Building and Preserving Alaska’s Future

An Overview: USACE Missions, Project/Funding Process

Stephen C. Boardman, P.E.
Chief, Civil Project Management Branch
Alaska District
U.S. Army Corps of Engineers
August 10, 2010
MISSION
The Alaska District provides a full spectrum of quality engineering, technical and construction support services in support of peacetime and contingency operations in Alaska, throughout the Pacific Region and the world.
MAJOR PROGRAMS

MILITARY

Hangar construction at Elmendorf AFB

CIVIL WORKS

Rock placement in Wrangell Harbor

ENVIRONMENTAL & SPECIAL PROJECTS

Removal action at Tanaga Island

REGULATORY

Wetlands assessment in Mat-Su Valley
CIVIL WORKS PROJECTS

Alaska Community Support
- Navigation Improvements
- Ports/Harbors
  - Port of Anchorage Dredging
- Flood Risk Reduction
- Erosion/Coastal Storm Control
- Recreation
- Emergency Response
- Hydroelectric Power Generation
- Water Supply

Port of Anchorage Expansion

Nome Harbor

Coastal Erosion Control at Shishmaref
ONGOING CIVIL WORKS PROGRAM

- Number of Civil Works Projects:
  - 106 Total
  - 59 Active Projects
    - 24 in Study Phases (6 Recon, 18 Feasibility)
    - 16 in Project Phases (1 PED, 15 Construction)
  - 19 Activities within O&M Account
  - 47 Inactive Projects
    - Lack of either Federal or Local Funds
    - Lack of Authority
    - Lack of Current Local Interest
CORPS CIVIL WORKS AUTHORITIES

NAVIGATION
- CONGRESSIONALLY AUTHORIZED
- CAP Section 107 (SMALL NAVIG)
- CAP Section 3 (CLEARING & SNAGGING)

FLOOD RISK MANAGEMENT
- CONGRESSIONALLY AUTHORIZED
- CAP Section 205 (SMALL PROJECT)

HURRICANE AND STORM DAMAGE REDUCTION
- CONGRESSIONALLY AUTHORIZED
- CAP Section 103

EROSION PROTECTION (SEC 14)

SECTION 116
- ALASKA COASTAL EROSION PROGRAM

ECOSYSTEM RESTORATION AND PROTECTION
- Section 1135
- Section 206

PLANNING ASSISTANCE TO STATES

TRIBAL PARTNERSHIP

ALASKA INFRASTRUCTURE (SEC 570)
HOW DO I GET A PROJECT STARTED?
HOW DO WE GET A PROJECT?

- CONGRESSIONALLY AUTHORIZED
  - ASK CORPS
    - BUDGET REQUEST ANNUALLY FOR NEW STARTS
  - ASK CONGRESSIONAL DELEGATION
    - CONGRESSIONAL INSERTS
- CONTINUING AUTHORITIES PROGRAM (CAP) (Limited $$)
STEPS TO A PROJECT

- RECON PHASE (905b ANALYSIS) (100% Federal Cost)

- FEASIBILITY PHASE (Cost Shared)
  - CONGRESSIONAL or CHIEF OF ENGINEERS AUTHORIZATION
  - WRDA

- PRECONSTRUCTION ENGINEERING AND DESIGN (Cost Shared)

- CONSTRUCTION (Cost Shared)
FUNDING PROCESS

ANNUAL BUDGET REQUESTS (18 Months in Advance)

Submitted by District (May BY-2)
Reviewed by Higher HQS (Jun – Sep BY-2)
Racked and Stacked Nationally (Sep – Oct BY-1)
Approved by OMB for inclusion in President’s Budget (Nov-Dec BY-1)
Submitted to Congress on 1st Monday in February of BY-1.

And then the fun begins.

CONGRESSIONAL REVIEW AND INQUIRIES leading hopefully to an Appropriations Act in September
FUNDING REALITIES

Congressionally imposed ceiling for each appropriation (National Level)

Headquarters imposed ceilings for each Division/District for each account

- Corps is project funded.
- Must have matching funds from a Local Sponsor.
- Most data collection is project specific.
- Limited existing engineering and hydrologic/hydraulic data.
- Limited authority to obtain generic data.
Civil Works Funding Summit Program
Trends/Projections
Total GI, CG & Cost Share

ARRA Carried In
ARRA Appropriated
Supplemental
Carried In
 Appropriations
Alaska District Civil Works Program FY00 – FY10

Alaska District
Total Budget vs. Appropriated

Fiscal Year

$000

POA Total BUDGET
POA Total APPROPRIATED

FY00 FY01 FY02 FY03 FY04 FY05 FY06 FY07 FY08 FY09 FY10

Fiscal Year

BUILDING STRONG®
Civil Works Funding Summit Program
Trends/Projections
Investigations

ARRA Carried in
ARRA Appropriations
Carried In
Appropriations
Civil Works Funding Summit Program

Trends/Projections

Construction

<table>
<thead>
<tr>
<th>Year</th>
<th>ARRA Carried in</th>
<th>ARRA Appropriations</th>
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Alaska District Civil Works Program FY00 – FY10
CONSTRUCTION

Alaska District
Construction Budget vs. Appropriated

Fiscal Year

$000

FY00 FY01 FY02 FY03 FY04 FY05 FY06 FY07 FY08 FY09 FY10

BUDGET APPROPRIATED

BUILDING STRONG®
Civil Works Funding Summit Program
Trends/Projections
O&M

ARRA Carried in
ARRA Appropriations
Carried In
Appropriations
Alaska District Civil Works Program FY00 – FY10
OPERATIONS AND MAINTENANCE

Alaska District Operations & Maintenance

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<th>Fiscal Year</th>
<th>FY00</th>
<th>FY01</th>
<th>FY02</th>
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- POA Operations & Maintenance BUDGET
- POA Operations & Maintenance APPROPRIATED
Civil Works Funding Summit Program
Trends/Projections
General Investigations

- **Priority GI Projects:**
  - Alaska Regional Ports
  - Anchorage Harbor Deepening
  - Little Diomede
  - Valdez
  - Matanuska Watershed
  - Homer
  - Whittier
  - Yakutat
  - Haines
  - Kenai River Bluff
Civil Works Funding Summit Program
Trends/Projections
Construction General

- Priority CG Projects:
  - Akutan
  - Unalaska
  - Buckland
  - Alaska Coastal Erosion (Unalakleet, Kivilina)
  - St. Paul
  - Chena River Lakes Project
  - Seward
  - Chignik
  - Sitka
  - Dillingham EBS
Civil Works Funding Summit Program
Trends/Projections
Continuing Authorities Program

- Priority CAP Projects:
  - Black Lake 206
  - Savoonga 107
  - Elim 107
  - Douglas 107
  - Eklutna 206
  - Auke Bay 107
  - Old Harbor 107
  - Nelson Lagoon 103
  - Northway 206
  - Shaktoolik 103
Civil Works Funding Summit Program
Trends/Projections
O&M

- Priority O&M Projects:
  - Anchorage Harbor
  - Homer
  - Chena Lakes
  - Dillingham
  - Kodiak St. Paul Harbor
  - Ninilchik
  - Petersburg
  - PCS
  - Bethel
  - Lowell Creek Tunnel
Special Laws that Supported Data Collection

- **Sec. 112 Alaska Villages Erosion Technical Assistance (AVETA) Report.**
  - Completed April 2006

- **Sec. 203 Tribal Partnership Alaska Village Erosion Activities**
  - Erosion Baseline General Study -- Provides the basis of information for future consideration.
    - Survey of Coastal & Riverine Villages
    - Develop prioritized grouping for more detailed assessments based on risk of erosion
    - Report Completed March 09.
  - Data Collection Study
    - Wave Hindcast Study at the Corps’ Coastal Hydraulics Lab (ERDC-CHL)
    - West Coast Storm Surge Study (ERDC-CHL)
FY10 Tribal Partnership
Planned Execution Summary

Funding:

- Carryover from FY09: $223K
- FY10 Funding: $293K
- Total Available: $516K

- $59K—Expended for data gathering in 1st quarter FY10.
- $250K—Kaktovik Cultural Resources Study (this is an approved General Study.)
- $80K—Data Gathering (funds to go to CHL for additional wind data and more runs on the surge study)
- $20K—Labor for H&H
- $20K—PM to develop agreements

TOTAL: $429K

(Remaining $87K is being held for FY11 expenses with the Kaktovik Cultural Resources Study and for additional contingencies.)
Rock Quarry Update
(Subset of AK Regional Ports)

- **Purpose:** Determine what the State and Federal government can do to encourage feasible projects. Report will provide decision-makers with sufficient information to determine way forward.

- Accomplished so far:
  - Developed initial scope of work
  - Executed FCSA with ADOT/PF

- Work products:
  - Rock quarry investigation report (USACE)
  - Community clustering study (State)
REGULATORY PROGRAM

• Mission – to protect the Nation’s aquatic resources, while allowing reasonable development through fair, flexible and balanced permit decisions.

• Authorities
  – Section 10 Rivers and Harbors Act of 1899
  – Section 404 Clean Water Act (1972)
  – Section 103 Marine, Protection, Research and Sanctuaries Act (1972)

• Corps of Engineers in Alaska
  – Largest district in nation (geographically)
    * 43% of state is wetlands
    * 3 million lakes
    * 15 million miles of potentially navigable waterways
  – 2nd largest regulatory branch in nation
    * 65 employees
QUESTIONS?

Stephen C. Boardman, P.E.
Chief, Civil Project Management Branch
Alaska District
U.S. Army Corps of Engineers

“Building and Preserving Alaska’s Future”
### Civil Works Funding Summit Program Trends/Projections

**Total CW Funds Non-ARRA**

<table>
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<tr>
<th>Year</th>
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<th>Carried In</th>
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<tr>
<td>FY2010</td>
<td>110,000,000</td>
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- The chart shows the breakdown of Appropriations and Carried In funds for each fiscal year from FY2004 to FY2010.
- The data indicates a trend of increasing Appropriations with slight variations in Carried In funds across the years.
- FY2008 shows the highest Appropriations with a significant increase compared to previous years.
Civil Works Funding Summit Program
Trends/Projections
IIS
FY10 TOTAL PROGRAM

- Military Construction: 19 Projects @ $341.2M
- Civil Works: 28 Activities @ $102.7M
- Environmental: 215 Projects @ $87.3M
- Interagency & International Services: 88 Projects @ $95.8M
- Total: 350 Projects / Activities @ $627.0 Million

* Dollar amounts in millions
FY11 TOTAL PROGRAM

- Military Construction: 12 Projects @ $391.5M
- Civil Works: 64 Projects / Activities @ $85.7M
- Environmental: 147 Projects @ $80.0M
- Interagency & International Services: 40 Projects @ $55.0M
- Humanitarian Assistance: 33 Projects @ 17.0M
- Total: 296 Projects / Activities @ $629.2 Million

* Dollar amounts in millions
## CW Program Funding (000’s)

<table>
<thead>
<tr>
<th></th>
<th>Carry Over from FY09</th>
<th>FY10 Funding</th>
<th>Available Funds</th>
<th>Scheduled Obligation</th>
<th>Carry In to FY11</th>
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<td>GI (includes Tribal Partnership Program and remaining funds)</td>
<td>5,512.7</td>
<td>1,243.5</td>
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<td>12,271.1</td>
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* Operations is planning on de-obligating available funds on final completed contracts in order to reapply those funds to current year obligations.
FY11 CIVIL WORKS PROGRAM

63 Projects / Activities @ $79.4 Million

- 27 Studies (Ongoing) $ 2.3M
- 10 Construction Projects (1 New) $45.5M
- 12 Continuing Authorities Projects $ 0.5M
- 12 Operations & Maintenance Activities $23.0M
- Flood Control and Coastal Emergencies $ 0.4M
- Regulatory $ 7.7M

* Funded by Appropriations Acts and Local Sponsor Contributed Funds
Alaska is 1/5 the size of the lower 48