Tri-Service Infrastructure Conference

"Re-Energizing Engineering Excellence"

2 August 2005

LTG Carl A. Strock
Commanding General
U.S. Army Corps of Engineers
Agenda

- Engineering Excellence – Our Foundation
- Military Programs – Opportunities
- Joint Initiatives
- Military Construction Transformation
- On the Horizon
Engineering Excellence
Our Foundation

- Engineering and Construction Management Capabilities
- People – Our Primary Investment
- COPs – They Must Succeed
- Balancing Execution to Maintain Capabilities - In House vs. Contracted
Military Programs – Opportunities

Multiple ‘Peaking’ Programs w/Critical Facilities Needs

Critical Questions… How much, when?

BRAC 05

SRM/BASOPS Restoration

Global Positioning Initiative

Army Modular Forces

Temp Bldgs

War On Terror Support

MILITARY WORKLOAD

NOW

OVER TIME
Joint Basing

- Tremendous Opportunity for DoD
- How Will it Work? - In Progress
- USACE Will be Part of the Solution
Joint Engineering Initiatives

- Unified Design Criteria
- Multi Agency CADD / GIS Standards
- Sustainable Design
- Civil Works Applications
  - Total Watershed Planning to include; Federal, Tribal, State and Local Agencies and the Private Sector
Military Construction
Transformation

- Planning / Programming
- Standards & Criteria
- Acquisition / Execution
On the Horizon

- Focus on Regional Business Center
- Increased Joint, Interagency and Private Sector Cooperation
- Leverage R&D Capabilities
- More Emphasis on Leader Development
Tri-Service Infrastructure Conference

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Backup slides
**BRAC 2005**

- **MILCON**
  - Planning Charrettes & Master Planning
  - Design & Construction
- **Real Estate**
  - Agent for Army
  - Screening, Evaluations, Disposal
- **Environmental**
  - Environmental Survey / Assessment Of Property
  - Cleanup
Civil Works – Update

- Civil Works Strategic Plan
- Water Resources Development Act
- Performance Based Budgeting
Support to U.S. Forces
Support to the Iraqi / Afghan Government
Support to USAID

114 Military
509 Civilian
222 Iraqis
+ Contractors

Total = $6.7B

25 Military
100 Civilian
+ Contractors

Total = $880M

GRD / AED Program

Gulf Region Division Boundaries (GRD)

Afghanistan Engineer District (AED)
BRAC 2005
USACE Support To Army

- MILCON
  - Planning Charrettes & Master Planning
  - Design & Construction

- Real Estate
  - Agent for Army
  - Screening, Evaluations, Disposal

- Environmental
  - Environmental Survey / Assessment Of Property
  - Cleanup
FY05 DoD Supplemental ($1.34 B)

- **Iraq**
  - $537 M (MILCON)
  - $354 M (CERP) GRD may execute some portion

- **Afghanistan**
  - $69.5 M (MILCON)
  - $285 M (ANA Infrastructure)

- **Kuwait** - $50.75 M (MILCON)

- **UAE** - $1.4 M (MILCON)

- **Uzbekistan** - $42.5 M (MILCON)
MILCON Transformation

MILCON Barracks (1+1) ➞ Private Industry Apart. (-20%)
$168/SF, Scope: 99,500 SF
(OSD Unit Cost)

Tactical Maint Facilities ➞ Hvy Equip Maint Fac (-10%)
$159-170/SF, Scope: 25-30kSF
(OSD Unit Cost)

Projected cost savings 10-20%
Projected time savings 20-30%

Approx. $1.5 B
(over 5 yrs)

Commercial vs. “Bunker” Standards
• WRDA 2005 introduced in Senate (S. 728)
  • Workable “process improvements” (AKA Corps Reform)
  • Louisiana Coastal Area Ecosystem Restoration
  • Navigation improvements and ecosystem restoration for Upper Mississippi River-Illinois Waterway

• House version pending
Civil Works Continuing Contracts

- High priority project funding trend
- Expect no change to contracts clause
- A contracting tool – used sparingly
- Requires HQ USACE approval
- Discussions ongoing
Competitive Sourcing Program
(“A-76 Public-Private Competition”)

Overall program: 7,500 positions though FY08

- Three competitions well underway:
  - Corps-wide IM/IT function – 1,300 positions
  - DPW at two locations – 44 positions
  - Finance Center Data Entry function one location– 80 positions

$450 M Annually
US Ports & Waterways convey > 2B Tons Commerce
Foreign Trade alone creates > $160 B Tax Revenues

Recreation areas
376 M Visitors/yr
Generate $15 B in economic activity,
500,000 jobs

400 miles of Shore protection
Destination for 75% of U.S. Vacations

⅛ of Nation’s Hydropower:
$500 M + in power sales

11,000 miles of Commercial Inland Waterways:
½ the cost of rail
1/10 the cost of trucks

299 Deep Draft Harbors

627 Shallow Draft Harbors

8500 Miles of Levees

Stewardship of 11.7 Million Acres Public Lands

Emergency Operations

Environmental Restoration

Regulatory Responsibilities

- 299 Deep Draft Harbors
- 627 Shallow Draft Harbors
- 8500 Miles of Levees
- Stewardship of 11.7 Million Acres Public Lands
- Emergency Operations
- Environmental Restoration
- Regulatory Responsibilities
The US Army Corps of Engineers

One Corps Serving the Armed Forces and the Nation

Spectrum of USACE Operations

- **WATER RESOURCES**: Creating synergy between water resource development and environment
- **ENVIRONMENT**: Restoring, managing and enhancing ecosystems, local and regional
- **INFRASTRUCTURE**: Building and sustaining the critical facilities for military installations and the public
- **HOMELAND SECURITY**: Preparing for & responding to local, national & global disasters & terrorist attacks
- **WARFIGHTING**: Providing full spectrum engineering and contingency support

**WAR** to **PEACE**

**WAR** PEACE

INFRASTRUCTURE

Building and sustaining the critical facilities for military installations and the public

WATER RESOURCES

Creating synergy between water resource development and environment

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FY 06 Civil Works Budget

by Business Program

Navigation
$1,713 M 38%

Flood & Storm Damage Reduction
$1,075 M 24%

Environment & Regulatory
$906 M 20%

Hydropower
$264 M 6%

Recreation
$266 M 6%

Exec. Dir. & Mgmt.
$162 M 3%

Other
$46 M 1%

Water Supply
$2 M 0.05%

Total = $4,513 M
Trends

- Performance based budgeting – “efficient funding of fewer projects”
- Comprehensive approach (watershed)

Outlook

- Continued “flatline” funding resulting in overall less buying power

FY06 CW Pres Budget = $4.5 B
**FY06 Military Programs Budget**

Total = $13.3B

- **Global War on Terrorism**: $3,100M
- **OMA**: $782M
- **Others**: $405M
- **Environmental**: $370M
- **Foreign Military Sales**: $410M
- **Engineering**: $1,162M
- **Defense Agency**: $1,227M
- **Army**: $2,725M
- **USAF**: $2,292M
- **Host Nation/NATO**: $856M

*Note: Environmental does not include Superfund or FUSRAP.*

As of Mar 05
**FY05 USACE Program**

**Military Programs**

Total $16,122 M

**Trends**

- Total Military Construction (MILCON) at $3.6B is slight increase from FY04 ($3.5B)
- War On Terror (WOT) at $6.0B is significant increase from FY04 ($4.9B)

**Outlook**

- Continued support to BRAC 05 and Global Posturing Initiative (GPI), Army Modular Force
  - Commercial Industry Standards & Criteria (facilities & acquisition)
  - Manufactured buildings (not re-locatable structures)
U.S. Army Corps of Engineers

One Team Serving the Armed Forces and the Nation

Spectrum of USACE Operations

Water Resources → Environment → Infrastructure → Homeland Security → Warfighting → Corps Vision

PEACE → WAR