilities in Kuwait City and even in the open desert environment. In addition to the current physical security concerns, off-installation storage generates unnecessary logistic challenges of marrying UBLs with equipment for deploying units. Environmental losses and lease of facilities are much too expensive for the government to continue the burden of cost without an adequate warehouse. COMCFLCC’s ability to respond quickly and decisively to regional contingencies continues to be hampered due to the poor desert storage conditions and off-installation storage.

**IMPACT IF NOT PROVIDED:** Failure to build a new facility will not afford the theater the ability to efficiently manage materiel and protect stocks from the harsh desert environment. Lack of protection for the stocks will increase operating cost due to significantly reduced shelf life for the materiel staged and or stored at the existing facility.

**ADDITIONAL:** The Government of Kuwait provides significant monetary and material assistance and further pursuit of having them fund this action could result in negative impacts on our relations with their Government and reduction in the other assistance they are providing to our forces in their country. All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. **SUPPLEMENTAL DATA:**

A. Estimated Design Data:

1. Status:
   (a) Date Design Started.................................. MAR 2007
   (b) Percent Complete As Of January 2007.............. 00
   (c) Date 35% Designed.................................... OCT 2007
   (d) Date Design Complete.............................. FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

2. Basis:
   (a) Standard or Definitive Design: YES
   (b) Where Most Recently Used:

3. Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
   (a) Production of Plans and Specifications........... 500
   (b) All Other Design Costs..............................
3. INSTALLATION AND LOCATION

Camp Adder, Iraq

4. PROJECT TITLE

Multi Class Storage Warehouse

5. PROJECT NUMBER

68003

12. SUPPLEMENTAL DATA: (Continued)

   A. Estimated Design Data: (Continued)
      
      (c) Total Design Cost................................. 500
      (d) Contract........................................
      (e) In-house........................................ 500

      (4) Construction Contract Award...................... NOV 2007
      (5) Construction Start................................. MAR 2008
      (6) Construction Completion............................ SEP 2009

   B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## 10. Description of Proposed Construction

Construct an entry control point and access road. Primary facilities will include the following; the required kilometers of paving to connect to the nearest large road (Highway), construction of a guard tower for the entry control point (ECP), and installation of several force protection requirements for the gate. Force protection improvements include pop-up barriers on ingress and egress routes, electronic gates, support buildings, lights, and communications cabling to allow installation of under vehicle cameras, full vehicle x-ray system, monitors, and intercom system. Supporting facilities include site utilities and site improvements.

## 11. Req.

<table>
<thead>
<tr>
<th>Req.</th>
<th>1 EA</th>
<th>ADQT:</th>
<th>NONE</th>
<th>SUBSTD:</th>
<th>NONE</th>
</tr>
</thead>
</table>

**PROJECT:** Construct an Entry Control Point at LSA Adder, Iraq.

**REQUIREMENT:** Another ECP is needed to alleviate congestion at the only existing ECP and improve force protection by providing a second access point for quick entry/exit of the base in the event of an emergency. This new ECP will be located at another point of an industrial type area of LSA Adder and is defined in the current Base Camp Master Plan. This additional Entry Control Point will allow direct access to convoy support of supply and material storage.
1391C

Camp Adder, Iraq

Entry Control Point

9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gate, Sliding Electric</td>
<td>EA</td>
<td>2</td>
<td>225,000</td>
</tr>
<tr>
<td>Exterior Lighting</td>
<td>LS</td>
<td></td>
<td>25,000</td>
</tr>
<tr>
<td>Under-Vehicle Camera System</td>
<td>EA</td>
<td>1</td>
<td>35,000</td>
</tr>
<tr>
<td>Light Set, Traffic Control</td>
<td>EA</td>
<td>2</td>
<td>595</td>
</tr>
</tbody>
</table>

Total 595

CURRENT SITUATION: There is not a sufficient number of ECPs currently at LSA Adder, near its main logistics hub, where it receives many large convoys each day. The number of supply trucks arriving and departing each day is expected to reach close to 1,000 in the next few months. The current ECP often has traffic backed up for over two or more kilometers due to the large number of vehicles using the gate. The current truck route between the ECP and the new convoy support center/supply storage runs through undesired living the work areas.

IMPACT IF NOT PROVIDED: The population of LSA Adder is expected to increase by thousands over the next several months. This increase in population will exacerbate an already dangerous situation. The wait time to access the base can be 30 minutes or more due to the large number of vehicles using the ECP. This places the soldiers at risk of attack while they are waiting. The risk for a serious accident on the post will increase dramatically as the population doubles and the number of supply vehicles approaches 1,000 or more a day since the truck route runs through a heavily populated part of the camp.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started......................... MAR 2007
   (b) Percent Complete As Of January 2007.......... .00
   (c) Date 35% Designed................................ OCT 2007
   (d) Date Design Complete............................ FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: YES
   (b) Where Most Recently Used:
12. SUPPLEMENTAL DATA: (Continued)
   A. Estimated Design Data: (Continued)

   (3) Total Design Cost \( c = (a)+(b) \) OR \( (d)+(e) \): \( ($000) \)
       (a) Production of Plans and Specifications............. 150
       (b) All Other Design Costs................................
       (c) Total Design Cost.................................... 150
       (d) Contract............................................ 150
       (e) In-house............................................

   (4) Construction Contract Award.......................... NOV 2007
   (5) Construction Start................................... MAR 2008
   (6) Construction Completion.............................. MAR 2009

   B. Equipment associated with this project which will be provided from
      other appropriations:

      | Fiscal Year | Equipment Nomenclature | Procuring Appropriation | Appropriated Or Requested | Cost ($000) |
      |-------------|------------------------|-------------------------|---------------------------|--------------|
      |             |                        |                         |                           | NONE         |
### 10. Description of Proposed Construction

Construction a 30 MW power plant, transformer substation and associated distribution system at Al Asad in support of the camp personnel. Site work includes clearing, grubbing, and leveling the area for the power plant and plant operator’s building. Power plant will consist of individual enclosed generator platforms, a modular control room, modular switchgear, and required fuel system. A modular plant operator’s facility will be constructed to provide an area for 24-hour plant operators, to be used as office area, and bunkhouse.

### 11. REQ:

- **30,000 kWe ADQT:** NONE
- **SUBSTD:** 30,000 kWe

**PROJECT:** Design and construct a 30MW power plant expansion that is needed for Al Asad, Iraq. Provisions for future expansion must be included.

**REQUIREMENT:** A 30MW power plant expansion is needed for Al Asad, Iraq to provide reliable power to the Base Camp that does not degrade the environment. The design and construction of a 30MW power plant will drastically reduce the expenditures of cost for diesel fuel and cost of maintenance required, which ultimately reduce the government’s annual cost for the use of plant power.
CURRENT SITUATION: Al Asad currently does not have the required prime power other than the use of diesel prime power generators for which cost the government over $20M per year. The diesel generators are expensive, require extensive maintenance and contribute to the poor air quality on Al Asad.

IMPACT IF NOT PROVIDED: Al Asad will continue to expend large amounts of resources (currently over $20M) to lease the prime power generation plants. The diesel generators will continue to require additional maintenance and will continue to contribute to the poor air quality on Al Asad.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
   (1) Status:
       (a) Date Design Started......................... FEB 2007
       (b) Percent Complete As Of January 2007.............. 0.00
       (c) Date 35% Designed........................... OCT 2007
       (d) Date Design Complete........................... FEB 2008
       (e) Parametric Cost Estimating Used to Develop Costs NO
       (f) Type of Design Contract: Design-build

   (2) Basis:
       (a) Standard or Definitive Design: NO

   (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
       (a) Production of Plans and Specifications........... 1,400
       (b) All Other Design Costs........................... 1,400
       (c) Total Design Cost............................... 1,400
       (d) Contract...................................... 1,400
Al Asad Air Base, Iraq

Power Plant

12. SUPPLEMENTAL DATA: (Continued)
   A. Estimated Design Data: (Continued)
      (e) In-house........................................

      (4) Construction Contract Award........................  NOV 2007

      (5) Construction Start...................................  MAR 2008

      (6) Construction Completion..............................  MAR 2009

   B. Equipment associated with this project which will be provided from
      other appropriations:

      | Equipment Nomenclature | Procuring Appropriation | Appropriated Or Requested | Cost ($000) |
      |------------------------|-------------------------|----------------------------|-------------|
      | NONE                   |                         |                            |             |
Al Asad Air Base
Iraq
Landfill Construction

<table>
<thead>
<tr>
<th>PRIMARY FACILITY</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>UNIT COST</th>
<th>COST ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation Layer (3 acres)</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(299)</td>
</tr>
<tr>
<td>Gas Collection Layer</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(539)</td>
</tr>
<tr>
<td>Geomembrane Barrier</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(523)</td>
</tr>
<tr>
<td>Compacted Barrier</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(410)</td>
</tr>
<tr>
<td>Drainage Layer</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(564)</td>
</tr>
</tbody>
</table>

Total from Continuation page (120)

SUPPORTING FACILITIES

| Electric Service | LS | -- | -- | (79) |
| Site Imp (130) Demo( ) | LS | -- | -- | (130) |

ESTIMATED CONTRACT COST 2,664
CONTINGENCY PERCENT (5.00%) 133

SUBTOTAL 2,797
SUPV, INSP & OVERHEAD (7.70%) 215
DESIGN/BUILD - DESIGN COST 112

TOTAL REQUEST 3,124
TOTAL REQUEST (ROUNDED) 3,100
INSTALLED EQT-OTHER APPROP (0)

Construct a three acre landfill for a safe disposal of incinerator ash and other solid waste generated at Al Asad. The planned project consists of a foundation layer, gas collection venting system, and leachate collection and drainage system, and a ground water barrier but specific variations would be based on local geological and ground water conditions during the design process. Project includes site preparation, construction, perimeter fence, haul road, modular building, and all other necessary work to provide a complete and usable landfill and remediate existing nonstandard landfill.

PROJECT: Construct a 2.5 acre landfill to handle 30-ton per day solid waste generated at Al Asad.
REQUIREMENT: This landfill is to dispose of approximately 30 tons per day of solid waste generated by Al Asad. This landfill will augment incinerators already in use on the complex by safely disposing of solid waste not incinerated and disposal of the incinerator ash. This landfill will also be used for the remediation of already accumulated waste from open dumps and nonstandard hastily constructed landfill currently being used if funds are available.

11. REQ: 1 ha ADQT: NONE SUBSTD: NONE
Landfill Construction

9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST</th>
<th>($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perimeter Fence (1,450’)</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(45)</td>
</tr>
<tr>
<td>Haul Road</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(50)</td>
</tr>
<tr>
<td>Modular Building</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(25)</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>120</td>
</tr>
</tbody>
</table>

REQUIREMENT: (CONTINUED)
identified during the design process due to geologic conditions not requiring a synthetic liner or gas collection system.

CURRENT SITUATION: Open dumps and landfills without designed liner materials or leachate collection system to protect groundwater are being used. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit. Three 30-ton incinerators will be constructed in FY07. The daily ash from incinerators will require legitimate means of disposal.

IMPACT IF NOT PROVIDED: Solid waste will be continued to be placed in a non-standard landfill and perpetuate the possibility of contaminating the ground water. Solid waste to include scrap metals in open dumps and nonstandard landfills will remain mingled and not be properly disposed. Al Asad will continue to burn large amounts of trash each day which will expose the personnel on camp to the hazardous smoke.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
   (1) Status:
       (a) Date Design Started................................. MAR 2007
       (b) Percent Complete As Of January 2007............... .00
       (c) Date 35% Designed................................. OCT 2007
       (d) Date Design Complete............................. FEB 2008
       (e) Parametric Cost Estimating Used to Develop Costs NO
       (f) Type of Design Contract: Design-build

   (2) Basis:
       (a) Standard or Definitive Design: NO

   (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
       (a) Production of Plans and Specifications............ 125
12. SUPPLEMENTAL DATA: (Continued)
   A. Estimated Design Data: (Continued)
      (b) All Other Design Costs..........................   _________
      (c) Total Design Cost...............................   _________
      (d) Contract........................................   _________
      (e) In-house........................................   _________

        (4) Construction Contract Award....................   _________
        (5) Construction Start..............................   _________
        (6) Construction Completion........................   _________

   B. Equipment associated with this project which will be provided from other appropriations:

      Fiscal Year
      Equipment Nomenclature Procuring Appropriation Appropriated Or Requested Cost ($000)

      NONE
Army

Al Asad Air Base
Iraq

Urban By Pass Road

**FY** 2008

**MILITARY CONSTRUCTION PROJECT DATA**

**Army**

**Al Asad Air Base**

**Iraq**

**Urban By Pass Road**

**PREVIOUS EDITIONS MAY BE USED INTERNALLY**

**UNTIL EXHAUSTED**

**PAGE NO. 61**

**DD FORM 1 DEC 76**

**03 FEB 2007**

**5. PROGRAM ELEMENT**

**6. CATEGORY CODE**

**7. PROJECT NUMBER**

**8. PROJECT COST ($000)**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>UNIT COST</th>
<th>COST ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base &amp; Shoulders</td>
<td>m3 (CY)</td>
<td>1438097 ( 1880960)</td>
<td>19.11</td>
<td>(27,481)</td>
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<tr>
<td>Culverts &amp; Headwalls</td>
<td>EA</td>
<td>60 --</td>
<td>9,200</td>
<td>(552)</td>
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<tr>
<td>Asphalt Paving</td>
<td>m2 (SF)</td>
<td>897,409 ( 9659631)</td>
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<td>(3,864)</td>
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<tr>
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<td>m (LF)</td>
<td>2894760 ( 9497244)</td>
<td>.75</td>
<td>(2,184)</td>
</tr>
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</table>

**SUPPORTING FACILITIES**

| Site Imp (2,975) Demo ( ) | LS | -- | -- | (2,975) |

**ESTIMATED CONTRACT COST**

| CONTINGENCY PERCENT (5.00%) | 1.856 |
| SUBTOTAL | 38,909 |
| SUPV, INS & OVERHEAD (7.70%) | 2,996 |
| DESIGN/BUILD - DESIGN COST | 1,556 |
| TOTAL REQUEST | 43,461 |

**TOTAL REQUEST (ROUNDED) | 43,000**

**INSTALLED EQT-OTHER APPROP | (0)**

**10. Description of Proposed Construction**

Construct and upgrade a 90km (56 mile) Urban Bypass Road (Counter IED) to avoid densely populated and high threat urban areas for Al Asad, Iraq. Concrete or asphalt construction, either as new construction or overlay/improvement to existing roads where appropriate. Paving and right of way improvements to support simultaneous two-way heavy military traffic. Where required, site improvements including clearing, grading, and base course. Tall mast lighting where required. Culverts and support structures. Project includes force protection measures including specific engineered counter-IED features, and all work as required to provide a complete and useable road.

**11. REQ:**

90 km ADQT: NONE

SUBSTD: NONE

PROJECT: Construct 90km Urban Bypass/Counter IED Route, in the vicinity of Al Asad, Iraq.

REQUIREMENT: Current military supply traffic through the Al Asad area uses existing roads. These roads pass directly through downtown, where IED and small arms attacks are common and difficult to detect and defeat. By providing an alternate route around this city, it will reduce that threat and reduce the contentious US presence within the city. The new road will incorporate...
REQUIREMENT: (CONTINUED)
features that will make it more difficult for anti-Iraqi forces to emplace and employ improvised explosive devices, as well as minimize the hazard from detonated IED’s.

CURRENT SITUATION: Significant numbers of military convoys are subject to increased exposure to IED attacks when they transit through densely populated areas of Al Asad, Iraq. When they transit through these areas, convoys have to slow down and get intermingled with civilian traffic, which makes them an easier target of small arms fire and explosive devices. As a result of these attacks, noncombatants are exposed to unacceptable risks to life and limb.

IMPACT IF NOT PROVIDED: Failure to provide these bypasses will result in continued exposure of US and Coalition forces as well as Iraqi non-combatants to unacceptable IED and Insurgent threats. As a result, we will continue to lose critical manpower and Equipment to these threats.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the project development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started.......................... MAR 2007
   (b) Percent Complete As Of January 2007............. .00
   (c) Date 35% Designed............................. OCT 2007
   (d) Date Design Complete........................... FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: NO

(3) Total Design Cost \(c = (a)+(b) \text{ OR } (d)+(e): \) ($000)
   (a) Production of Plans and Specifications.............. 1,700
   (b) All Other Design Costs................................
   (c) Total Design Cost.................................... 1,700
   (d) Contract.............................................
   (e) In-house............................................. 1,700

(4) Construction Contract Award.......................... NOV 2007

(5) Construction Start.................................... MAR 2008

(6) Construction Completion............................. MAR 2009
1. COMPONENT: ARMY

2. DATE: 03 FEB 2007

3. INSTALLATION AND LOCATION:

<table>
<thead>
<tr>
<th>Installation</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al Asad Air Base, Iraq</td>
<td>Urban By Pass Road</td>
</tr>
</tbody>
</table>

4. PROJECT TITLE: Urban By Pass Road

5. PROJECT NUMBER: 68006

12. SUPPLEMENTAL DATA: (Continued)

   A. Estimated Design Data: (Continued)

   B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Description of Proposed Construction

Construct a five acre landfill for a safe disposal of incinerator ash and other solid waste generated at LSAA. The planned project consists of a foundation layer, gas collection venting system, and leachate collection and drainage system, and a ground water barrier but specific variations would be based on local geological and ground water conditions during the design process. Project includes site preparation, construction, perimeter fence, haul road, modular building, and all other necessary work to provide a complete and usable landfill and remediate existing nonstandard landfill.

### Construct a five acre landfill to handle 60-ton per day solid waste generated at LSAA.

**Requirement:** This landfill is to dispose of approximately 60 tons per day of solid waste generated by LSAA. This landfill will augment incinerators already in use on the complex by safely disposing of solid waste not incinerated and disposal of the incinerator ash. This landfill will also be used for the remediation of already accumulated waste from open dumps and nonstandard hastily constructed landfill currently being used if funds are identified.
Landfill Construction

9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perimeter Fence (2,500')</td>
<td>LS</td>
<td>--</td>
<td>(75)</td>
</tr>
<tr>
<td>Haul Roads (24’x1000’)</td>
<td>LS</td>
<td>--</td>
<td>(100)</td>
</tr>
<tr>
<td>Modular Building</td>
<td>LS</td>
<td>--</td>
<td>(25)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>200</strong></td>
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</tbody>
</table>

REQUIREMENT: (CONTINUED)
during the design process due to geologic conditions not requiring a synthetic liner or gas collection system.

CURRENT SITUATION: Open dumps and landfills without designed liner materials or leachate collection system to protect groundwater are being used. All excess solid waste is currently placed in hastily constructed nonstandard landfills or being burned in a large open pit. Three 64-ton incinerators will be constructed in FY07. The daily ash from incinerators will require environmentally safe means of disposal.

IMPACT IF NOT PROVIDED: Solid waste will be continued to be placed in a non-standard landfill and perpetuate the possibility of contaminating the ground water. Solid waste to include scrap metals in open dumps and nonstandard landfills will remain mingled and not be properly disposed. LSAA will continue to burn large amounts of trash each day which will expose the personnel on camp to the hazardous smoke.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

   (1) Status:
   (a) Date Design Started...................... MAR 2007
   (b) Percent Complete As Of January 2007........... 0.00
   (c) Date 35% Designed........................ OCT 2007
   (d) Date Design Complete..................... FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

   (2) Basis:
   (a) Standard or Definitive Design: NO

   (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
   (a) Production of Plans and Specifications........ 250
12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)
   (b) All Other Design Costs............................
   (c) Total Design Cost................................
   (d) Contract........................................
   (e) In-house........................................

   (4) Construction Contract Award..................... NOV 2007
   (5) Construction Start................................. MAR 2008
   (6) Construction Completion.......................... MAR 2009

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Equipment</th>
<th>Procuring Appropriate Or Requested</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nomenclature</td>
<td>Appropriation</td>
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<tr>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITEM</td>
<td>UM (M/E)</td>
<td>QUANTITY</td>
<td>UNIT COST</td>
</tr>
<tr>
<td>------</td>
<td>----------</td>
<td>----------</td>
<td>-----------</td>
</tr>
<tr>
<td>Electric Power, Oil-Fired</td>
<td>kWe(KW)</td>
<td>30,000 ( 30,000)</td>
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<tr>
<td>Power Plant Building</td>
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<tr>
<td>Electrical Switching Station</td>
<td>kVA(KVA)</td>
<td>900 ( 900)</td>
<td>19.00</td>
</tr>
<tr>
<td>Underground Electric Lines</td>
<td>m (LF)</td>
<td>4,267 ( 14,000)</td>
<td>104.99</td>
</tr>
<tr>
<td>Utilidors</td>
<td>m (LF)</td>
<td>4,267 ( 14,000)</td>
<td>229.66</td>
</tr>
<tr>
<td>Total from Continuation page</td>
<td></td>
<td></td>
<td>(11,964)</td>
</tr>
<tr>
<td>SUPPORTING FACILITIES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electric Service</td>
<td>LS</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Water, Sewer, Gas</td>
<td>LS</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Paving, Walks, Curbs &amp; Gutters</td>
<td>LS</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Site Imp( 800) Demo( )</td>
<td>LS</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Antiterrorism Measures</td>
<td>LS</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

| ESTIMATED CONTRACT COST | | 33,487 |
| SUBTOTAL | | 35,161 |
| SUPV, INSP & OVERHEAD (7.70%) | | 2,707 |
| DESIGN/BUILD - DESIGN COST | | 1,406 |
| TOTAL REQUEST | | 39,274 |
| TOTAL REQUEST (ROUNDED) | | 39,000 |
| INSTALLED EQT-OTHER APPROP | | (0) |

Construction a 30 MW power plant, transformer substation and associated distribution system at Anaconda in support of the camp personnel. Site work includes clearing, grubbing, and leveling the area for the power plant and plant operator’s building. Power plant will consist of individual enclosed generator platforms, a modular control room, modular switchgear, and required fuel system. A modular plant operator’s facility will be constructed to provide an area for 24-hour plant operators, to be used as office area, and bunkhouse.

PROJECT: Design and construct a 30MW power plant that is needed for Anaconda, Iraq. Provisions for future expansion must be included.

REQUIREMENT: A 30MW power plant expansion is needed for Anaconda, Iraq to provide reliable power to the Base Camp that does not degrade the environment of the LSA. The design and construction of a 30MW power plant will drastically reduce the expenditures of cost for diesel fuel and cost of maintenance required, which ultimately reduce the government’s annual cost for the use of plant power.
12. SUPPLEMENTAL DATA:
   A. Estimated Design Data:
      (1) Status:
         (a) Date Design Started......................... MAR 2007
         (b) Percent Complete As Of January 2007........ 0.00
         (c) Date 35% Designed........................... OCT 2007
         (d) Date Design Complete......................... FEB 2008
         (e) Parametric Cost Estimating Used to Develop Costs NO
         (f) Type of Design Contract: Design-build

      (2) Basis:
         (a) Standard or Definitive Design: NO

      (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
         (a) Production of Plans and Specifications........ 1,400
         (b) All Other Design Costs...........................
         (c) Total Design Cost.............................. 1,400
         (d) Contract........................................
         (e) In-house........................................ 1,400
12. SUPPLEMENTAL DATA: (Continued)
   A. Estimated Design Data: (Continued)
      
      (4) Construction Contract Award..........................  NOV 2007
      
      (5) Construction Start...................................  MAR 2008
      
      (6) Construction Completion..............................  MAR 2010
      
   B. Equipment associated with this project which will be provided from other appropriations:

      Equipment Nomenclature     Procuring Appropriation     Fiscal Year Appropriated Or Requested Cost ($000)
      NONE

Construct and upgrade a 90km (56 mile) Urban Bypass Road (Counter IED) to avoid densely populated and high threat urban areas for Balad, Iraq. Concrete or asphalt construction, either as new construction or overlay/improvement to existing roads where appropriate. Paving and right of way improvements to support simultaneous two-way heavy military traffic. Where required, site improvements including clearing, grading, and base course. Tall mast lighting where required. Culverts and support structures. Project includes force protection measures including specific engineered counter-IED features, and all work as required to provide a complete and useable road.

PROJECT: Construct a 90km Urban Bypass/Counter IED Route, in the vicinity of Balad, Iraq.

REQUIREMENT: Current military supply traffic through the Balad area uses existing roads. These roads pass directly through downtown, where IED and small arms attacks are common and difficult to detect and defeat. By providing an alternate route around this city, it will reduce that threat and reduce the contentious US presence within the city. The new road will incorporate...
REQUIREMENT: (CONTINUED)

features that will make it more difficult for anti-Iraqi forces to emplace and employ improvised explosive devices, as well as minimize the hazard from detonated IED’s.

CURRENT SITUATION: Significant numbers of military convoys are subject to increased exposure to IED attacks when they transit through densely populated areas of Balad, Iraq. When they transit through these areas, convoys have to slow down and get intermingled with civilian traffic, which makes them an easier target of small arms fire and explosive devices. As a result of these attacks, noncombatants are exposed to unacceptable risks to life and limb.

IMPACT IF NOT PROVIDED: Failure to provide these roads will result in continued exposure of US and Coalition forces as well as Iraqi non-combatants to unacceptable IED and insurgent threats. As a result, we will continue to lose critical manpower and assets to these threats.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the project development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started............................. MAR 2007
   (b) Percent Complete As Of January 2007............. 0.00
   (c) Date 35% Designed............................... OCT 2007
   (d) Date Design Complete............................ FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
   (a) Production of Plans and Specifications........... 1,500
   (b) All Other Design Costs..........................
   (c) Total Design Cost............................... 1,500
   (d) Contract.........................................
   (e) In-house......................................... 1,500

(4) Construction Contract Award........................ NOV 2007

(5) Construction Start.................................. MAR 2008

(6) Construction Completion............................. MAR 2009
12. SUPPLEMENTAL DATA: (Continued)
   A. Estimated Design Data: (Continued)

   B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Fiscal Year</th>
<th>Cost ($000)</th>
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<tbody>
<tr>
<td>NONE</td>
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</tr>
</tbody>
</table>

LSA Anaconda, Iraq

Urban By Pass Road  68007
Construct a one acre landfill for a safe disposal of incinerator ash and other solid waste generated at Fallujah. The planned project consists of a foundation layer, gas collection venting system, and leachate collection and drainage system, and a ground water barrier but specific variations would be based on local geological and ground water conditions during the design process. Project includes site preparation, construction, perimeter fence, haul road, modular building, and all other necessary work to provide a complete and usable landfill and remediate existing nonstandard landfill.

### Project Title
Landfill Construction

### Cost Estimates

<table>
<thead>
<tr>
<th>Item Description</th>
<th>UM (M/E)</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation Layer (1 acre)</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(82)</td>
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<tr>
<td>Gas Collection Layer</td>
<td>LS</td>
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<td>--</td>
<td>(148)</td>
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<tr>
<td>Geomembrane Barrier Layer</td>
<td>LS</td>
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<td>--</td>
<td>(143)</td>
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<td>Compacted Layer</td>
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<td>--</td>
<td>(112)</td>
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<tr>
<td>Drainage Layer</td>
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<td>(155)</td>
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<tr>
<td>Total from Continuation page</td>
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<td>(49)</td>
</tr>
<tr>
<td>Electric Service</td>
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<td>(22)</td>
</tr>
<tr>
<td>Site Imp(41) Demo( )</td>
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<td>--</td>
<td>(41)</td>
</tr>
</tbody>
</table>

**Estimated Contract Cost**: 752

**Contingency Percent (5.00%)**: 38

**Subtotal**: 790

**Supv, Inspect & Overhead (7.70%)**: 61

**Design/Build - Design Cost**: 32

**Total Request**: 883

**Total Request (Rounded)**: 880

**Installed Eqt-Other Approp**: 0

### Requirement
This landfill is to dispose of approximately 8 tons per day of solid waste generated by Fallujah. This landfill will augment incinerators already in use on the complex by safely disposing of solid waste not incinerated and disposal of the incinerator ash. This landfill will also be used for the remediation of already accumulated waste from open dumps and nonstandard hastily constructed landfill currently being used if funds are available.
Landfill Construction

9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST</th>
<th>($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY FACILITY (CONTINUED)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haul Road</td>
<td>LS</td>
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<td>--</td>
<td>(14)</td>
</tr>
<tr>
<td>Perimeter Fence</td>
<td>LS</td>
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<td>--</td>
<td>(10)</td>
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<tr>
<td>Modular Building</td>
<td>LS</td>
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<td>--</td>
<td>(25)</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>49</td>
<td></td>
</tr>
</tbody>
</table>

REQUIREMENT: (CONTINUED)
identified during the design process due to geologic conditions not requiring a synthetic liner or gas collection system.

CURRENT SITUATION: Open dumps and landfills without designed liner materials or leachate collection system to protect groundwater are being used. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit. A 15-ton incinerator will be constructed in FY07. The daily ash from incinerator will require an environmentally safe means of disposal.

IMPACT IF NOT PROVIDED: Solid waste will be continued to be placed in a non-standard landfill and perpetuate the possibility of contaminating the ground water. Solid waste to include scrap metals in open dumps and nonstandard landfills will remain mingled and not be properly disposed. Fallujah will continue to burn large amounts of trash each day which will expose the personnel on camp to the hazardous smoke.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Date Design Started............................. MAR 2007
(b) Percent Complete As Of January 2007............ 0.00
(c) Date 35% Designed............................... OCT 2007
(d) Date Design Complete............................ FEB 2008
(e) Parametric Cost Estimating Used to Develop Costs NO
(f) Type of Design Contract: Design-build

(2) Basis:
(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
(a) Production of Plans and Specifications............. 40
3. INSTALLATION AND LOCATION

Iraq Various, Iraq

4. PROJECT TITLE

Landfill Construction

5. PROJECT NUMBER

68017

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(b) All Other Design Costs ............................

(c) Total Design Cost .................................. 40

(d) Contract .............................................

(e) In-house ............................................. 40

(4) Construction Contract Award ....................... NOV 2997

(5) Construction Start ................................. MAR 2008

(6) Construction Completion .......................... MAR 2009

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Construct a one acre landfill for a safe disposal of incinerator ash and other solid waste generated at Marez. The planned project consists of a foundation layer, gas collection venting system, and leachate collection and drainage system, and a ground water barrier but specific variations would be based on local geological and ground water conditions during the design process. Project includes site preparation, construction, perimeter fence, haul road, modular building, and all other necessary work to provide a complete and usable landfill and remediate existing nonstandard landfill.

### Description of Proposed Construction

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation Layer (1 acre)</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(82)</td>
</tr>
<tr>
<td>Gas Collection Layer</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(148)</td>
</tr>
<tr>
<td>Geomembrane Barrier Layer</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(143)</td>
</tr>
<tr>
<td>Compacted Layer</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(112)</td>
</tr>
<tr>
<td>Drainage Layer</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(155)</td>
</tr>
<tr>
<td>Total from Continuation page</td>
<td></td>
<td></td>
<td></td>
<td>(49)</td>
</tr>
<tr>
<td>Electric Service</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(22)</td>
</tr>
<tr>
<td>Site Imp( 41) Demo( )</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(41)</td>
</tr>
</tbody>
</table>

| ESTIMATED CONTRACT COST                  |          |          | 752       |
| CONTINGENCY PERCENT (5.00%)             |          |          | 38        |
| SUBTOTAL                                 |          |          | 790       |
| SUPV, INSPI & OVERHEAD (7.70%)          |          |          | 61        |
| DESIGN/BUILD - DESIGN COST              |          |          | 32        |
| TOTAL REQUEST                            |          |          | 883       |
| TOTAL REQUEST (ROUNDED)                 |          |          | 880       |
| INSTALLED Eqt - OTHER APPROP             |          |          | 0         |

**PROJECT:** Construct a one acre landfill to handle 8-ton per day solid waste generated at Marez.

**REQUIREMENT:** This landfill is to dispose of approximately 8 tons per day of solid waste generated by Marez. This landfill will augment incinerators already in use on the complex by safely disposing of solid waste not incinerated and disposal of the incinerator ash. This landfill will also be used for the remediation of already accumulated waste from open dumps and nonstandard hastily constructed landfill currently being used if funds are available.
Camp Merez, Iraq (Camp Marez)

Landfill Construction

9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY FACILITY (CONTINUED)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haul Roads</td>
<td>LS</td>
<td>--</td>
<td>(14)</td>
</tr>
<tr>
<td>Perimeter Fence</td>
<td>LS</td>
<td>--</td>
<td>(10)</td>
</tr>
<tr>
<td>Modular Building</td>
<td>LS</td>
<td>--</td>
<td>(25)</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>49</td>
</tr>
</tbody>
</table>

REQUIREMENT: (CONTINUED) identified during the design process due to geologic conditions not requiring a synthetic liner or gas collection system.

CURRENT SITUATION: Open dumps and landfills without designed liner materials or leachate collection system to protect groundwater are being used. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit. A 15-ton incinerator will be constructed in FY07. The daily ash from incinerator will require an environmentally safe means of disposal.

IMPACT IF NOT PROVIDED: Solid waste will be continued to be placed in a non-standard landfill and perpetuate the possibility of contaminating the ground water. Solid waste to include scrap metals in open dumps and nonstandard landfills will remain mingled and not be properly disposed. Marez will continue to burn large amounts of trash each day which will expose the personnel on camp to the hazardous smoke.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started................................. MAR 2007
   (b) Percent Complete As Of January 2007.............. .00
   (c) Date 35% Designed.................................. OCT 2007
   (d) Date Design Complete............................... FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
   (a) Production of Plans and Specifications........... 40
1. COMPONENT

FA 2008 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

03 FEB 2007

3. INSTALLATION AND LOCATION

Camp Merez, Iraq (Camp Marez)

4. PROJECT TITLE

Landfill Construction

5. PROJECT NUMBER

68019

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

| (b) All Other Design Costs | _______ |
| (c) Total Design Cost | 40 |
| (d) Contract | _______ |
| (e) In-house | 40 |

(4) Construction Contract Award

<table>
<thead>
<tr>
<th>Fiscal Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOV 2007</td>
</tr>
</tbody>
</table>

(5) Construction Start

<table>
<thead>
<tr>
<th>Fiscal Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 2008</td>
</tr>
</tbody>
</table>

(6) Construction Completion

<table>
<thead>
<tr>
<th>Fiscal Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 2009</td>
</tr>
</tbody>
</table>

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Construct and upgrade a 90km (56 mile) Urban Bypass Road (Counter IED) to avoid densely populated and high threat urban areas for Mosul, Iraq. Concrete or asphalt construction, either as new construction or overlay/improvement to existing roads where appropriate. Paving and right of way improvements to support simultaneous two-way heavy military traffic. Where required, site improvements including clearing, grading, and base course. Tall mast lighting where required. Culverts and support structures. Project includes force protection measures including specific engineered counter-IED features, and all work as required to provide a complete and useable road.

<table>
<thead>
<tr>
<th>Description of Proposed Construction</th>
<th>90 km ADQT: NONE</th>
<th>SUBSTD: NONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROJECT: Construct 90km Urban Bypass/Counter IED Route, in the vicinity of Mosul, Iraq.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Requirement:** Current military supply traffic through the Mosul area uses existing roads. These roads pass directly through downtown, where IED and small arms attacks are common and difficult to detect and defeat. By providing an alternate route around this city, it will reduce that threat and reduce the contentious US presence within the city. The new road will incorporate:

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base &amp; Shoulders</td>
<td>1438097</td>
<td>19.11</td>
<td>(27,481)</td>
</tr>
<tr>
<td>Culverts &amp; Headwalls</td>
<td>60</td>
<td>9,200</td>
<td>(552)</td>
</tr>
<tr>
<td>Asphalt Paving</td>
<td>897,409</td>
<td>4.31</td>
<td>(3,864)</td>
</tr>
<tr>
<td>Roads, Surfaced</td>
<td>2894760</td>
<td>.75</td>
<td>(2,184)</td>
</tr>
</tbody>
</table>

**Supporting Facilities:**
- Site Imp (2,975) Demo: 2,975

**Estimated Contract Cost:**
37,056

**Contingency Percent (5.00%):** 1,853

**Subtotal:**
38,909

**Supv, Insp & Overhead (7.70%):** 2,996

**Design/Build - Design Cost:** 1,556

**Total Request:**
43,461

**Total Request ( Rounded):**
43,000

**Installed Eqt - Other Approp:** (0)
REQUIREMENT: (CONTINUED)
features that will make it more difficult for anti-Iraqi forces to emplace and employ improvised explosive devices, as well as minimize the hazard from detonated IED’s.
CURRENT SITUATION: Significant numbers of military convoys are subject to increased exposure to IED attacks when they transit through densely populated areas of Mosul, Iraq. When they transit through these areas, convoys have to slow down and get intermingled with civilian traffic, which makes them an easier target of small arms fire and explosive devices. As a result of these attacks, noncombatants are exposed to unacceptable risks to life and limb.
IMPACT IF NOT PROVIDED: Failure to provide these roads will result in continued exposure of US and Coalition forces as well as Iraqi non-combatants to unacceptable IED and insurgent threats. As a result, we will continue to lose critical manpower and assets to these threats.
ADDITIONAL: All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started........................................... MAR 2007
   (b) Percent Complete As Of January 2007.................... .00
   (c) Date 35% Designed.......................................... OCT 2007
   (d) Date Design Complete..................................... FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs    NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: NO

(3) Total Design Cost \( c = (a) + (b) \) OR \((d) + (e)\): \($000\)
   (a) Production of Plans and Specifications.............. 1,500
   (b) All Other Design Costs....................................
   (c) Total Design Cost........................................... 1,500
   (d) Contract......................................................
   (e) In-house..................................................... 1,500

(4) Construction Contract Award................................ NOV 2007

(5) Construction Start............................................ MAR 2008

(6) Construction Completion.................................... MAR 2009
1. COMPONENT
   ARMY

2. DATE
   03 FEB 2007

3. INSTALLATION AND LOCATION
   Iraq Various, Iraq

4. PROJECT TITLE
   Urban By Pass Road

5. PROJECT NUMBER
   68009

12. SUPPLEMENTAL DATA: (Continued)

   A. Estimated Design Data: (Continued)

   B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Equipment Nomenclature</th>
<th>Fiscal Year Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Description of Proposed Construction

Construction a 10 MW power plant, transformer substation and associated distribution system at Q-West in support of the camp personnel. Site work includes clearing, grubbing, and leveling the area for the power plant and plant operator’s building. Power plant will consist of individual enclosed generator platforms, a modular control room, modular switchgear, and required fuel system. A modular plant operator’s facility will be constructed to provide an area for 24-hour plant operators, to be used as office area, and bunkhouse.

### Construction Request

- **Project:** Construct a 10-MW power plant and associated distribution system for Q-West, Iraq. Provisions for future expansion must be included.
- **Requirement:** A 10MW power plant expansion is needed for Q-West, Iraq to provide reliable power to the Base Camp that does not degrade the environment of Q-West. The design and construction of a 10MW power plant will drastically reduce the expenditures of cost for diesel fuel and cost of maintenance required, which ultimately reduce the government’s annual cost for the use of plant power.

### Cost Estimates

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Primary Facility</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electric Power, Oil-Fired</td>
<td>kW (kW)</td>
<td>10,000 (10,000)</td>
<td>547.00</td>
<td>(5,470)</td>
</tr>
<tr>
<td>Power Plant Building</td>
<td>m² (SF)</td>
<td>464.52 (5,000)</td>
<td>1,798</td>
<td>(835)</td>
</tr>
<tr>
<td>Substation</td>
<td>kVA (KVA)</td>
<td>10,000 (10,000)</td>
<td>121.23</td>
<td>(1,212)</td>
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<tr>
<td>Electrical Switching Station</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(543)</td>
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<tr>
<td>UG Electric Primary feeder cir.</td>
<td>LS</td>
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<td>--</td>
<td>(3,530)</td>
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<tr>
<td><strong>Total from Continuation page</strong></td>
<td></td>
<td></td>
<td></td>
<td>(8,971)</td>
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<tr>
<td><strong>Supporting Facilities</strong></td>
<td></td>
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<td></td>
<td>1,264</td>
</tr>
<tr>
<td>Electric Service</td>
<td>LS</td>
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<td>--</td>
<td>(64)</td>
</tr>
<tr>
<td>Paving, Walks, Curbs &amp; Gutters</td>
<td>LS</td>
<td>--</td>
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<td>(500)</td>
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<tr>
<td>Site Imp (300) Demo ( )</td>
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<td>(300)</td>
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<tr>
<td>Antiterrorism Measures</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(400)</td>
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<tr>
<td><strong>Estimated Contract Cost</strong></td>
<td></td>
<td></td>
<td></td>
<td>21,825</td>
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<tr>
<td>Contingency Percent (5.00%)</td>
<td></td>
<td></td>
<td></td>
<td>1,091</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
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<td>22,916</td>
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<tr>
<td>Design/Build - Design Cost</td>
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<td>1,756</td>
</tr>
<tr>
<td><strong>Total Request</strong></td>
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<td></td>
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<td>25,598</td>
</tr>
<tr>
<td><strong>Total Request (rounded)</strong></td>
<td></td>
<td></td>
<td></td>
<td>26,000</td>
</tr>
<tr>
<td><strong>Installed EQT-Other Approp</strong></td>
<td></td>
<td></td>
<td></td>
<td>(0)</td>
</tr>
</tbody>
</table>
CURRENT SITUATION: Q-West currently does not have the required prime power other than the use of diesel prime power generators for which cost the government over $10M per year. The diesel generators are expensive, require extensive maintenance and contribute to the poor air quality on Q-West.

IMPACT IF NOT PROVIDED: Q-West will continue to expend large amounts of resources (currently over $10M) to lease the prime power generation plants. The diesel generators will continue to require additional maintenance and will continue to contribute to the poor air quality on Q-West.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started............................ MAR 2007
(b) Percent Complete As Of January 2007............. 0.00
(c) Date 35% Designed............................... OCT 2007
(d) Date Design Complete............................ FEB 2008
(e) Parametric Cost Estimating Used to Develop Costs NO
(f) Type of Design Contract: Design-build

(2) Basis:
(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
(a) Production of Plans and Specifications............ 900
(b) All Other Design Costs........................... 
(c) Total Design Cost................................. 900
(d) Contract.......................................... 900
(e) In-house.......................................... 

### 3. INSTALLATION AND LOCATION

Al Asad Air Base, Iraq

### 4. PROJECT TITLE

Power Plant

### 5. PROJECT NUMBER

67993

### 12. SUPPLEMENTAL DATA: (Continued)

**A. Estimated Design Data: (Continued)**

<table>
<thead>
<tr>
<th>Item</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>(4) Construction Contract Award</td>
<td>NOV 2007</td>
</tr>
<tr>
<td>(5) Construction Start</td>
<td>MAR 2008</td>
</tr>
<tr>
<td>(6) Construction Completion</td>
<td>MAR 2009</td>
</tr>
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**B. Equipment associated with this project which will be provided from other appropriations:**

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<th>Fiscal Year</th>
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<th>Procuring Appropriation</th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Description of Proposed Construction

Construct a one acre landfill for a safe disposal of incinerator ash and other solid waste generated at Ramadi. The planned project consists of a foundation layer, gas collection venting system, and leachate collection and drainage system, and a ground water barrier but specific variations would be based on local geological and ground water conditions during the design process. Project includes site preparation, construction, perimeter fence, haul road, modular building, and all other necessary work to provide a complete and usable landfill and remediate existing nonstandard landfill.

### Installation and Location
- **Location:** Various, Iraq
- **Project Title:** Landfill Construction

### Cost Estimates

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
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<td>Gas Collection Layer</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(148)</td>
</tr>
<tr>
<td>Geomembrane Barrier Layer</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(143)</td>
</tr>
<tr>
<td>Compacted Layer</td>
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<td>(112)</td>
</tr>
<tr>
<td>Drainage Layer</td>
<td>LS</td>
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<td>--</td>
<td>(155)</td>
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<tr>
<td><strong>Total from Continuation page</strong></td>
<td></td>
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<td>(49)</td>
</tr>
<tr>
<td><strong>SUPPORTING FACILITIES</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Electric Service</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(22)</td>
</tr>
<tr>
<td>Site Imp(  41) Demo( )</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(41)</td>
</tr>
</tbody>
</table>

**ESTIMATED CONTRACT COST**: 752

**CONTINGENCY PERCENT (5.00%)**: 38

**SUBTOTAL**: 790

**SUPV, INSP & OVERHEAD (7.70%)**: 61

**DESIGN/BUILD - DESIGN COST**: 32

**TOTAL REQUEST**: 883

**TOTAL REQUEST (ROUNDED)**: 880

**INSTALLED EQT-OTHER APPROP**: (0)

### Project Details

- **Project Title:** Construct a one acre landfill to handle 8-ton per day solid waste generated at Ramadi.
- **Requirement:** This landfill is to dispose of approximately 8 tons per day of solid waste generated by Ramadi. This landfill will augment incinerators already in use on the complex by safely disposing of solid waste not incinerated and disposal of the incinerator ash. This landfill will also be used for the remediation of already accumulated waste from open dumps and nonstandard hastily constructed landfill currently being used if funds are available.

---

**Note:** The details provided are based on the given text and may not include all specific dates or monetary values due to limitations in text extraction.
9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Haul Road</td>
<td>LS</td>
<td>--</td>
<td>(14)</td>
</tr>
<tr>
<td>Perimeter Fence</td>
<td>LS</td>
<td>--</td>
<td>(10)</td>
</tr>
<tr>
<td>Modular Building</td>
<td>LS</td>
<td>--</td>
<td>(25)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>49</strong></td>
</tr>
</tbody>
</table>

REQUIREMENT: (CONTINUED)

identified during the design process due to geologic conditions not requiring a synthetic liner or gas collection system.

CURRENT SITUATION: Open dumps and landfills without designed liner materials or leachate collection system to protect groundwater are being used. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit. A 15-ton incinerator will be constructed in FY07. The daily ash from incinerator will require an environmentally safe means of disposal.

IMPACT IF NOT PROVIDED: Solid waste will be continued to be placed in a non-standard landfill and perpetuate the possibility of contaminating the ground water. Solid waste to include scrap metals in open dumps and nonstandard landfills will remain mingled and not be properly disposed. Ramadi will continue to burn large amounts of trash each day which will expose the personnel on camp to the hazardous smoke.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started.......................... MAR 2007
   (b) Percent Complete As Of January 2007.......... .00
   (c) Date 35% Designed............................ OCT 2007
   (d) Date Design Complete.......................... FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
   (a) Production of Plans and Specifications............. 40
3. INSTALLATION AND LOCATION

Iraq Various, Iraq

4. PROJECT TITLE

Landfill Construction

5. PROJECT NUMBER

68015

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(b) All Other Design Costs: ________________________

(c) Total Design Cost: ________________________ 40

(d) Contract: ________________________

(e) In-house: ________________________ 40

(4) Construction Contract Award: ________________________ NOV 2007

(5) Construction Start: ________________________ MAR 2008

(6) Construction Completion: ________________________ MAR 2009

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Equipment Nomenclature</th>
<th>Fiscal Year</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Description of Proposed Construction

Construct an entry control point and access road. Primary facilities will include the following: the required kilometers of paving to connect to the nearest large road (Highway), construction of a guard tower for the ECP, and installation of several force protection requirements for the gate. Force protection improvements include pop-up barriers on ingress and egress routes, electronic gates, support buildings, lights, and communications cabling to allow installation of under vehicle cameras, full vehicle x-ray system, monitors, and intercom system. Supporting facilities include site utilities and site improvements.

### Project Title
Entry Control Point

### Project Number
68000

### Project Cost ($000)
5,000

### Cost Estimates

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY FACILITY</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Installation Pass and ID Bldg</td>
<td>m2 (SF)</td>
<td>120.40 (1,296)</td>
<td>3,229 (389)</td>
<td></td>
</tr>
<tr>
<td>Ground level sentry post</td>
<td>m2 (SF)</td>
<td>5.57 (60)</td>
<td>1,777 (10)</td>
<td></td>
</tr>
<tr>
<td>Guard Tower</td>
<td>EA</td>
<td>1 --</td>
<td>25,000 (25)</td>
<td></td>
</tr>
<tr>
<td>Roads, Access with Inspection</td>
<td>m (LF)</td>
<td>3,000 (9,843)</td>
<td>658.33 (1,975)</td>
<td></td>
</tr>
<tr>
<td>Protective Barrier, Pop-up</td>
<td>EA</td>
<td>2 --</td>
<td>107,500 (215)</td>
<td></td>
</tr>
<tr>
<td>Total from Continuation page</td>
<td></td>
<td></td>
<td></td>
<td>(595)</td>
</tr>
<tr>
<td>SUPPORTING FACILITIES</td>
<td></td>
<td></td>
<td></td>
<td>1,088</td>
</tr>
<tr>
<td>Electric Service</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(825)</td>
</tr>
<tr>
<td>Water, Sewer, Gas</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(83)</td>
</tr>
<tr>
<td>Paving, Walks, Curbs &amp; Gutters</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(30)</td>
</tr>
<tr>
<td>Site Imp( 150) Demo( )</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(150)</td>
</tr>
<tr>
<td>ESTIMATED CONTRACT COST</td>
<td></td>
<td></td>
<td>4,297</td>
<td></td>
</tr>
<tr>
<td>CONTINGENCY PERCENT (5.00%)</td>
<td></td>
<td></td>
<td>215</td>
<td></td>
</tr>
<tr>
<td>SUBTOTAL</td>
<td></td>
<td></td>
<td>4,512</td>
<td></td>
</tr>
<tr>
<td>SUPV, INS &amp; OVERHEAD (7.70%)</td>
<td></td>
<td></td>
<td>347</td>
<td></td>
</tr>
<tr>
<td>DESIGN/BUILD - DESIGN COST</td>
<td></td>
<td></td>
<td>180</td>
<td></td>
</tr>
<tr>
<td>TOTAL REQUEST</td>
<td></td>
<td></td>
<td>5,039</td>
<td></td>
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<tr>
<td>TOTAL REQUEST (ROUNDED)</td>
<td></td>
<td></td>
<td>5,000</td>
<td></td>
</tr>
<tr>
<td>INSTALLED EQT-OTHER APPROP</td>
<td></td>
<td></td>
<td>(0)</td>
<td></td>
</tr>
</tbody>
</table>

### Description of Proposed Construction
Construct an entry control point and access road. Primary facilities will include the following: the required kilometers of paving to connect to the nearest large road (Highway), construction of a guard tower for the ECP, and installation of several force protection requirements for the gate. Force protection improvements include pop-up barriers on ingress and egress routes, electronic gates, support buildings, lights, and communications cabling to allow installation of under vehicle cameras, full vehicle x-ray system, monitors, and intercom system. Supporting facilities include site utilities and site improvements.
9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST</th>
<th>($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gate, Sliding Electric</td>
<td>EA</td>
<td>2 --</td>
<td>225,000</td>
<td>(450)</td>
</tr>
<tr>
<td>Exterior Lighting</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(50)</td>
</tr>
<tr>
<td>Under-Vehicle Camera System</td>
<td>m2 (SF)</td>
<td>.9 (1)</td>
<td>277,778</td>
<td>(25)</td>
</tr>
<tr>
<td>Light Set, Traffic Control</td>
<td>m2 (SF)</td>
<td>.19 (2)</td>
<td>368,421</td>
<td>(70)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td>595</td>
</tr>
</tbody>
</table>

CURRENT SITUATION: There is not a sufficient number of ECPs currently at Scania, near its main logistics hub, where it receives many large convoys each day. The number of supply trucks arriving and departing each day is expected to reach close to 1,000 in the next few months. The current ECP often has traffic backed up for over two or more kilometers due to the large number of vehicles using the gate. The current truck route between the ECP and the new convoy support center/supply storage runs through undesired living the work areas.

IMPACT IF NOT PROVIDED: The population at Base Camp Scania is expected to increase by thousands over the next several months. This increase in population will exacerbate an already dangerous situation. The wait time to access the base can be 30 minutes or more due to the large number of vehicles using the ECP. This places the soldiers at risk of attack while they are waiting. The risk for a serious accident on the post will increase dramatically as the population doubles and the number of supply vehicles approaches 1,000 or more a day since the truck route runs through a heavily populated part of the camp.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
   (1) Status:
      (a) Date Design Started............................... MAR 2007
      (b) Percent Complete As Of January 2007.............. .00
      (c) Date 35% Designed................................... OCT 2007
      (d) Date Design Complete............................... FEB 2008
      (e) Parametric Cost Estimating Used to Develop Costs NO
      (f) Type of Design Contract: Design-build

   (2) Basis:
      (a) Standard or Definitive Design: YES
12. SUPPLEMENTAL DATA: (Continued)
   A. Estimated Design Data: (Continued)
      (b) Where Most Recently Used:

      (3) Total Design Cost \((c) = (a) + (b) \text{ OR } (d) + (e)\): \($000\)
      
      (a) Production of Plans and Specifications.............. \(200\)
      (b) All Other Design Costs.............................
      (c) Total Design Cost..................................... \(200\)
      (d) Contract........................................... \(200\)
      (e) In-house............................................

      (4) Construction Contract Award......................... \(NOV 2007\)
      (5) Construction Start.................................... \(MAR 2008\)
      (6) Construction Completion.............................. \(MAR 2009\)

   B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 10. Description of Proposed Construction

Construction a 30 MW power plant, transformer substation and associated distribution system at Speicher in support of the camp personnel. Site work includes clearing, grubbing, and leveling the area for the power plant and plant operator’s building. Power plant will consist of individual enclosed generator platforms, a modular control room, modular switchgear, and required fuel system. A modular plant operator’s facility will be constructed to provide an area for 24-hour plant operators, to be used as office area, and bunkhouse.

### 11. REQ:

- **30,000 kWe ADQT:** NONE
- **SUBSTD:** 30,000 kWe

**PROJECT:** Design and construct a 30MW power plant that is needed for COB Speicher, Iraq. Provisions for future expansion must be included.

**REQUIREMENT:** A 30MW power plant expansion is needed for COB Speicher, Iraq to provide reliable power to the Base Camp that does not degrade the environment of the COB. The design and construction of a 30MW power plant will drastically reduce the expenditures of cost for diesel fuel and cost of maintenance required, which ultimately reduce the government’s annual cost for plant power.
Camp Speicher, Iraq

Power Plant

9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>Unit Cost</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Substa./Switch Sta. Bldg m2 (SF)</td>
<td>185.81</td>
<td>2,000</td>
<td>PRIME</td>
<td>1,798</td>
</tr>
<tr>
<td>Transformers</td>
<td>EA</td>
<td>--</td>
<td>COST</td>
<td>60,000</td>
</tr>
<tr>
<td>Substation</td>
<td>kVA(KVA)</td>
<td>30,000</td>
<td>PRIMARY</td>
<td>121.23</td>
</tr>
<tr>
<td>Diesel Oil Storage</td>
<td>L (GA)</td>
<td>37,854</td>
<td>FACILITY</td>
<td>1.10</td>
</tr>
<tr>
<td>Ductile Iron, cls 50/fit joint m (LF)</td>
<td>609.60</td>
<td>2,000</td>
<td>PRIMARY</td>
<td>67.59</td>
</tr>
<tr>
<td>Information Systems</td>
<td>LS</td>
<td>--</td>
<td>PRIMARY</td>
<td>--</td>
</tr>
</tbody>
</table>

Total 11,964

CURRENT SITUATION: Speicher currently does not have the required prime power other than the use of diesel prime power generators for which cost the government over $20M per year. The diesel generators are expensive, require extensive maintenance and contribute to the poor air quality on Speicher.

IMPACT IF NOT PROVIDED: Speicher will continue to expend large amounts of resources (currently over $20M) to lease the prime power generation plants. The diesel generators will continue to require additional maintenance and will continue to contribute to the poor air quality on Speicher.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
   (1) Status:
      (a) Date Design Started.......................... MAR 2007
      (b) Percent Complete As Of January 2007......... .00
      (c) Date 35% Designed............................ OCT 2007
      (d) Date Design Complete......................... FEB 2008
      (e) Parametric Cost Estimating Used to Develop Costs NO
      (f) Type of Design Contract: Design-build

   (2) Basis:
      (a) Standard or Definitive Design: NO

   (3) Total Design Cost (c) = (a)+(b) OR (d)+(e):  ($000)
      (a) Production of Plans and Specifications........ 1,400
      (b) All Other Design Costs........................ 1,400
      (c) Total Design Cost.............................. 1,400
      (d) Contract...................................... 1,400
      (e) In-house...................................... 1,400
### 3. INSTALLATION AND LOCATION

Camp Speicher, Iraq

### 4. PROJECT TITLE

Power Plant

### 5. PROJECT NUMBER

67991

### 12. SUPPLEMENTAL DATA: (Continued)

#### A. Estimated Design Data: (Continued)

1. Construction Contract Award .................................... **NOV 2007**
2. Construction Start .................................................... **MAR 2008**
3. Construction Completion ............................................. **MAR 2010**

#### B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Construct a three acre landfill for a safe disposal of incinerator ash and other solid waste generated at Speicher. The planned project consists of a foundation layer, gas collection venting system, and leachate collection and drainage system, and a ground water barrier but specific variations would be based on local geological and ground water conditions during the design process. Project includes site preparation, construction, perimeter fence, haul road, modular building, and all other necessary work to provide a complete and usable landfill and remediate existing nonstandard landfill.
Camp Speicher, Iraq

Landfill Construction

9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY FACILITY (CONTINUED)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perimeter Fence (1,450')</td>
<td>LS</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Haul Road (24’x500’)</td>
<td>LS</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Modular Building</td>
<td>LS</td>
<td>--</td>
<td>(25)</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>120</td>
</tr>
</tbody>
</table>

REQUIREMENT: (CONTINUED) identified during the design process due to geologic conditions not requiring a synthetic liner or gas collection system.

CURRENT SITUATION: Open dumps and landfills without designed liner materials or leachate collection system to protect groundwater are being used. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit. Three 30-ton incinerators will be constructed in FY07. The daily ash from incinerators will require an environmentally safe means of disposal.

IMPACT IF NOT PROVIDED: Solid waste will be continued to be placed in a non-standard landfill and perpetuate the possibility of contaminating the groundwater. Solid waste to include scrap metals in open dumps and nonstandard landfills will remain mingled and not be properly disposed. Speicher will continue to burn large amounts of trash each day which will expose the personnel on camp to the hazardous smoke.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
   (1) Status:
      (a) Date Design Started......................... MAR 2007
      (b) Percent Complete As Of January 2007........... .00
      (c) Date 35% Designed............................ OCT 2007
      (d) Date Design Complete........................ FEB 2008
      (e) Parametric Cost Estimating Used to Develop Costs NO
      (f) Type of Design Contract: Design-build

   (2) Basis:
      (a) Standard or Definitive Design: NO

   (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
      (a) Production of Plans and Specifications......... 250
### 3. INSTALLATION AND LOCATION

Camp Speicher, Iraq

### 4. PROJECT TITLE

Landfill Construction

### 5. PROJECT NUMBER

68021

### 12. SUPPLEMENTAL DATA: (Continued)

#### A. Estimated Design Data: (Continued)

- **(b) All Other Design Costs**
  - Cost: $250

- **(c) Total Design Cost**
  - Cost: $250

- **(d) Contract**
  - Cost: $250

- **(e) In-house**
  - Cost: $250

- **(4) Construction Contract Award**
  - Date: Nov 2007

- **(5) Construction Start**
  - Date: Mar 2008

- **(6) Construction Completion**
  - Date: Mar 2009

#### B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Equipment</th>
<th>Procuring</th>
<th>Appropriated/Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nomenclature</td>
<td>Appropriation</td>
<td></td>
<td>NONE</td>
</tr>
</tbody>
</table>
10. Description of Proposed Construction

Construct a Wastewater Treatment Plant and Collection System capable of handling up to 1 Million Gallons Per Day. Project includes sewer mains & collection lines, manholes, liftstations, pumping station, emergency generators, sitework, paving, utilities, and anti-terrorism measures. Existing utilities and wastewater structures such as retention and oxidation ponds will be used to the maximum extent possible.

11. REQ: 3,785 L/d ADQT: NONE SUBSTD: 3,785 L/d

PROJECT: Construct a Wastewater Treatment and Collection System.

REQUIREMENT: This project is needed to provide a safe and cost effective method of collecting and treating sewage wastewater. The method of collecting and removing wastewater from the sewer tanks is expensive, time consuming, and creates potential health and safety hazards. The project cost will amortize within one year based on current costs of pumping and trucking wastewater to disposal sites.

CURRENT SITUATION: Most of the buildings have separate sewer tanks that must be pumped out and the product taken off base for disposal. This trucking process is extremely expensive and time consuming. The trucks must be inspected and searched prior to entering and leaving the base, which poses a
3. INSTALLATION AND LOCATION

Camp Speicher, Iraq

4. PROJECT TITLE

Waste Water Treatment & Collection System

5. PROJECT NUMBER

68011

9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST</th>
<th>($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY FACILITY (CONTINUED)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A/C Surface</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(1,000)</td>
</tr>
<tr>
<td>Ductile Iron Pipe</td>
<td>m (LF)</td>
<td>7,010 (23,000)</td>
<td>188.12</td>
<td>(1,319)</td>
</tr>
<tr>
<td>PVC, Schedule 40</td>
<td>m (LF)</td>
<td>1,219 (4,000)</td>
<td>81.69</td>
<td>(100)</td>
</tr>
<tr>
<td>Standby Generator</td>
<td>EA</td>
<td>4 --</td>
<td>25,000</td>
<td>(100)</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>2,519</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CURRENT SITUATION: (CONTINUED)

huge force protection risk. The constant transfer from trucks to tanks results in frequent leaks that leaves sewage spilled on the ground.

IMPACT IF NOT PROVIDED: The sewage collection and disposal will continue to be a costly and hazardous problem. We will continue to spend valuable personnel and monetary resources in collection and disposal of waste materials, and for search and inspection of vehicles.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started............................. MAR 2007
   (b) Percent Complete As Of January 2007............. .00
   (c) Date 35% Designed............................... OCT 2007
   (d) Date Design Complete............................ FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):
   (a) Production of Plans and Specifications........... 400
   (b) All Other Design Costs............................
   (c) Total Design Cost................................ 400
   (d) Contract.......................................... 400
   (e) In-house......................................... 400

(4) Construction Contract Award........................ NOV 2007
3. INSTALLATION AND LOCATION

Camp Speicher, Iraq

4. PROJECT TITLE

Waste Water Treatment & Collection System

5. PROJECT NUMBER

68011

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(5) Construction Start................................. MAR 2008

(6) Construction Completion.......................... MAR 2009

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NONE</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>


Army

FY 2008

MILITARY CONSTRUCTION PROJECT DATA

03 FEB 2007

Camp Speicher

Iraq

Rotary Wing Parking Apron

5. PROGRAM ELEMENT

6. CATEGORY CODE

7. PROJECT NUMBER

8. PROJECT COST ($000)

Auth

Approp

113

68004

49,000

9. COST ESTIMATES

ITEM

UM (M/E)

QUANTITY

UNIT COST

COST ($000)

PRIMARY FACILITY

Rotary-Wing Parking Apron

m2 (SY)

334,451 (400,000)

83.72

(28,000)

8" Black Steel Fuel Pipe

m (LF)

2,012 (6,600)

198.85

(400)

6" Black Steel Fuel Pipe

m (LF)

1,006 (3,300)

173.98

(175)

Filter Building 500 GPM

LS

--

--

(500)

Fuel Pumps

LS

--

--

(125)

SUPPORTING FACILITIES

Electric Service

LS

--

--

(3,850)

Storm Drainage

LS

--

--

(1,600)

Site Imp (4,000) Demo

LS

--

--

(4,000)

Antiterrorism Measures

LS

--

--

(2,800)

ESTIMATED CONTRACT COST

41,450

CONTINGENCY PERCENT (5.00%)

2,073

SUBTOTAL

43,523

SUPV, INSP & OVERHEAD (7.70%)

3,351

DESIGN/BUILD - DESIGN COST

1,741

TOTAL REQUEST

48,615

TOTAL REQUEST (ROUNDED)

49,000

INSTALLED EQT-OTHER APPROP

(0)

10. Description of Proposed Construction

Construct a concrete helicopter parking apron for Camp Speicher to support an increased rotary wing aircraft population. Site preparation, concrete parking apron, pavement markings, apron edge lighting, force protection measures, and all other work as necessary to provide a complete and useable helicopter parking apron.

11. REQ:

334,451 m2

ADQT:

NONE

SUBSTD:

NONE

PROJECT:

Construct a Helicopter Parking Ramp. The parking ramp must be large enough to accommodate an increased population of AH-64 helicopters. Each AH-64 must be parked with 100' spacing between rotor masts. The ramp will be 8' concrete. Construct a Fixed Refuel Facility. The refuel site must accommodate four drive through refuel points for UH and CH aircraft. The refuel surface will be 8' concrete. Install lighting, fuel equipment and force protection.

REQUIREMENT:

As a final Contingency Operating Base, Base Camp Speicher will have to support an additional squadron of helicopters to facilitate base consolidation. Another mobility ramp project has been submitted to only remove the current population of aircraft off the existing taxiways. Preliminary planning indicates that as many as 16 helicopters will be based at Speicher. Under the Iraqi regime, Al Sahra AB (the airfield on which Speicher is
REQUIREMENT: (CONTINUED).

Collocated) was a pilot training base and did not support many large aircraft or helicopters. Those aircraft that were supported were housed in hardened aircraft shelters (HAS), all of which are currently occupied by other functions. There is not sufficient space on the limited parking ramps to accommodate the extra helicopters.

CURRENT SITUATION: This mission is currently not supported at Speicher; this is an emerging mission due to base consolidation. An additional 1391 (68413) was submitted to provide ramp parking for the current population of aircraft.

IMPACT IF NOT PROVIDED: If not provided, helicopters will be forced to park on unprepared surfaces. The constant dust blown around by the rotors will contribute to increased mechanical wear and tear on the aircraft, accelerate corrosion, and require increased maintenance time. In addition, the low visibility in brownout conditions significantly increase the chance for an accident.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started................................. FEB 2007
   (b) Percent Complete As Of January 2007............. .00
   (c) Date 35% Designed................................. OCT 2007
   (d) Date Design Complete.............................. FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
   (a) Production of Plans and Specifications............ 700
   (b) All Other Design Costs.............................
   (c) Total Design Cost.................................... 700
   (d) Contract............................................ 700
   (e) In-house............................................

(4) Construction Contract Award.......................... NOV 2007

(5) Construction Start................................... MAR 2008

(6) Construction Completion.............................. MAR 2009
12. SUPPLEMENTAL DATA: (Continued)
   A. Estimated Design Data: (Continued)

   B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Fiscal Year</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Construct a one acre landfill for a safe disposal of incinerator ash and other solid waste generated at Taqaddum. The planned project consists of a foundation layer, gas collection venting system, and leachate collection and drainage system, and a ground water barrier but specific variations would be based on local geological and ground water conditions during the design process. Project includes site preparation, construction, perimeter fence, haul road, modular building, and all other necessary work to provide a complete and usable landfill and remediate existing nonstandard landfill.

11. REQ: NA ADQT: NA SUBSTD: NA
PROJECT: Construct a one acre landfill to handle 8-ton per day solid waste generated at Taqaddum.
REQUIREMENT: This landfill is to dispose of approximately 8 tons per day of solid waste generated by Taqaddum. This landfill will augment incinerators already in use on the complex by safely disposing of solid waste not incinerated and disposal of the incinerator ash. This landfill will also be used for the remediation of already accumulated waste from open dumps and nonstandard hastily constructed landfill currently being used if funds are...
Camp Taqqadum, Iraq

Landfill Construction

9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perimeter Fence</td>
<td>LS</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Haul Road</td>
<td>LS</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Modular Building</td>
<td>LS</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>49</strong></td>
</tr>
</tbody>
</table>

REQUIREMENT: (CONTINUED)

identified during the design process due to geologic conditions not requiring a synthetic liner or gas collection system.

CURRENT SITUATION: Open dumps and landfills without designed liner materials or leachate collection system to protect groundwater are being used. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit. A 15-ton incinerator will be constructed in FY07. The daily ash from incinerator will require an environmentally safe means of disposal.

IMPACT IF NOT PROVIDED: Solid waste will be continued to be placed in a non-standard landfill and perpetuate the possibility of contaminating the ground water. Solid waste to include scrap metals in open dumps and nonstandard landfills will remain mingled and not be properly disposed. Taqaddum will continue to burn large amounts of trash each day which will expose the personnel on camp to the hazardous smoke.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started.................  MAR 2007
   (b) Percent Complete As Of January 2007......  .00
   (c) Date 35% Designed..................  OCT 2007
   (d) Date Design Complete................  FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs  NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):  ($000)
   (a) Production of Plans and Specifications........  40
1. COMPONENT

ARMY

FY 2008 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

03 FEB 2007

3. INSTALLATION AND LOCATION

Camp Taqqadum, Iraq

4. PROJECT TITLE

Landfill Construction

5. PROJECT NUMBER

68016

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(b) All Other Design Costs..........................

(c) Total Design Cost.............................. 40

(d) Contract........................................          

(e) In-house........................................ 40

(4) Construction Contract Award ...................... NOV 2007

(5) Construction Start.................................. MAR 2008

(6) Construction Completion............................. MAR 2009

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Procuring Appropriation or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Equipment Nomenclature
Construct and upgrade a 30km (18.6 mile) Urban Bypass Road (Counter IED) to avoid densely populated and high threat urban areas for Tikrit, Iraq. Concrete or asphalt construction, either as new construction or overlay/improvement to existing roads where appropriate. Paving and right of way improvements to support simultaneous two-way heavy military traffic. Where required, site improvements including clearing, grading, and base course. Tall mast lighting where required. Culverts and support structures. Project includes force protection measures including specific engineered counter-IED features, and all work as required to provide a complete and useable road.
REQUIREMENT: (CONTINUED)
features that will make it more difficult for anti-Iraqi forces to emplace and employ improvised explosive devices, as well as minimize the hazard from detonated IED’s.

CURRENT SITUATION: Significant numbers of military convoys are subject to increased exposure to IED attacks when they transit though densely populated areas of Tikrit, Iraq. When they transit through these areas, convoys have to slow down and get intermingled with civilian traffic, which makes them an easier target of small arms fire and explosive devices. As a result of these attacks, noncombatants are exposed to unacceptable risks to life and limb.

IMPACT IF NOT PROVIDED: Failure to provide these roads will result in continued exposure of US and Coalition forces as well as Iraqi non-combatants to unacceptable IED and insurgent threats. As a result, we will continue to lose critical manpower and assets to these threats.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the project development, design, and construction of the project. Joint use potential will be incorporated where feasible.

<table>
<thead>
<tr>
<th>12. SUPPLEMENTAL DATA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Estimated Design Data:</td>
</tr>
<tr>
<td>(1) Status:</td>
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<tr>
<td>(a) Date Design Started................................. MAR 2007</td>
</tr>
<tr>
<td>(b) Percent Complete As Of January 2007.................... 0.00</td>
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<tr>
<td>(c) Date 35% Designed.......................................... OCT 2007</td>
</tr>
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<td>(d) Date Design Complete........................................ FEB 2008</td>
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<tr>
<td>(e) Parametric Cost Estimating Used to Develop Costs NO</td>
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<td>(f) Type of Design Contract: Design-build</td>
</tr>
<tr>
<td>(2) Basis:</td>
</tr>
<tr>
<td>(a) Standard or Definitive Design: NO</td>
</tr>
<tr>
<td>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)</td>
</tr>
<tr>
<td>(a) Production of Plans and Specifications..................... 1,500</td>
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<td>(b) All Other Design Costs......................................</td>
</tr>
<tr>
<td>(c) Total Design Cost............................................ 1,500</td>
</tr>
<tr>
<td>(d) Contract..........................................................</td>
</tr>
<tr>
<td>(e) In-house......................................................... 1,500</td>
</tr>
<tr>
<td>(4) Construction Contract Award.............................. NOV 2007</td>
</tr>
<tr>
<td>(5) Construction Start............................................ MAR 2008</td>
</tr>
<tr>
<td>(6) Construction Completion..................................... MAR 2009</td>
</tr>
</tbody>
</table>
### INSTALLATION AND LOCATION

Iraq Various, Iraq

### PROJECT TITLE

Urban By Pass Road

### PROJECT NUMBER

68008

#### SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fiscal Year: 

Cost: 

NONE
Construct a five acre landfill for a safe disposal of incinerator ash and other solid waste generated at Victory Base Complex (VBC). The planned project consists of a foundation layer, gas collection venting system, and leachate collection and drainage system, and a ground water barrier but specific variations would be based on local geological and ground water conditions during the design process. Project includes site preparation, construction, perimeter fence, haul road, modular building, and all other necessary work to provide a complete and usable landfill and remediate existing nonstandard landfill.
Landfill Construction

9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST</th>
<th>($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY FACILITY (CONTINUED)</td>
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<td></td>
</tr>
<tr>
<td>Perimeter Fence (2,500’)</td>
<td>LS</td>
<td>--</td>
<td></td>
<td>(75)</td>
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<tr>
<td>Haul Roads</td>
<td>LS</td>
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<td>(100)</td>
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<tr>
<td>Modular Building</td>
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<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>200</td>
</tr>
</tbody>
</table>

REQUIREMENT: (CONTINUED) during the design process due to geologic conditions not requiring a synthetic liner or gas collection system.

CURRENT SITUATION: Open dumps and landfills without designed liner materials or leachate collection system to protect groundwater are being used. Two 30-ton incinerators are currently in operation with an additional 120 ton capacity being constructed in FY07. The daily ash from incinerators continues to accumulate without a legitimate means of disposal. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit.

IMPACT IF NOT PROVIDED: Solid waste will be continued to be placed in a non-standard landfill and perpetuate the possibility of contaminating the ground water. Solid waste to include scrap metals in open dumps and nonstandard landfills will remain mingled and not be properly disposed. VBC will continue to burn large amounts of trash each day which will expose the personnel on camp to the hazardous smoke.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started......................... MAR 2007
   (b) Percent Complete As Of January 2007............ .00
   (c) Date 35% Designed............................ OCT 2007
   (d) Date Design Complete......................... FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
12. SUPPLEMENTAL DATA: (Continued)
   A. Estimated Design Data: (Continued)
      (a) Production of Plans and Specifications........ 240
      (b) All Other Design Costs.............................
      (c) Total Design Cost.................................... 240
      (d) Contract..............................................
      (e) In-house........................................... 240

      (4) Construction Contract Award......................... NOV 2007
      (5) Construction Start.................................. MAR 2008
      (6) Construction Completion.............................. MAR 2009

   B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Equipment Nomenclature</th>
<th>Fiscal Year Appropriated Or Requested Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Procuring Appropriation</td>
</tr>
<tr>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>
10. Description of Proposed Construction

Construct a new entry control point to Victory Base Complex to include traffic controls, isolation capability, unit protection and detection and screening capability. Traffic control measures include multiple traffic lanes, a separate passenger entrance, designated parking areas, speed humps, traffic lights, signage, kick out lane, and public address system. Isolation capability incorporates design to keep drivers and passengers separate, to ensure proper badging, separation of traffic prior to entry, capability of closing entrance at main supply route, control of inter-tier movement with various barrier systems, and a separate escort area. Unit protection includes towers to overwatch ECP, facility accommodations for working dogs, mobile barriers, quick reaction force access from rear of ECP, K12 rated hydraulic pop-up barriers, blast walls throughout ECP, and a centralized control tower. The detection and screening capabilities include multiple screening lanes, badging capability on site, a SPRUCE Jammer, remote systems to limit personnel requirements and vulnerability, illumination of ECP for visibility, and state of the art vehicular and personnel screening systems.
PROJECT TITLE
Entry Control Point

PROJECT NUMBER
68002

COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST</th>
<th>($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gate, Sliding Electric</td>
<td>EA</td>
<td>2 --</td>
<td>225,000</td>
<td>(450)</td>
</tr>
<tr>
<td>Exterior Lighting</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(50)</td>
</tr>
<tr>
<td>Under-Vehicle Camera System</td>
<td>EA</td>
<td>1 --</td>
<td>25,000</td>
<td>(25)</td>
</tr>
<tr>
<td>Light Set, Traffic Control</td>
<td>EA</td>
<td>2 --</td>
<td>35,000</td>
<td>(70)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>595</td>
<td></td>
</tr>
</tbody>
</table>

REQ: 1 EA ADQT: NONE SUBSTD: NONE

PROJECT: Construct an Entry Control Point 14, VBC - Victory, Iraq.

REQUIREMENT: ECP 14 will improve the flow of traffic off of Route Irish, a
central supply route, onto Victory Base Complex (VBC) as well as reduce the
requirement for other ECPs. The new ECP would be able to handle all military
traffic bound for VBC from central Baghdad as well as Iraqi Special Forces
traffic bound for West Baghdad International Airport (BIAP) and local national
vehicular traffic bound for VBC. The addition of this ECP will allow VBC to
tighten its security by completely eliminating two existing ECPs (5 and 8) and
by reducing two other ECPs to outbound vehicular traffic only (2 and 13).
Overall it will reduce the ECP manning requirements by 20% (24 guards) and
increase throughput capacity 100%. If capability is compared to the recent
closure of ECP 1A an additional 46 guards have been saved with the
construction of ECP 14 for the same capability. This reduction in manpower
results in a $4.69M annual savings. Compared to the $5.0M investment we will
have an 13-month payback. The construction of ECP 14 improves the safety of
soldiers on Route Irish, reducing risk and exposure to attack and reduces
manpower requirements while increasing efficiency and lowering costs.

CURRENT SITUATION: Victory Base Complex is a central Contingency Operating
Base (COB) that sits at the intersection of three major Main Supply Routes
(MSRs). Route Irish is a major MSR from downtown Baghdad to MSR Tampa as well
as the primary route taken by diplomats and dignitaries from the International
Zone to BIAP. The current situation is such that the only entrance on to VBC
from Route Irish is through ECP 13 on the south side of the divided highway.
The entrance to the ECP requires convoys and patrols to make a cross over from
the north side of the road to the south side. This requires the convoys and
patrols to slow down at the Flying Man Statue, which has been the site of
numerous SVBIED attacks, and make a dogleg crossover to an approach lane on
the south side. This also requires the crossing of traffic coming out of BIAP
on the south side of Rt Irish. Lastly, the convoys and patrols must drive down
an 800m long approach lane to ECP 13. Once down the approach lane, the convoys
and patrols are inspected at ECP 13. Some patrols enter VBC at ECP 13,
however, truck convoys are required to continue down a single lane 100m to an
additional cross over that takes them back across traffic to the north side of Rt. Irish. This is all required because ECP 1, manned by Global Security Company, doesn’t allow military traffic through their check point. The circuitous route exposes convoys and patrols to unnecessary danger from possible insurgent attacks where they are required to slow down and drive through confined lanes still in unsecured areas. Additionally, they are required to cross traffic multiple times that exposes the convoys and patrols to additional risk of accidents and again possible ambush points for insurgent SVBIED. The new ECP would take advantage of technology that allows for efficient and quick processing of vehicles and personnel to minimize exposure in unsecured areas. Additionally, the ECP is designed to take advantage of geometric traffic flow design to provide cover to incoming convoys and patrols as well as divide traffic up to ensure convoys and patrols are protected in their approach to VBC.

IMPACT IF NOT PROVIDED: The new ECP addresses multiple force protection and traffic safety vulnerabilities that would not be otherwise addressed. The new ECP addresses the need for convoys and patrols to prevent exposure to unnecessary danger areas by segregating traffic, providing necessary cover when approaching the ECP and ensuring military, VIP and truck convoys are protected coming onto VBC. Additionally, the reduction of the total number of ECPs will increase the overall security of VBC. The new ECP would also eliminate convoys and patrols from having to unnecessarily cross over congested traffic areas as well as follow the current flow of traffic on Rt. Irish to provide safe entrance and exit from the highway. The new ECP is located on the north side of Rt. Irish so traffic would not have to cross over. Additionally, ECP 14 will allow all traffic from Rt. Irish to be inspected at the ECP and easily merge back onto the BIAP Ring Road en route to checkpoint 5 and 8. Lastly, outbound traffic can enter BIAP through that same merge lane at the rear of ECP 14.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:
   A. Estimated Design Data:
      (1) Status:
         (a) Date Design Started............................. FEB 2007
         (b) Percent Complete As Of January 2007.......... .00
         (c) Date 35% Designed.............................. OCT 2007
         (d) Date Design Complete........................... FEB 2008
         (e) Parametric Cost Estimating Used to Develop Costs NO
         (f) Type of Design Contract: Design-build
3. INSTALLATION AND LOCATION

Camp Victory, Iraq

4. PROJECT TITLE

Entry Control Point

5. PROJECT NUMBER

68002

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(2) Basis:
   (a) Standard or Definitive Design: YES
   (b) Where Most Recently Used:

   (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
       (a) Production of Plans and Specifications............ 150
       (b) All Other Design Costs................................
       (c) Total Design Cost........................................ 150
       (d) Contract......................................................
       (e) In-house..................................................... 150

   (4) Construction Contract Award.......................... NOV 2007

   (5) Construction Start...................................... MAR 2008

   (6) Construction Completion.............................. MAR 2009

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year Year</th>
<th>Equipment Nomencature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
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<tr>
<td></td>
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</tr>
<tr>
<td>Item Description</td>
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<td>Quantity</td>
<td>Unit Cost</td>
<td>Cost ($000)</td>
</tr>
<tr>
<td>------------------------------------------------------</td>
<td>----------</td>
<td>----------</td>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>Medical/Health Clinic</td>
<td>m2 (SF)</td>
<td>2,787 (30,000)</td>
<td>2,530</td>
<td>(7,050)</td>
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<tr>
<td>Staff Sleeping Quarters</td>
<td>m2 (SF)</td>
<td>33.91 (365)</td>
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<td>Maintenance Facilities</td>
<td>m2 (SF)</td>
<td>501.68 (5,400)</td>
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<td>(794)</td>
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<tr>
<td>Electric Service</td>
<td>LS</td>
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<td>--</td>
<td>(843)</td>
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<td>Water, Sewer, Gas</td>
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<td>--</td>
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<td>Paving, Walks, Curbs &amp; Gutters</td>
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<td>--</td>
<td>(34)</td>
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<tr>
<td>Storm Drainage</td>
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<td>--</td>
<td>--</td>
<td>(75)</td>
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<tr>
<td>Site Imp( ) Demo( )</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(182)</td>
</tr>
<tr>
<td>Antiterrorism Measures</td>
<td>LS</td>
<td>--</td>
<td>--</td>
<td>(1,000)</td>
</tr>
</tbody>
</table>

Construct a new Level 3 Medical Clinic. The Clinic is to have a minimum of 27 beds, an Intensive Care Unit (ICU), Intermediate Care Ward/Minimal Care Ward (ICW, MCW), PreOp/Operating Room (OR), Emergency Room (ER)/Trauma Room, Radiology, Pharmacy/Lab, Dental Clinic, Physical Therapy, mental health/stress counseling and administration offices. Cost will include antiterrorism/force protection measures.
CURRENT SITUATION: (CONTINUED)
medical facility with a higher level of care. The EMEDS facility presently resides in 5-semi-circular tents linked by a tent corridor. The TMC consists of several tents attached to each other and is located in an abandoned bunker. Neither have indoor plumbing, which is necessary for proper sanitation of the facilities. Both are air-conditioned, but lack proper climate control and sterile, positive pressure operating rooms.

IMPACT IF NOT PROVIDED: The current facilities (EMEDS and the TMC) are considered mobile units and are not suitable as long term medical facilities. Tents will begin to deteriorate within the year and will have to be replaced. Air duct work in the tents is beginning to deteriorate as well. There is also the smell of mildew in the facilities which could result in respiratory illness. This will lead to a decline in medical care for the units at Camp Victory Base. EMEDS is not protected against explosive shrapnel, which is highly possible given its proximity to the perimeter and periodic rocket and mortar attacks.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
   (1) Status:
      (a) Date Design Started............................... MAR 2007
      (b) Percent Complete As Of January 2007............. 0.00
      (c) Date 35% Designed............................... OCT 2007
      (d) Date Design Complete............................ FEB 2008
      (e) Parametric Cost Estimating Used to Develop Costs NO
      (f) Type of Design Contract: Design-build
      (g) An energy study and life cycle cost analysis will be documented during the final design.

   (2) Basis:
      (a) Standard or Definitive Design: YES
      (b) Where Most Recently Used:

   (3) Total Design Cost (c) = (a)+(b) OR (d)+(e):
      (a) Production of Plans and Specifications............ 400
      (b) All Other Design Costs............................
      (c) Total Design Cost...................................
      (d) Contract........................................ 400
      (e) In-house........................................
1. COMPONENT: ARMY

2. DATE: 03 FEB 2007

3. INSTALLATION AND LOCATION:

Camp Victory, Iraq

4. PROJECT TITLE: Level 3 Hospital

5. PROJECT NUMBER: 68005

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Contract Award. .................. NOV 2007

(5) Construction Start. ............................ MAR 2008

(6) Construction Completion. ..................... MAR 2009

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Equipment Nomenclature</th>
<th>Procuring Appropriation</th>
<th>Appropriated Or Requested</th>
<th>Cost ($000)</th>
</tr>
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<tbody>
<tr>
<td></td>
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NOTES: (Continued)
## Military Construction Project Data

### Army

**Camp Victory**  
**Waste Water Treatment & Collection System**  
**Iraq**

### Project Title

**Construct a Wastewater Collection and Treatment System capable of handling up to 1 Million Gallons Per Day.** Project includes sewer mains and collection lines, manholes, lift stations, pumping station, emergency generators, sitework, paving, utilities, and anti-terrorism measures. Existing utilities and wastewater structures such as retention and oxidation ponds will be used to the maximum extent possible.

### Project Number

**68012**

### Program Element

**831**

### Category Code

**831**

### Project Number

**68012**

### Project Cost ($000)

**$9,800**

### Cost Estimates

<table>
<thead>
<tr>
<th>Item Description</th>
<th>UM (M/E)</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Cost ($000)</th>
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</thead>
<tbody>
<tr>
<td>Primary Facility</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primary Waste Water Treatment</td>
<td>L/d(KG)</td>
<td>3,785 (1,000)</td>
<td>792.52</td>
<td>(3,000)</td>
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<tr>
<td>Sewage/Waste Treatment Building</td>
<td>m2 (SF)</td>
<td>557.42 (6,000)</td>
<td>1,798</td>
<td>(1,002)</td>
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<tr>
<td>Concrete Manholes</td>
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<td>10 --</td>
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<td>2 --</td>
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<td>Sewage Pumping Station</td>
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<td>(1,100)</td>
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<td>Electric Service</td>
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<td>Water, Sewer, Gas</td>
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<td>Paving, Walks, Curbs &amp; Gutters</td>
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<td>Site Imp(500) Demo( )</td>
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<td>Antiterrorism Measures</td>
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<td>Estimated Contract Cost</td>
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<td>Contingency Percent (5.00%)</td>
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<td></td>
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<td>Subtotal</td>
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<td></td>
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<td>SUPV, INSPECTION &amp; OVERHEAD (7.70%)</td>
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<td>Design/Build - Design Cost</td>
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<td>Total Request</td>
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<td>Total Request (Rounded)</td>
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<td>Installed Eqt-Other Appropriation</td>
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### Description of Proposed Construction

Construct a Wastewater Collection and Treatment System capable of handling up to 1 Million Gallons Per Day. Project includes sewer mains and collection lines, manholes, lift stations, pumping station, emergency generators, sitework, paving, utilities, and anti-terrorism measures. Existing utilities and wastewater structures such as retention and oxidation ponds will be used to the maximum extent possible.

### Requirement

**3,785 L/d ADQT:** NONE  
**SUBSTD:** 3,785 L/d

**PROJECT:** Construct Wastewater Collection and Treatment System.

**REQUIREMENT:** This project is needed to provide a safe and cost effective method of collecting and treating sewage wastewater. The method of collecting and removing wastewater from the sewer tanks is expensive, time consuming, and creates potential health and safety hazards. The project cost will amortize within one year based on current costs of pumping and trucking wastewater to disposal sites.

**CURRENT SITUATION:** The installation currently trucks sewage off base because there are no adequate sewage systems on the base camp. Most of the buildings have separate sewer tanks that must be pumped out and the product taken off base to be disposed of. This trucking process is extremely expensive ($15.6M).
CURRENT SITUATION: (CONTINUED)

annually) and time consuming. The trucks must be inspected and searched prior to entering and leaving the base, which poses a huge force protection risk. The constant transfer process from tanks to trucks results in frequent leaks that leaves sewage spilled on the ground.

IMPACT IF NOT PROVIDED: The sewage collection and disposal will continue to be a costly and hazardous problem. We will continue to spend valuable personnel and monetary resources in collection and disposal of waste materials, and for search and inspection of vehicles.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Date Design Started............................. FEB 2007
(b) Percent Complete As Of January 2007............. .00
(c) Date 35% Designed............................... OCT 2007
(d) Date Design Complete............................. FEB 2008
(e) Parametric Cost Estimating Used to Develop Costs NO
(f) Type of Design Contract: Design-build

(2) Basis:
(a) Standard or Definitive Design: NO

(3) Total Design Cost \( (c) = (a) + (b) \) OR \( (d) + (e) \): ($000)
(a) Production of Plans and Specifications.............. 400
(b) All Other Design Costs..............................
(c) Total Design Cost..................................... 400
(d) Contract................................................
(e) In-house............................................ 400
Camp Victory, Iraq

Waste Water Treatment & Collection System

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)
   (4) Construction Contract Award.......................... NOV 2007
   (5) Construction Start................................... MAR 2008
   (6) Construction Completion.............................. MAR 2009

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Procuring</th>
<th>Appropriated</th>
<th>Cost</th>
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<td>Nomenclature</td>
<td>Appropriation</td>
<td>Or Requested ($000)</td>
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NONE
Construct a one acre landfill for a safe disposal of incinerator ash and other solid waste generated at Warrior. The planned project consists of a foundation layer, gas collection venting system, and leachate collection and drainage system, and a ground water barrier but specific variations would be based on local geological and ground water conditions during the design process. Project includes site preparation, construction, perimeter fence, haul road, modular building, and all other necessary work to provide a complete and usable landfill and remediate existing nonstandard landfill.

**11. REQ:** NA  **ADQT:** NA  **SUBSTD:** NA

**PROJECT:** Construct a one acre landfill to handle 8-ton per day solid waste generated at Warrior.

**REQUIREMENT:** This landfill is to dispose of approximately 8 tons per day of solid waste generated by Warrior. This landfill will augment incinerators already in use on the complex by safely disposing of solid waste not incinerated and disposal of the incinerator ash. This landfill will also be used for the remediation of already accumulated waste from open dumps and nonstandard hastily constructed landfill currently being used if funds are available.
Camp Warrior, Iraq

Landfill Construction

9. COST ESTIMATES (CONTINUED)

<table>
<thead>
<tr>
<th>Item</th>
<th>UM (M/E)</th>
<th>QUANTITY</th>
<th>COST  ($000)</th>
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<tr>
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</tr>
<tr>
<td>Perimeter Fence</td>
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<td>--</td>
</tr>
<tr>
<td>Modular Building</td>
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<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>49</td>
</tr>
</tbody>
</table>

REQUIREMENT: (CONTINUED)
identified during the design process due to geologic conditions not requiring a synthetic liner or gas collection system.

CURRENT SITUATION: Open dumps and landfills without designed liner materials or leachate collection system to protect groundwater are being used. All excess solid waste is currently placed in nonstandard landfills or being burned in a large open pit. A 15-ton incinerator will be constructed in FY07. The daily ash from incinerator will require legitimate means of disposal.

IMPACT IF NOT PROVIDED: Solid waste will be continued to be placed in a non-standard landfill and perpetuate the possibility of contaminating the ground water. Solid waste to include scrap metals in open dumps and nonstandard landfills will remain mingled and not be properly disposed. Warrior will continue to burn large amounts of trash each day which will expose the personnel on camp to the hazardous smoke.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
   (1) Status:
       (a) Date Design Started......................... MAR 2007
       (b) Percent Complete As Of January 2007....... .00
       (c) Date 35% Designed........................... OCT 2007
       (d) Date Design Complete......................... FEB 2008
       (e) Parametric Cost Estimating Used to Develop Costs NO
       (f) Type of Design Contract: Design-build

   (2) Basis:
       (a) Standard or Definitive Design: NO

   (3) Total Design Cost (c) = (a)+(b) OR (d)+(e):  ($000)
       (a) Production of Plans and Specifications........ 40
       (b) All Other Design Costs........................
**12. SUPPLEMENTAL DATA: (Continued)**

A. Estimated Design Data: (Continued)

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<th>Item</th>
<th>Description</th>
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<tr>
<td>(c)</td>
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</tr>
<tr>
<td>(d)</td>
<td>Contract</td>
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<tr>
<td>(e)</td>
<td>In-house</td>
<td>40</td>
</tr>
<tr>
<td>(4)</td>
<td>Construction Contract Award</td>
<td>NOV 2007</td>
</tr>
<tr>
<td>(5)</td>
<td>Construction Start</td>
<td>MAR 2008</td>
</tr>
<tr>
<td>(6)</td>
<td>Construction Completion</td>
<td>MAR 2009</td>
</tr>
</tbody>
</table>

B. Equipment associated with this project which will be provided from other appropriations:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Appropriated Or Requested ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NONE
**Description of Proposed Construction**

Replace deteriorated expeditionary facilities with new construction. Construct new housing, administrative, and community support facilities using containerized or modular construction. Project includes sitework, water, sewer, electrical, demolition and removal of old structures. All existing utilities and force protection measures will be reused to the maximum extent possible.

**Req:** 32,516 m²  
**ADQT:** NONE  
**SUBSTD:** NONE

**PROJECT:** Construct Replacement Facilities Phase I, Multiple Locations, Iraq

**REQUIREMENT:** At the four final Consolidated Operating Bases (COB) in Iraq, there are hundreds of temporary facilities that have outlived their intended useful life. This includes such facilities as morale facilities, administrative facilities, and housing areas. This project will replace those aging facilities with new temporary construction that will serve the communities until the projected end of the US presence in country without presenting the politically unfavorable image of a permanent US presence in Iraq. In addition, a new look at the state of these bases will allow some operations to be consolidated, increasing the effective utilization of the facility square footage on base. Where necessary, this project will also...
REQUIREMENT: (CONTINUED)
provide new facilities to support emerging missions during the Operational Over watch phase of Operation Iraqi Freedom.

CURRENT SITUATION: Currently this requirement is being met by temporary facilities, including tents, constructed during the initial stages of Operation Iraqi Freedom. After consolidation, there will still be several thousand troops living in tents. These facilities are deteriorated to the point where they require constant repair to remain functional. These facilities were designed and constructed with expediency in mind and were only intended for a few years of use. There is not sufficient square footage to support the shifting missions anticipated as the US moves into the operational over watch phase of Operation Iraqi Freedom.

IMPACT IF NOT PROVIDED: Without replacement, the bases will continue to spend Operations & Maintenance, Army (OMA) funding to maintain deteriorated facilities and continue to experience shortfalls in the number and size of facilities needed.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
   (1) Status:
      (a) Date Design Started.......................... MAR 2007
      (b) Percent Complete As Of January 2007............ .00
      (c) Date 35% Designed............................. OCT 2007
      (d) Date Design Complete............................ FEB 2008
      (e) Parametric Cost Estimating Used to Develop Costs
      (f) Type of Design Contract: Design-build
   (2) Basis:
      (a) Standard or Definitive Design: NO
   (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
      (a) Production of Plans and Specifications......... 1,400
      (b) All Other Design Costs.......................... 1,400
      (c) Total Design Cost............................... 1,400
      (d) Contract........................................ 1,400
      (e) In-house........................................ 1,400
   (4) Construction Contract Award...................... NOV 2007
   (5) Construction Start................................. MAR 2008
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<th>12. SUPPLEMENTAL DATA: (Continued)</th>
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<td>A. Estimated Design Data: (Continued)</td>
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<td>(6) Construction Completion ..........</td>
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<table>
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<th>B. Equipment associated with this project which will be provided from other appropriations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment Nomenclature</td>
</tr>
<tr>
<td>------------------------</td>
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</tbody>
</table>
Replace deteriorated expeditionary facilities with new construction. Construct new housing, administrative, and community support facilities using containerized or modular construction. Project includes sitework, water, sewer, electrical, demolition and removal of old structures. All existing utilities and force protection measures will be reused to the maximum extent possible.

11. REQ: 32,516 m²  ADQT: NONE  SUBSTD: NONE
PROJECT: Construct Replacement Facilities Phase II, Multiple Locations, Iraq
REQUIREMENT: At the four final Consolidated Operating Bases (COB) in Iraq, there are hundreds of temporary facilities that have outlived their intended useful life. This includes such facilities as morale facilities, administrative facilities, and housing areas. This project will replace those aging facilities with new temporary construction that will serve the communities until the projected end of the US presence in country without presenting the politically unfavorable image of a permanent US presence in Iraq. In addition, a new look at the state of these bases will allow some operations to be consolidated, increasing the effective utilization of the facility square footage on base. Where necessary, this project will also
REQUIREMENT: (CONTINUED)

provide new facilities to support emerging missions during the Operational
Overwatch phase of Operation Iraqi Freedom.

CURRENT SITUATION: Currently this requirement is being met by temporary
facilities, including tents, constructed during the initial stages of
Operation Iraqi Freedom. After consolidation, there will still be several
thousand troops living in tents. These facilities are deteriorated to the
point where they require constant repair to remain functional. These
facilities were designed and constructed with expediency in mind and were only
intended for a few years of use. There is not sufficient square footage to
support the shifting missions anticipated as the US moves into the operational
overwatch phase of Operation Iraqi Freedom.

IMPACT IF NOT PROVIDED: Without replacement, the bases will continue to
spend Operations & Maintenance, Army (OMA) funding to maintain deteriorated
facilities and continue to experience shortfalls in the number and size of
facilities needed.

ADDITIONAL: All required physical security and antiterrorism/force
protection measures will be incorporated. Sustainable principles will be
integrated into the development, design, and construction of the project.
Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
   (1) Status:
      (a) Date Design Started................................. MAR 2007
      (b) Percent Complete As Of January 2007............... .00
      (c) Date 35% Designed.................................... OCT 2007
      (d) Date Design Complete............................... MAR 2008
      (e) Parametric Cost Estimating Used to Develop Costs NO
      (f) Type of Design Contract: Design-build

   (2) Basis:
      (a) Standard or Definitive Design: NO

   (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
      (a) Production of Plans and Specifications............ 1,350
      (b) All Other Design Costs.............................
      (c) Total Design Cost.................................... 1,350
      (d) Contract........................................
      (e) In-house......................................... 1,350

   (4) Construction Contract Award......................... NOV 2007

   (5) Construction Start................................. MAR 2008
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<th>Fiscal Year</th>
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</table>
Construct facility overhead cover systems for selected high-density gathering facilities at the final eight Contingency Operating Bases (COB’s) and Cooperative Security Locations (CSL’s) in Iraq. Specific facilities are prioritized based upon threat and vulnerability assessment. Cost includes three ‘E-Glass’ protection layers, delivery, site prep, concrete foundations, demo and retrofit of existing facility, and installation of steel support structure and pre-detonation screen.

**Description of Proposed Construction**

Construct facility overhead cover systems for

*CURRENT SITUATION:* A majority of bases theater wide are subject to artillery attack by anti-Iraqi forces. Most of the high-density gathering facilities on these bases, such as dining facilities, gyms, and exchanges, are 'soft' facilities that have no overhead cover and thus are extremely vulnerable to
CURRENT SITUATION: (CONTINUED)

artillery attack.

IMPACT IF NOT PROVIDED: The likelihood of attack on a high-density gathering facility has increased, as there is mounting evidence that anti-Iraqi forces are specifically targeting these facilities in order to inflict the maximum number of casualties. Failure to provide overhead cover greatly increases the risk of mass casualties from indirect fire attacks.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
   (a) Date Design Started ...................... FEB 2007
   (b) Percent Complete As Of January 2007 .......... .00
   (c) Date 35% Designed ......................... OCT 2008
   (d) Date Design Complete ...................... FEB 2008
   (e) Parametric Cost Estimating Used to Develop Costs NO
   (f) Type of Design Contract: Design-build

(2) Basis:
   (a) Standard or Definitive Design: YES
   (b) Where Most Recently Used:

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): ($000)
   (a) Production of Plans and Specifications ........ 600
   (b) All Other Design Costs ....................... 600
   (c) Total Design Cost .......................... 600
   (d) Contract .................................... 600
   (e) In-house .....................................

(4) Construction Contract Award .................. NOV 2007

(5) Construction Start ............................ MAR 2008

(6) Construction Completion ....................... MAR 2009
<table>
<thead>
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<th>Fiscal Year</th>
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<tbody>
<tr>
<td>NONE</td>
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</tr>
</tbody>
</table>
THIS PAGE INTENTIONALLY LEFT BLANK
This item provides for design of major construction projects for Army facilities in conjunction with the US Third Army, Coalition Forces Land Component Command (CFLCC).

**Description of Proposed Construction**

This item provides for design of major construction projects for Army facilities in conjunction with the US Third Army, Coalition Forces Land Component Command (CFLCC).

**Requirement:** Planning and design funds.

**Additional:** The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. The facility will be available for use by other components.

Sustainable principles will be integrated into the design, development, and
<table>
<thead>
<tr>
<th>1. COMPONENT</th>
<th>FY 2008 MILITARY CONSTRUCTION PROJECT DATA</th>
<th>2. DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARMY</td>
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3. INSTALLATION AND LOCATION

Planning and Design, Worldwide Various

4. PROJECT TITLE

Planning and Design - FY08 GWOT

5. PROJECT NUMBER

68198

ADDITIONAL: (CONTINUED)

construction of the project in accordance with Executive Order 13123 and other applicable laws and Executive Orders.