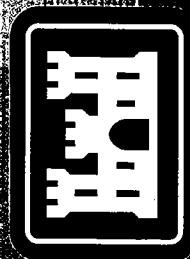
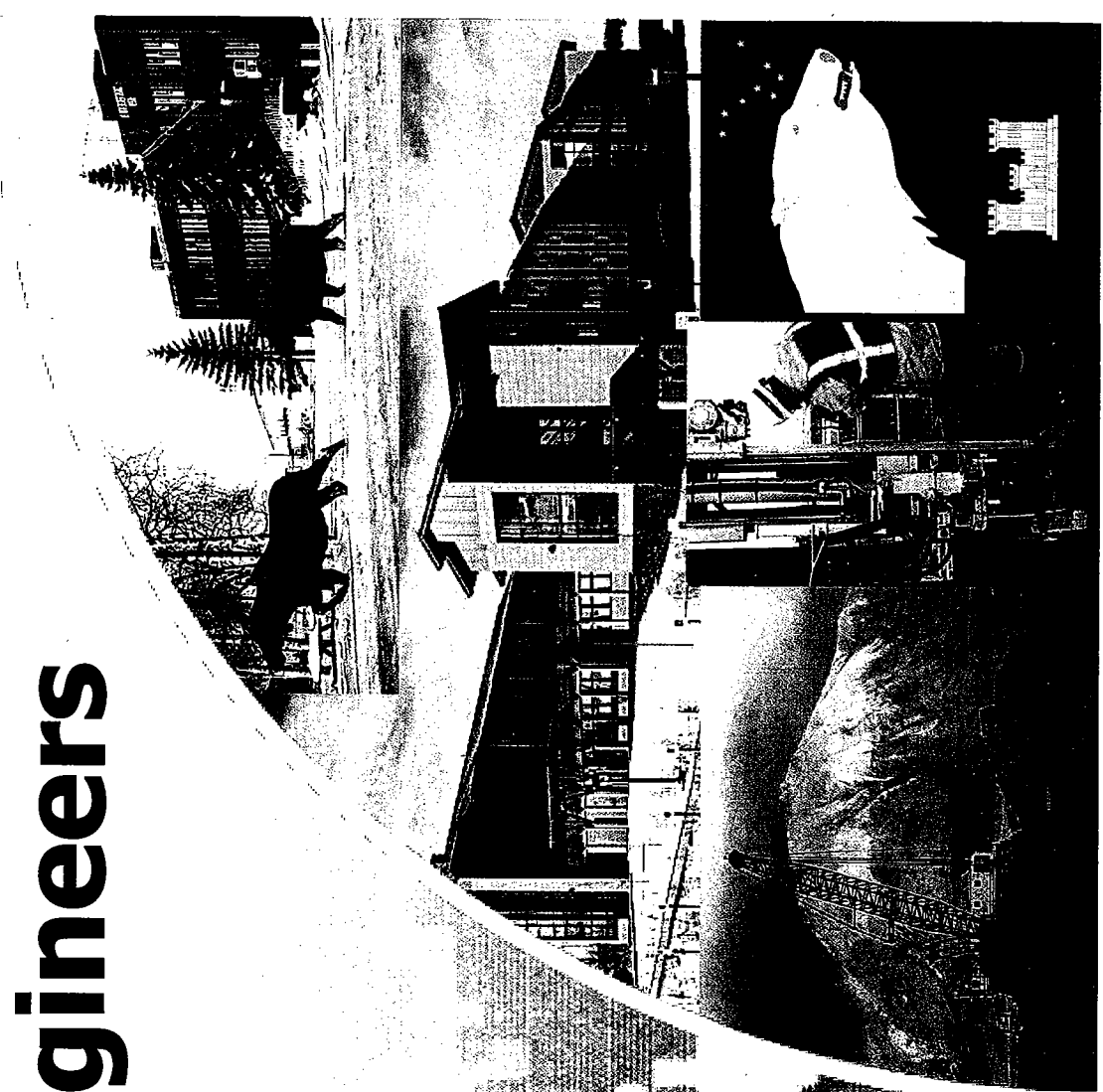


# Society of American Military Engineers

*Chris Tew  
Chief, Contracting District  
USACE Alaska District  
Sept 22, 2011*



US Army Corps of Engineers  
BUILDING AMERICA



# TOPICS

- **AK District's Mission/Workload – MILCON Program FY11 – FY13, Civil Works, Environmental, and IIS**
- **Program Trends**
- **Afghanistan – ANSF and CERP**
- **Questions**



# MAJOR PROGRAMS

## MILITARY

Barracks at Fort Wainwright



## CIVIL WORKS

Rock Placement in Wrangell Harbor



Removal Action at Tanaga Island



Wetlands Assessment  
in Mat-Su Valley



## ENVIRONMENTAL AND SPECIAL PROJECTS

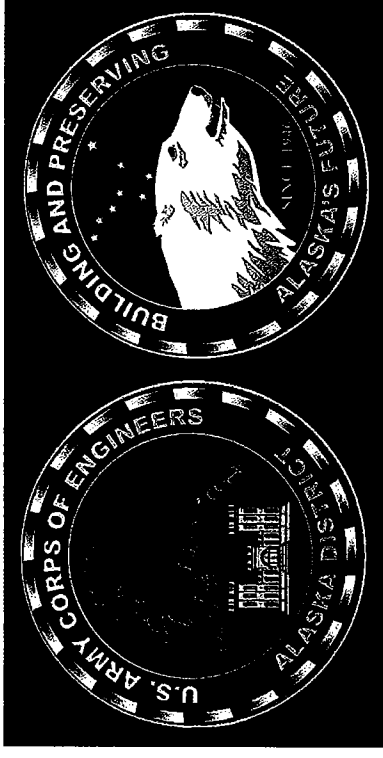
## REGULATORY



BUILDING STRONG®

# FY11 TOTAL PROGRAM

- **Military Construction: 15 Projects valued @ ~\$325M**
- **Civil Works: 66 Projects / Activities valued @ ~\$60M**
- **Environmental: 143 Projects valued @ ~\$100M**
- **Interagency & International Services: 39 Projects valued @ ~\$30M**
- **Humanitarian Assistance: 78 Projects valued @ ~\$30M**
- **Total: 341 Projects / Activities valued @ ~\$550 Million**



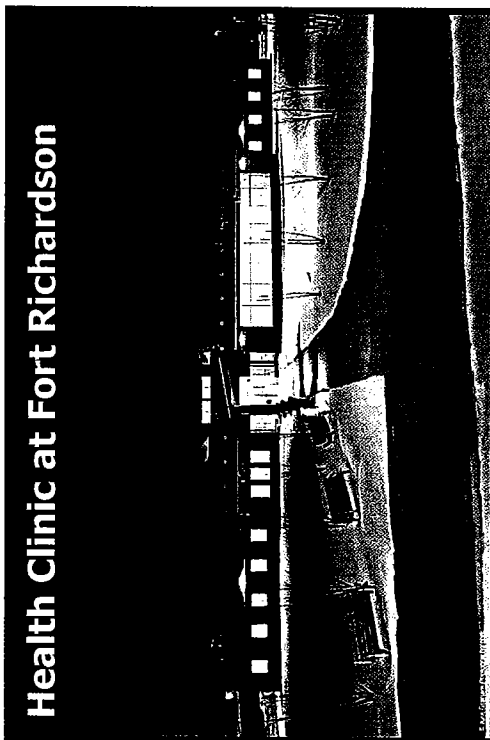
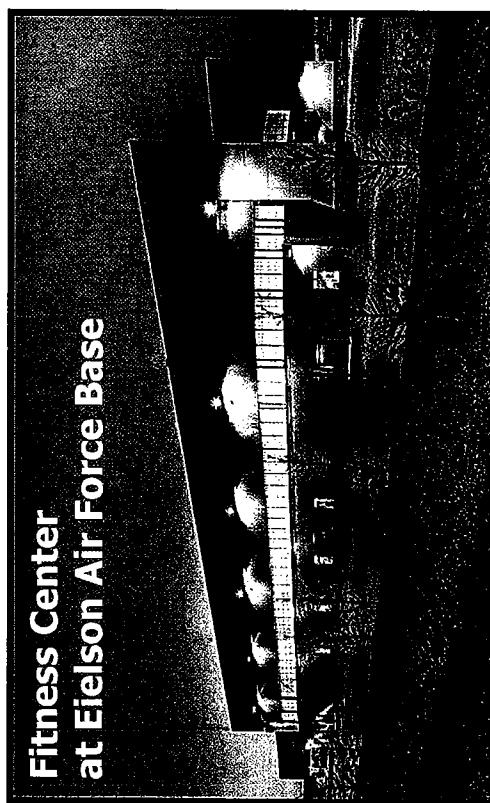
**BUILDING STRONG®**

# FY11 MILITARY PROGRAM

**15 Projects @ ~\$325Million \***

- JBER-Richardson: 3 projects
- Fort Wainwright: 5 projects
- Fort Greely: 1 project
- JBER/Elmendorf: 3 projects
- Eielson Air Force Base: 3 projects

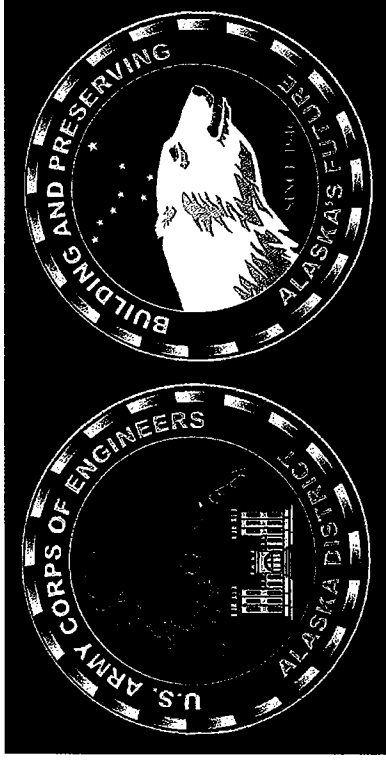
*\* Contract award season began on May 5, 2011 w/ 1 award remaining*



**BUILDING STRONG®**

## **FY12 TOTAL PROGRAM**

- **Military Construction: 7 Projects valued @ ~\$300M**
- **Civil Works: 10 Projects / Activities valued @ ~\$20M**
- **Environmental: 137 Projects valued @ ~\$90M**
- **Interagency & International Services: 38 Projects valued @ ~\$20M**
- **Humanitarian Assistance: 72 Projects valued @ ~\$30M**
- **Total: 264 Projects / Activities valued @ ~\$460 Million**



**BUILDING STRONG®**

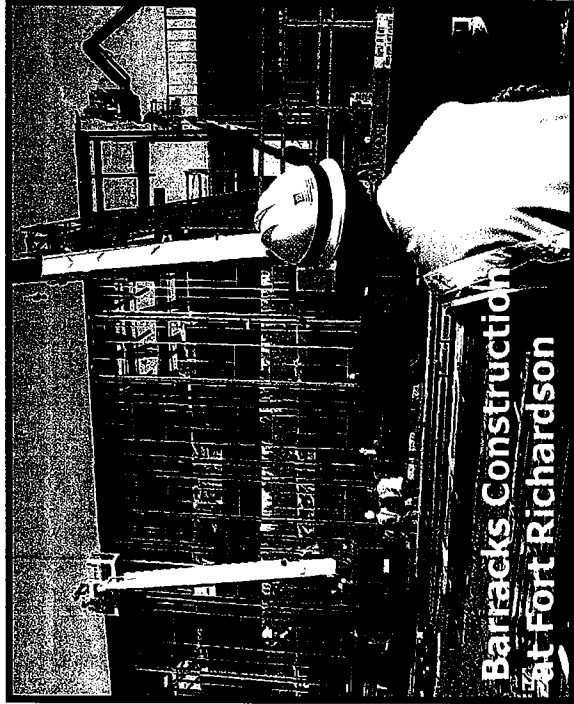
# FY12 MILITARY PROGRAM

7 projects @ ~\$325 Million

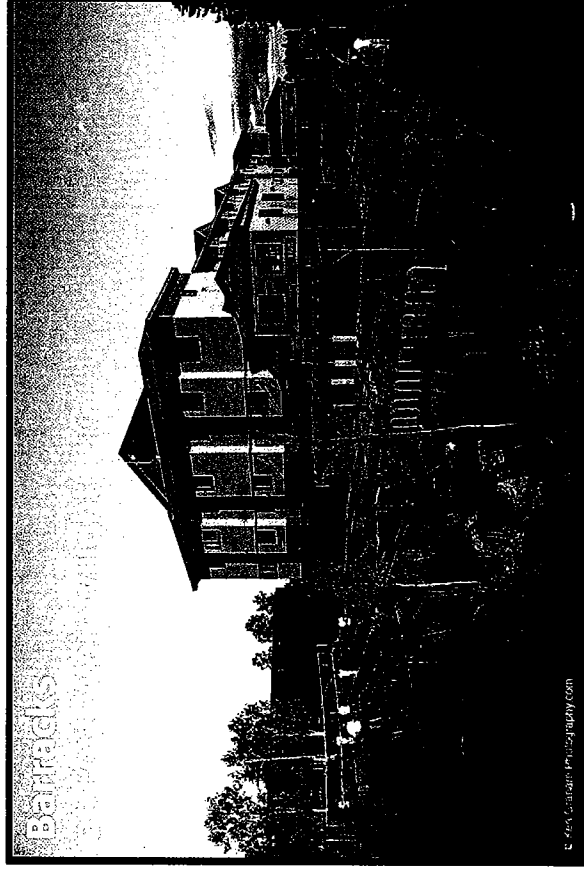
- JBER/Richardson: 4 projects
- Fort Wainwright: 1 project
- Eielson Air Force Base: 2 projects



Chapel at Eielson Air Force Base



Barracks Construction  
at Fort Richardson



BUILDING STRONG®

## **FY12 MILCON PROGRAM**

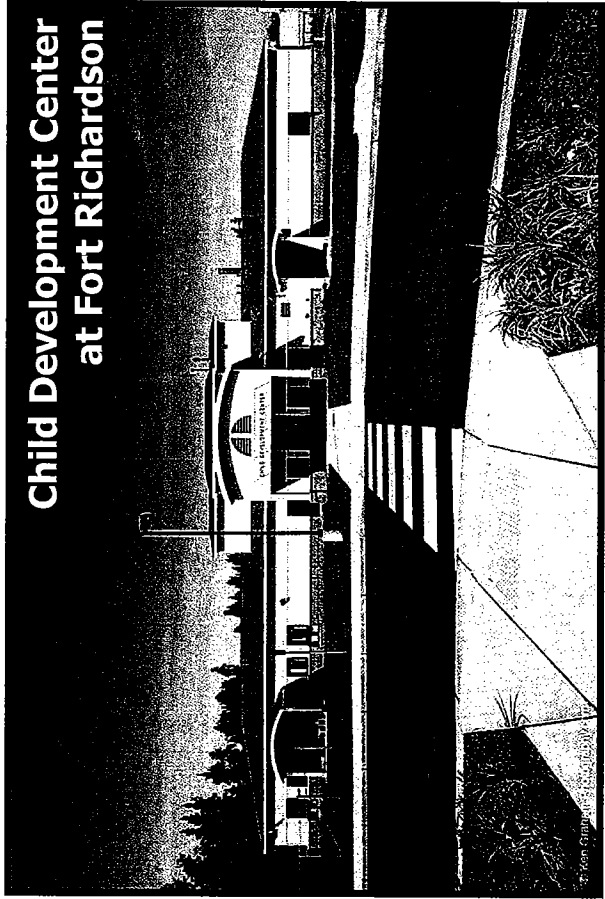
- **FTR198 – Physical Fitness Facility Expansion: Valued @ ~\$22M; SB Set Aside; DB**
- **FTR271A – Brigade HQ: Valued @ ~\$23M; SB Set Aside; DB**
- **FTR271B – TEMF: Valued @ ~\$35M; MATOC; DB**
- **FTR271C – Rec Vehicle Lot: Valued @ ~\$5M; SB Set Aside; DBB**
- **FTR334 Org Parking for GTA Units: Valued @ ~\$3M; SB Set Aside; DBB**
- **FTW357 Aviation Task Force Ph IIIA: Valued @ ~\$100M; F&O; DB**
- **EIE305 Upgrade Rail Line: Valued @ ~\$12M; SB Set Aside; DBB**
- **EIE326 Enlisted Dormitory: Valued @ ~\$40M; F&O\*; DB**
- **JBER/FTR251 Brigade Combat Team Barracks: Valued @ ~\$85M; DBB**



# FY13 MILITARY PROGRAM

## 10 projects valued @ ~\$370 Million

- JBER/Richardson: 4 projects valued @ ~\$125M
- Fort Wainwright: 6 projects valued @ ~\$195M
- Eielson Air Force Base: 1 project valued @ ~\$40M
- Clear Air Force Station: 1 project valued @ ~\$10M



© Ken Grahns Photography.com



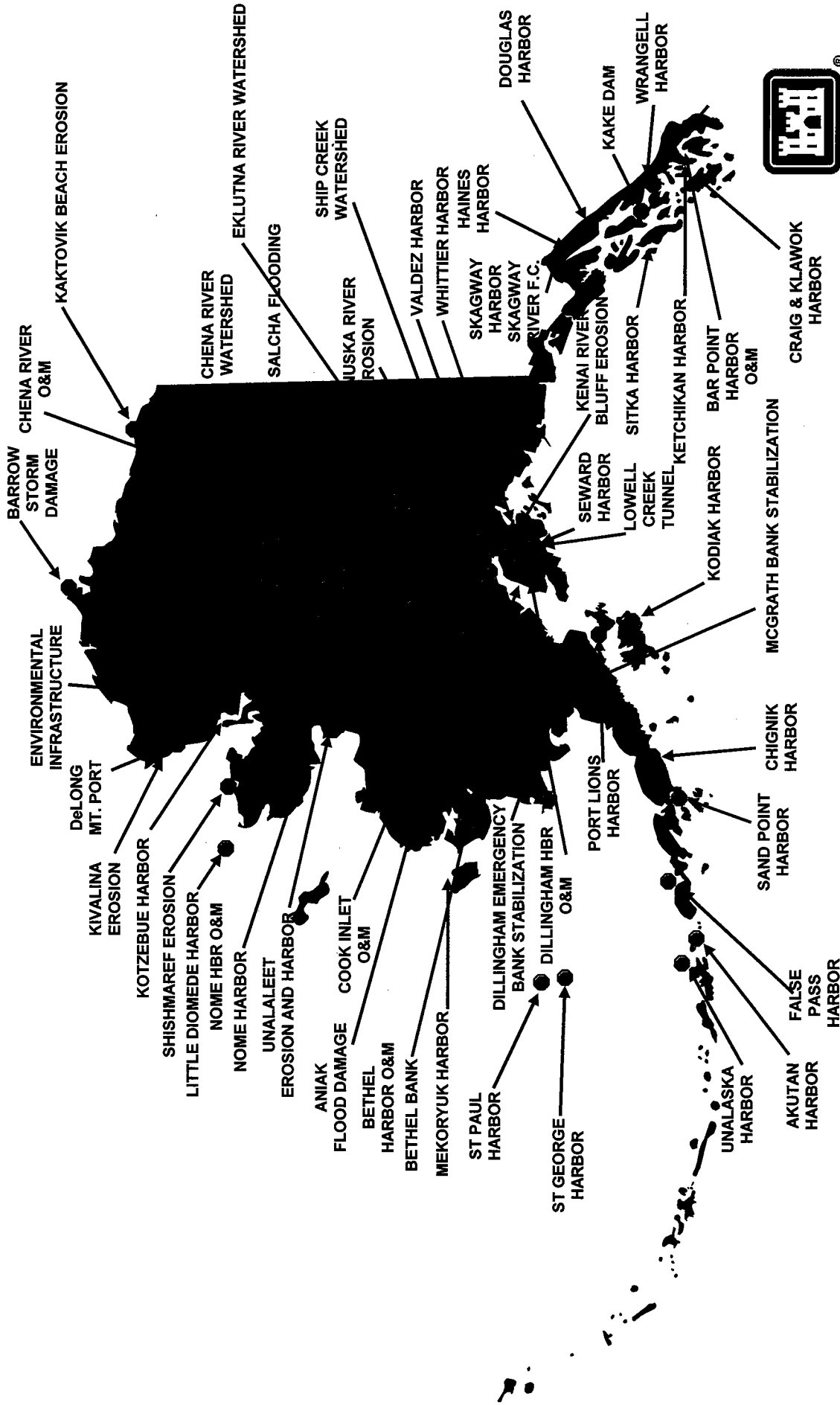
BUILDING STRONG®

## **FY13 MILCON PROGRAM**

- **FTR276 Brigade Combat Team Complex Barracks: Valued @ ~\$70M; DB**
- **JBER001 Brigade Combat Team Complex (2 x 4-Plex COFs): Valued @ ~\$50M; DBB**
- **FTR335 Modified Record Fire Range: Valued @ ~\$6M; DBB**
- **FTW360 Barracks: Valued @ ~\$50M; DB**
- **FTW370 Modified Record Range: Valued @ ~\$8M; DBB**
- **FTW371 Stryker BCT Complex Barracks: Valued @ ~\$50M; DB**
- **FTW373A Warm Storage Hangar: Valued @ ~\$35M; DB**
- **FTW373B COF: Valued @ ~\$8M; DB**
- **FTW373C Org Vehicle Parking: Valued @ ~\$2M; DBB**
- **FTW373D Demo of Hangars 2&3: Valued @ ~\$4M; DB**
- **FTW374A Battalion HQ w/ Classrooms: Valued @ ~\$10M; DB**
- **FTW374B Battalion HQ w/ Classrooms: Valued @ ~\$10M; DB**
- **FTW374C Duplex COF: Valued @ ~\$17M; DB**
- **EIE328 Enlisted Dorm: Valued @ ~\$40M; DB**
- **CLR027 Emergency Power Plant Fuel Storage: Valued @ ~\$10M; DB**



# ONGOING CIVIL WORKS PROJECTS

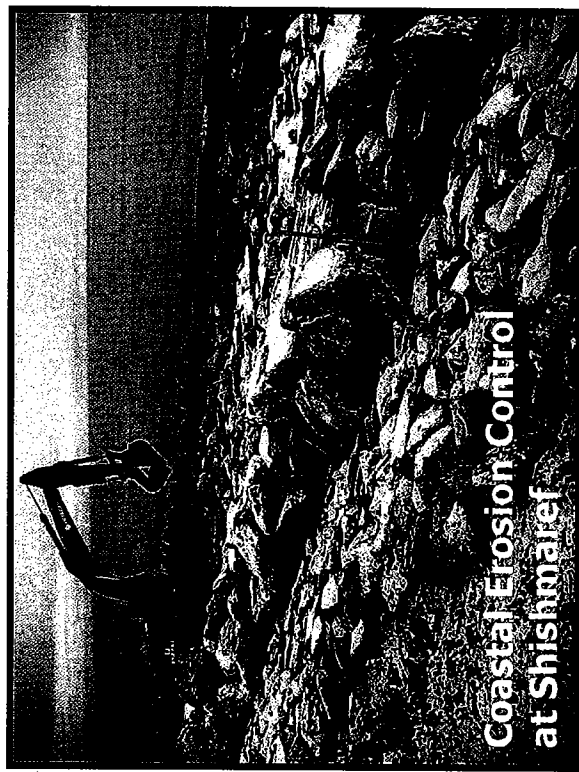
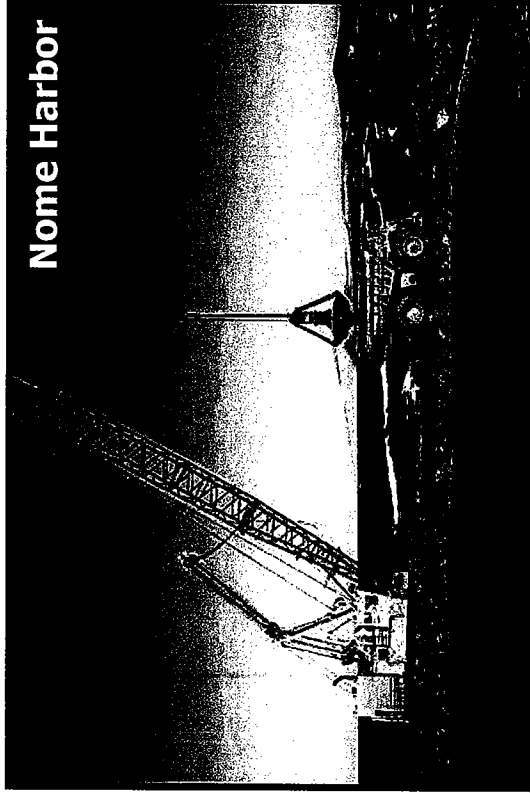
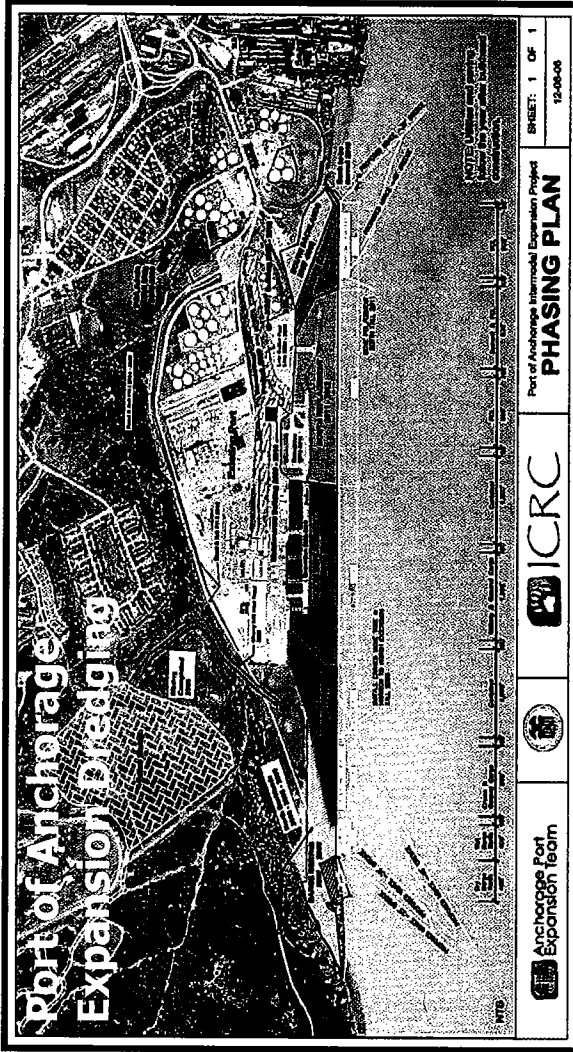


**BUILDING STRONG®**

# CIVIL WORKS PROJECTS

## Alaska Community Support

- Navigation
  - Ports/Harbors
  - Port of Anchorage Dredging
- Flood Risk Management
  - Erosion Control
- Emergency Response
- Recreation
- Water Supply
- Hydroelectric Power Generation




**BUILDING STRONG®**

# ENVIRONMENTAL PROGRAM

## FY11 – 143 Projects

- Formerly Used Defense Sites (FUDS): 50+ Properties
- Army Environmental: 33 Projects
- Air Force Environmental: 31 Projects
- International Interagency Support (IIS) Environmental: 8 Projects
- Environmental Support to Military Construction: 8 Projects
- Native American Lands Environmental Mitigation Program: 13 Cooperative Agreements

## FY12 – 137 Projects

- Formerly Used Defense Sites (FUDS): 50+ Properties
- Army Environmental: 30+ Projects
- Air Force Environmental: 30+ Projects
- International Interagency Support (IIS) Environmental: 7 Projects
- Environmental Support to Military Construction: 5 Projects
- Native American Lands Environmental Mitigation Program: 13 Cooperative Agreements 

# INTERAGENCY AND INTERNATIONAL SERVICES (IIS) PROGRAM

## FY11 – 39 Projects

- **Missile Defense Agency (MDA):  
11 Projects**
  - Fort Greely and Clear Air Station
- **NOAA National Environmental  
Satellite, Data and Information  
Service: 5 Projects**
- **DLA Energy and IIS Fuels:  
8 Projects**
- **Federal Aviation Administration  
(FAA): 3 Projects**
- **Denali Commission:  
12 Projects**
  - Barge Landing Facilities
  - Docks

## FY12 – 38 Projects

- **Missile Defense Agency (MDA):  
13 Projects**
  - Fort Greely and Clear Air Station
- **NOAA National Environmental  
Satellite, Data and Information  
Service: 4 Projects**
- **DLA Energy and IIS Fuels:  
5 Projects**
- **Federal Aviation Administration  
(FAA): 1 Project**
- **Denali Commission:  
15 Projects**
  - Barge Landing Facilities
  - Docks



**BUILDING STRONG®**

# HUMANITARIAN ASSISTANCE PROGRAM

## FY11 – 78 Projects

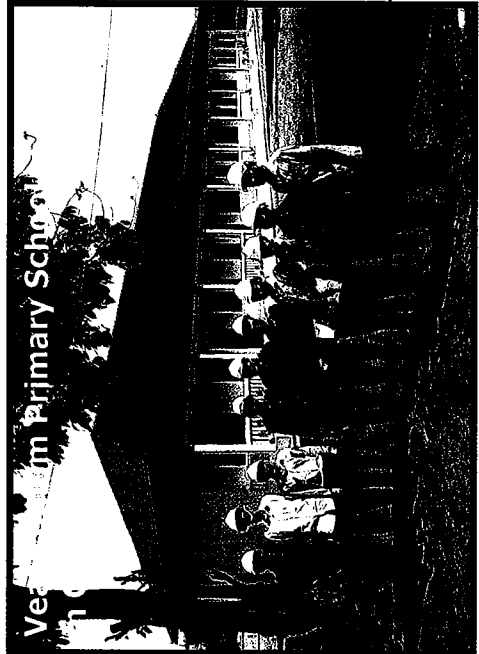
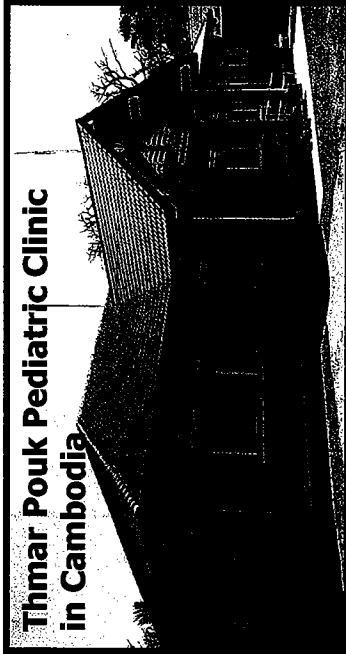
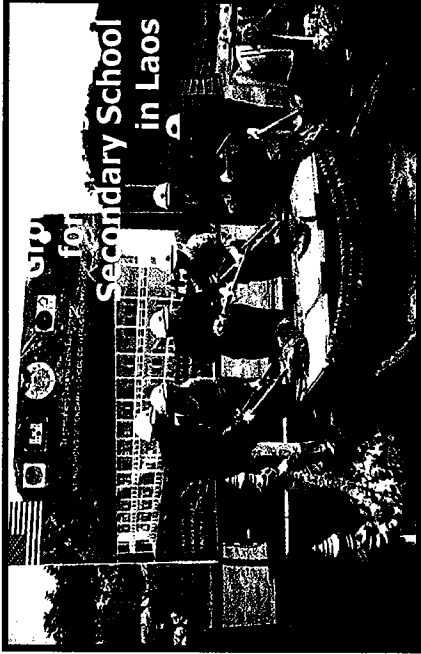
- **Humanitarian Assistance in Asia: 62 Projects**
    - 25 New Projects in Planning Phase
    - 37 Projects in Design/Construction Phase
- \* Vietnam, Cambodia, Laos, Bangladesh, and Sri Lanka
- **SOC/PACOM Maldives CCIF: 1 Project**
  - **USAID Shelters / Schools: 15 projects**
    - 70 projects @ \$40M over the next 3 years

## FY12 – 72 Projects

- **Humanitarian Assistance in Asia: 50+ Projects**
  - \* Vietnam, Cambodia, Laos, Bangladesh and Sri Lanka
- **SOC/PACOM Military Construction in Bangladesh: 2 Projects**
- **Repatriation of Japanese Remains from Attu: 1 Project**
- **USAID Shelters / Schools: 19 projects**
  - To be Designed/Constructed over the next 3 years

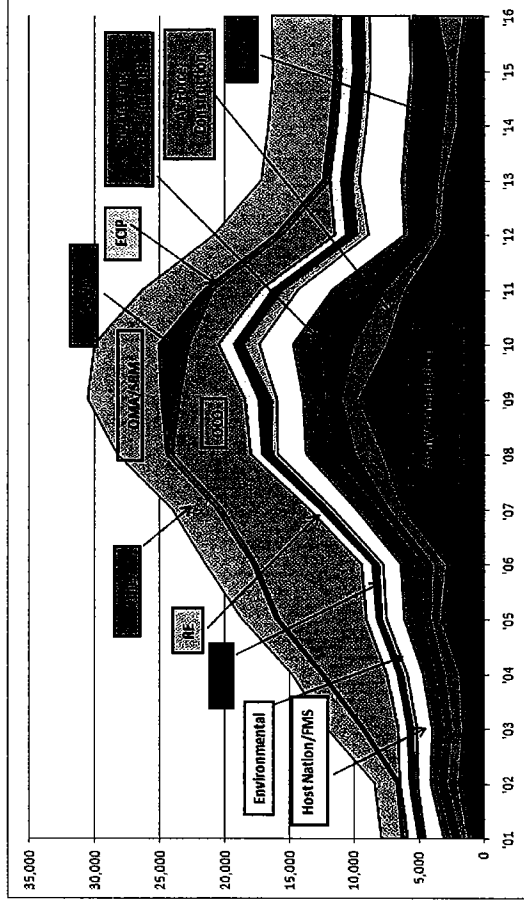


**BUILDING STRONG®**



# Program Trends

- **Military Construction: Strong thru FY13 then weakens substantially**
- **Civil Works: Weak w/ unknown outlook**
- **Environmental: Strong w/ growth potential**
- **Interagency & International Services: Strong w/ growth potential**
- **Humanitarian Assistance: Strong w/ growth potential**
- **Overall investment trend in terms of \$'s is down**



\* Dollar amounts in millions

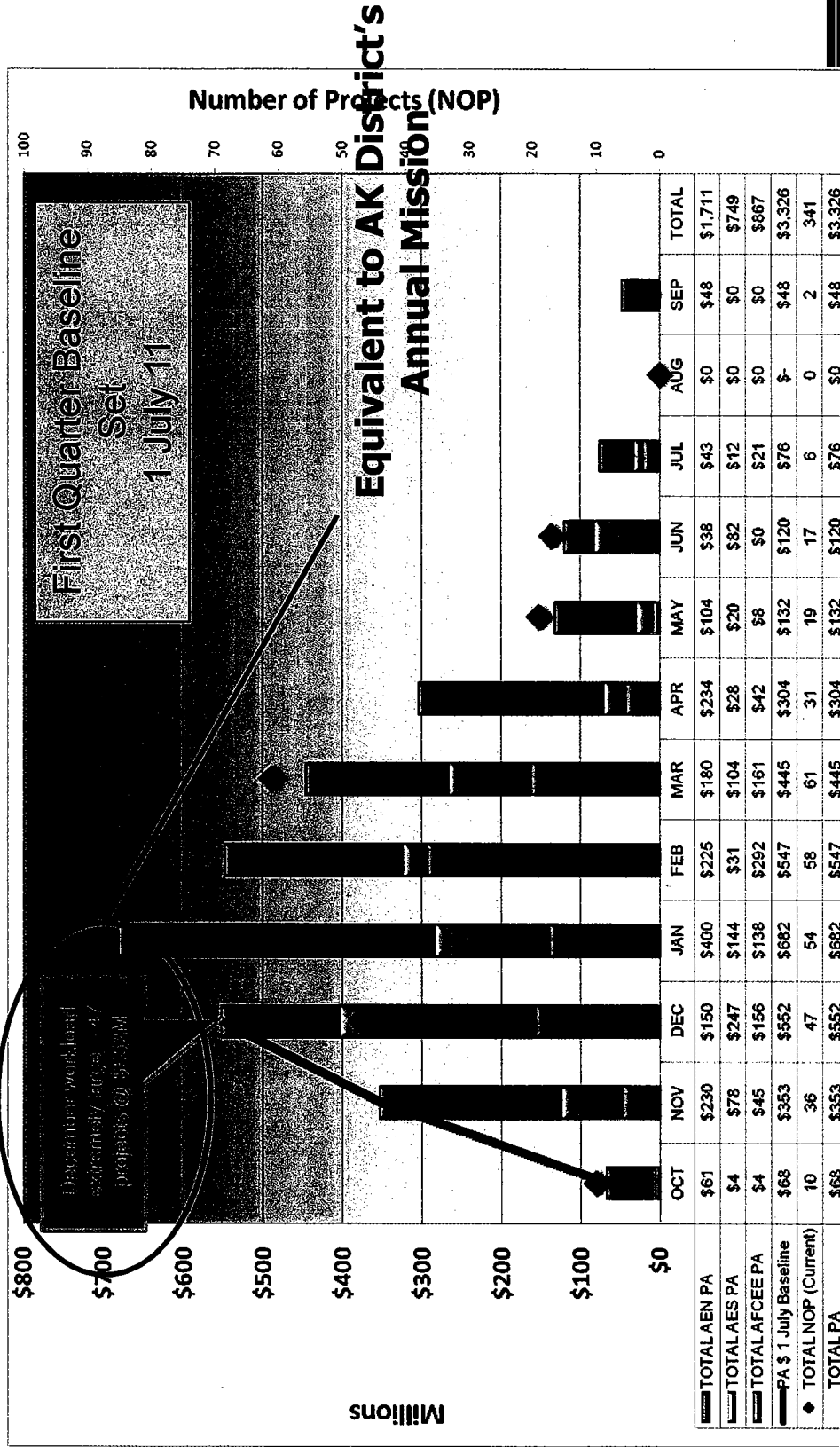
# Afghan National Security Forces

## A Sampling of Challenges    A Sampling of Opportunities

- Epic Workload
- Fielding of Forces vs. Construction Timelines
- Market Constraints with both Capability and Capacity
- Non-Permissive Primary GLOC
- Poorly Capitalized Afghan Contractors
- Access to Skilled Craft Labor
- Greater use of Strategic Depth of USACE and other Agencies
- Standard Designs
- Simplified Construction
- Strategic Sourcing
  - Reduce Lead Times
  - Improve Quality
  - Standard Equip
  - Spend US \$'s in US
- Expand/Diversify GLOCs Supporting Program



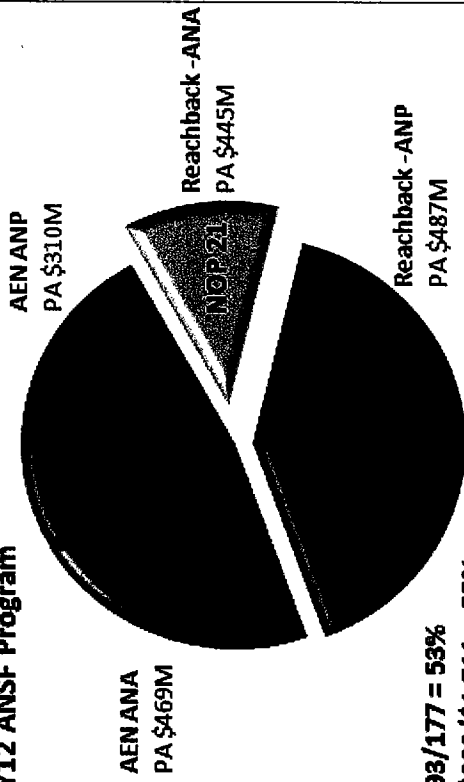
# Afghan National Security Forces



**BUILDING STRONG®**

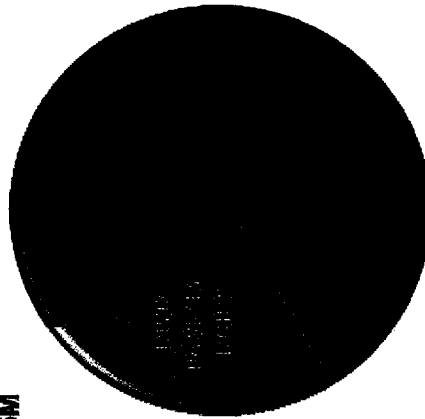
# Afghan National Security Forces

**AEN FY12 ANSF Program  
\$1.7B**

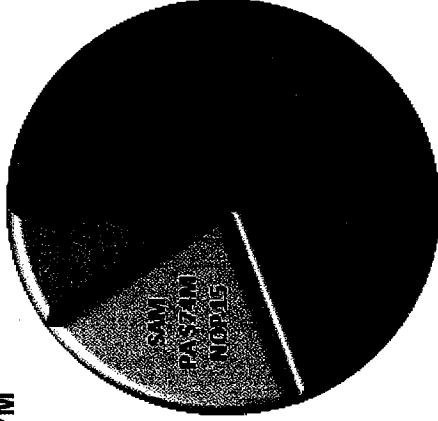


**NOP - 93/177 = 53%  
PA \$ - \$932/\$1,711 = 55%**

**FY12 ANA Reachback  
21 Projects, \$445M**



**FY12 ANP Reachback  
72 Projects, \$487M**



## Leverage Strategic Depth

**Eight (8) CONUS  
USACE Districts  
will execute  
53% of AEN  
Workload in  
FY12**

**AEN FY 12  
Reachback  
Workload - 93  
Projects/\$932M**

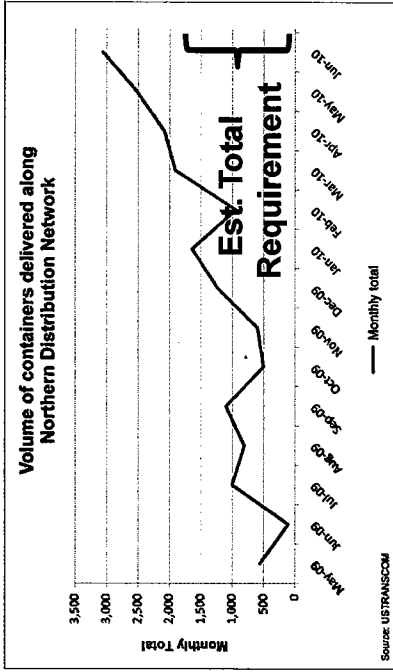
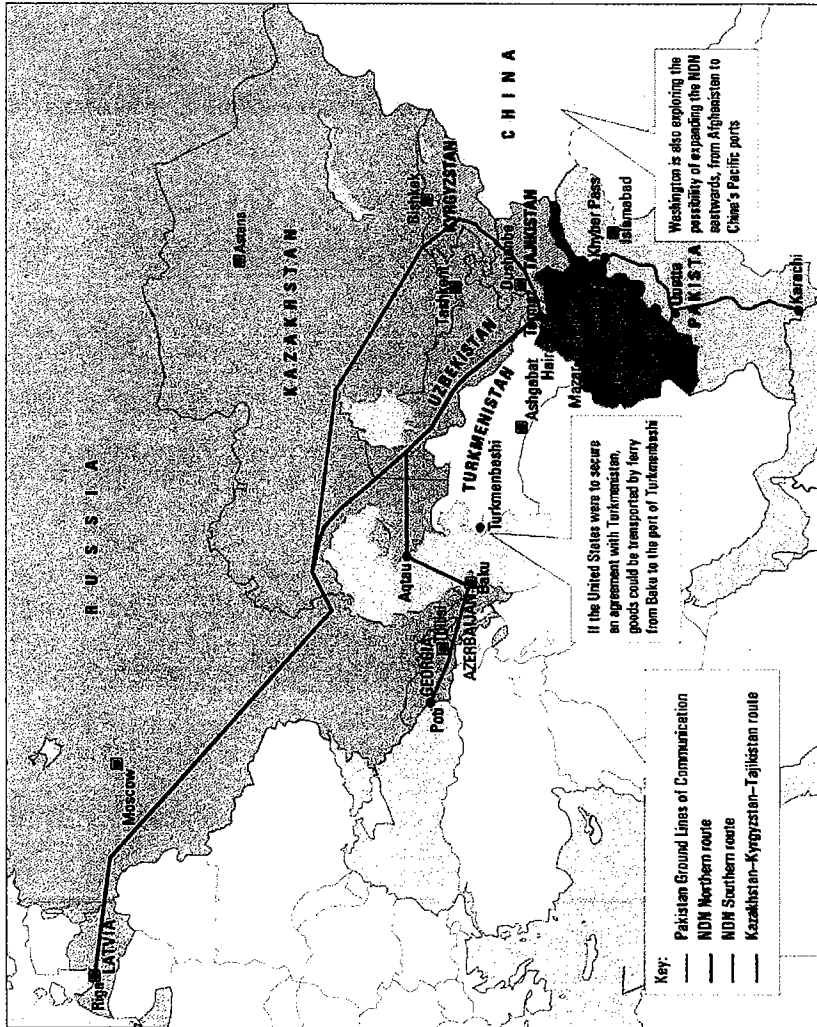


**BUILDING STRONG®**

# ANSF GFE/M CHALLENGE

*the NDN*

- GFE/M transported via NDN to MES where it will be consolidated
- Sufficient capability and capacity exists to transport GFE/M containers (~1000 @ 40ft) into MES and throughout the country
- Shipments will be phased, but details are unknown at inception
- **TSCP must be in place to "catch" GFE/M**
- In country shipment to project sites via Contractors
- Consistent w/ COMISAF Policy Directives



**BUILDING STRONG®**

# ANSF GFE/M Challenge

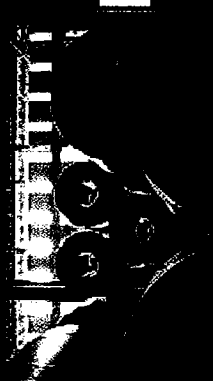
Steel Data to Date  
 - 30M+ lbs  
 - 7.6K Rolls  
 - 1,300 Miles

DLA Initiates Planning  
 USACE Provides Tech LNO's to DLA  
 Procurement Begins  
 TCSP In Afghanistan  
 started  
 USACE Solicits K-Span  
 Projects  
 DLA Begins shipping BOM  
 USACE Awards K-Span Projects  
 NTP Issued for construction  
 TCSP In Place  
 Contractor starts site  
 BOM Starts to Arrive via  
 BOM Arrives at Project  
 BOM Starts to Install  
 Contractor Starts to Install  
 GFE/M

## The Coiled Steel Conundrum



DLA Sources in US can produce 800 rolls per month, which is well below Demand signal



Waiver to Berry Amendment will be pursued to increase capacity to meet demand via additional sourcing in EU and CASA States



10K rolls will weigh ~28M lbs and will require ~700 40ft containers to ship

*All Long Lead Items will present similar Challenges*

# AFGHANISTAN CERP

## Commander's Emergency Response Program

- Very Unique Authorization/Appropriation by Congress
- AK District supporting USFOR-A/ISAF Strategic CERP efforts
- Projects for infrastructure that are generally <\$1M
- Execution methodology utilizes Afghan sources to maximum extent possible for Design, Construction and on-site CM/QA Oversight w/ USFOR-A COR

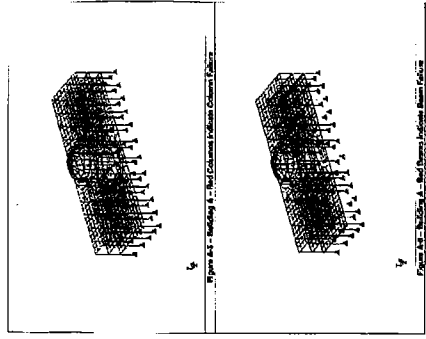
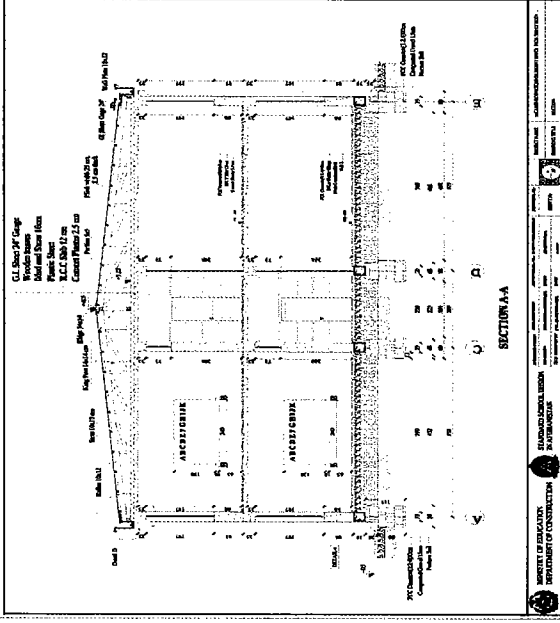
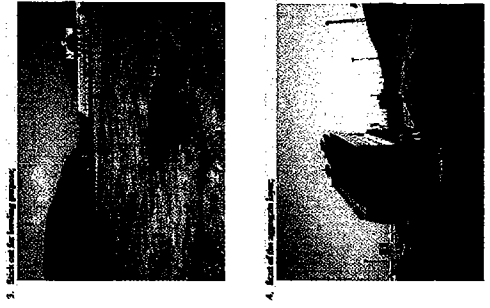
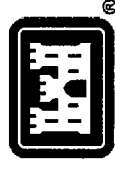


Figure A-2 - Reinforced Concrete Slab and Column Structure



3. Backfill for leveling area

4. Backfill for concrete form



BUILDING STRONG®



