

Building and Preserving Alaska's Future

An Overview: USACE Missions, Project/Funding Process

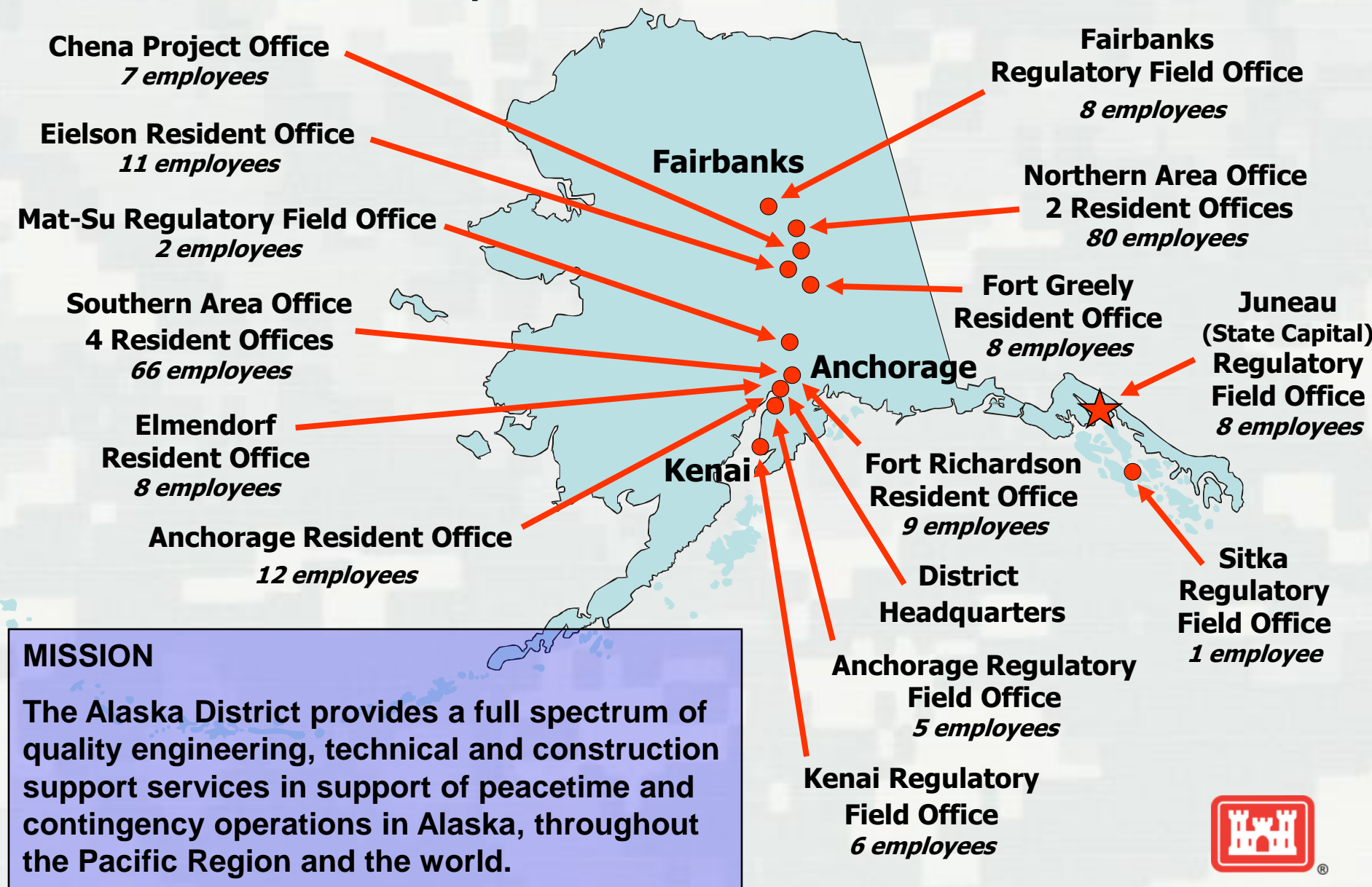
Stephen C. Boardman, P.E.
Chief, Civil Project
Management Branch
Alaska District
U.S. Army Corps of Engineers
August 10, 2010



US Army Corps of Engineers
BUILDING STRONG®



ALASKA DISTRICT, U.S. ARMY CORPS OF ENGINEERS



BUILDING STRONG®

MAJOR PROGRAMS

MILITARY

Hangar construction at Elmendorf AFB



CIVIL WORKS

Rock placement in Wrangell Harbor



Removal action at Tanaga Island



Wetlands assessment
in Mat-Su Valley



REGULATORY



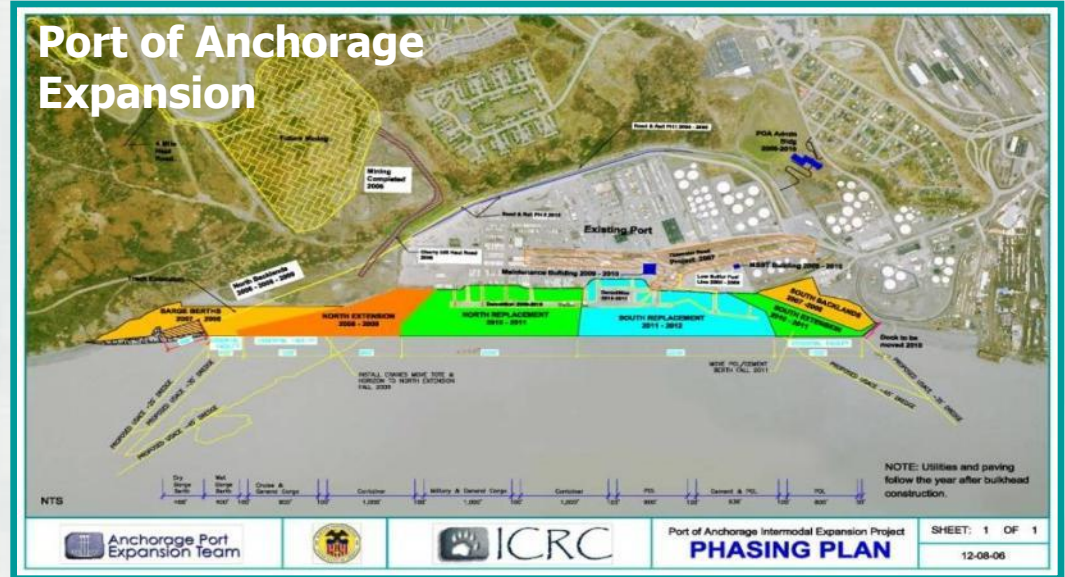
ENVIRONMENTAL & SPECIAL PROJECTS

BUILDING STRONG®

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



Nome Harbor



Coastal Erosion Control at Shishmaref



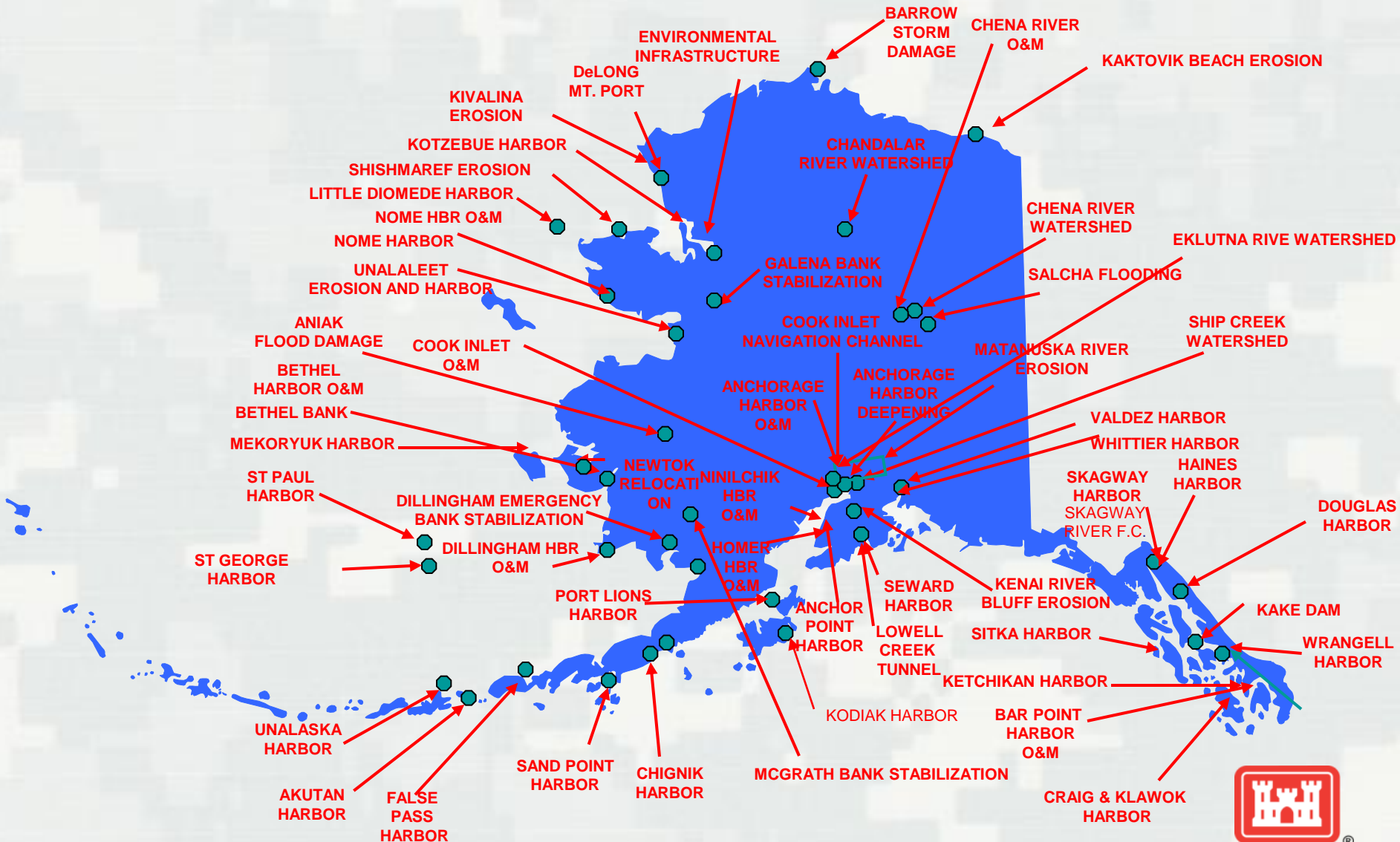
BUILDING STRONG®

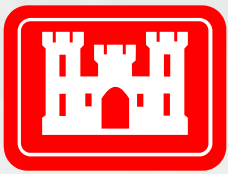
ONGOING CIVIL WORKS PROGRAM

- **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**



ONGOING CIVIL WORKS PROJECTS





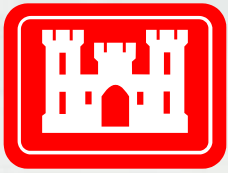
CORPS CIVIL WORKS AUTHORITIES



AK ALASKA DISTRICT

- **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)**





PROJECT PROCESS

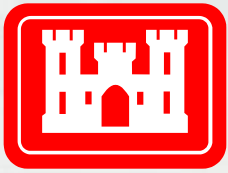
AK ALASKA DISTRICT



HOW DO I GET A PROJECT STARTED?



BUILDING STRONG®



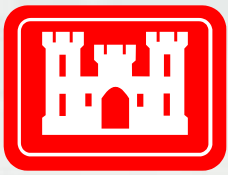
HOW DO WE GET A PROJECT?

AK ALASKA DISTRICT



- CONGRESSIONALLY AUTHORIZED
 - ▶ ASK CORPS
 - BUDGET REQUEST ANNUALLY FOR NEW STARTS
 - ▶ ASK CONGRESSIONAL DELEGATION
 - CONGRESSIONAL INSERTS
- CONTINUING AUTHORITIES PROGRAM (CAP) (Limited \$\$)





STEPS TO A PROJECT

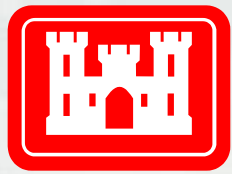
AK ALASKA DISTRICT



- **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)**



BUILDING STRONG®



FUNDING PROCESS

AK ALASKA DISTRICT



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)

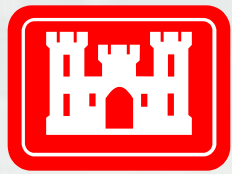
Submitted to Congress on 1st Monday in February of BY-1.

And then the fun begins.

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



BUILDING STRONG®



FUNDING REALITIES

AK ALASKA DISTRICT



**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.

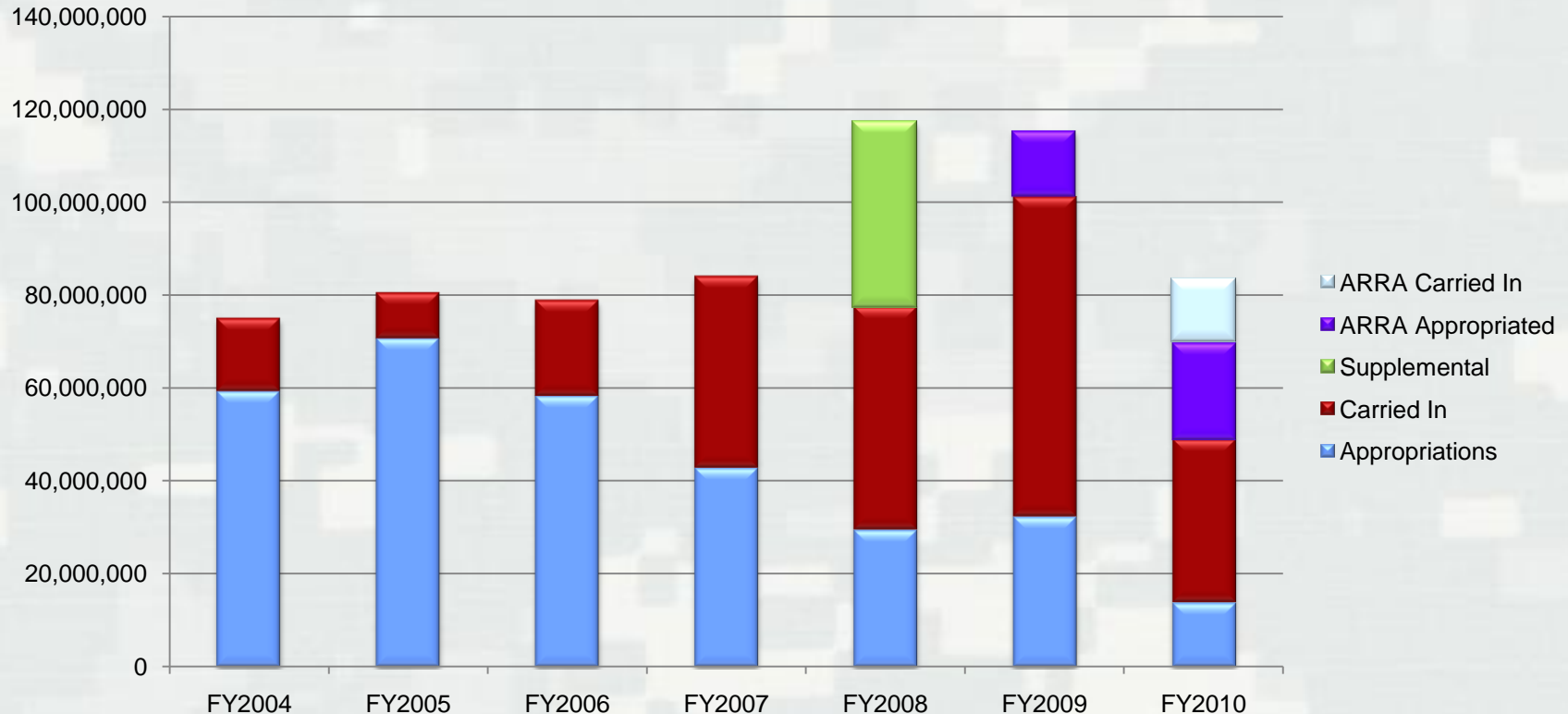


BUILDING STRONG®

Civil Works Funding Summit Program

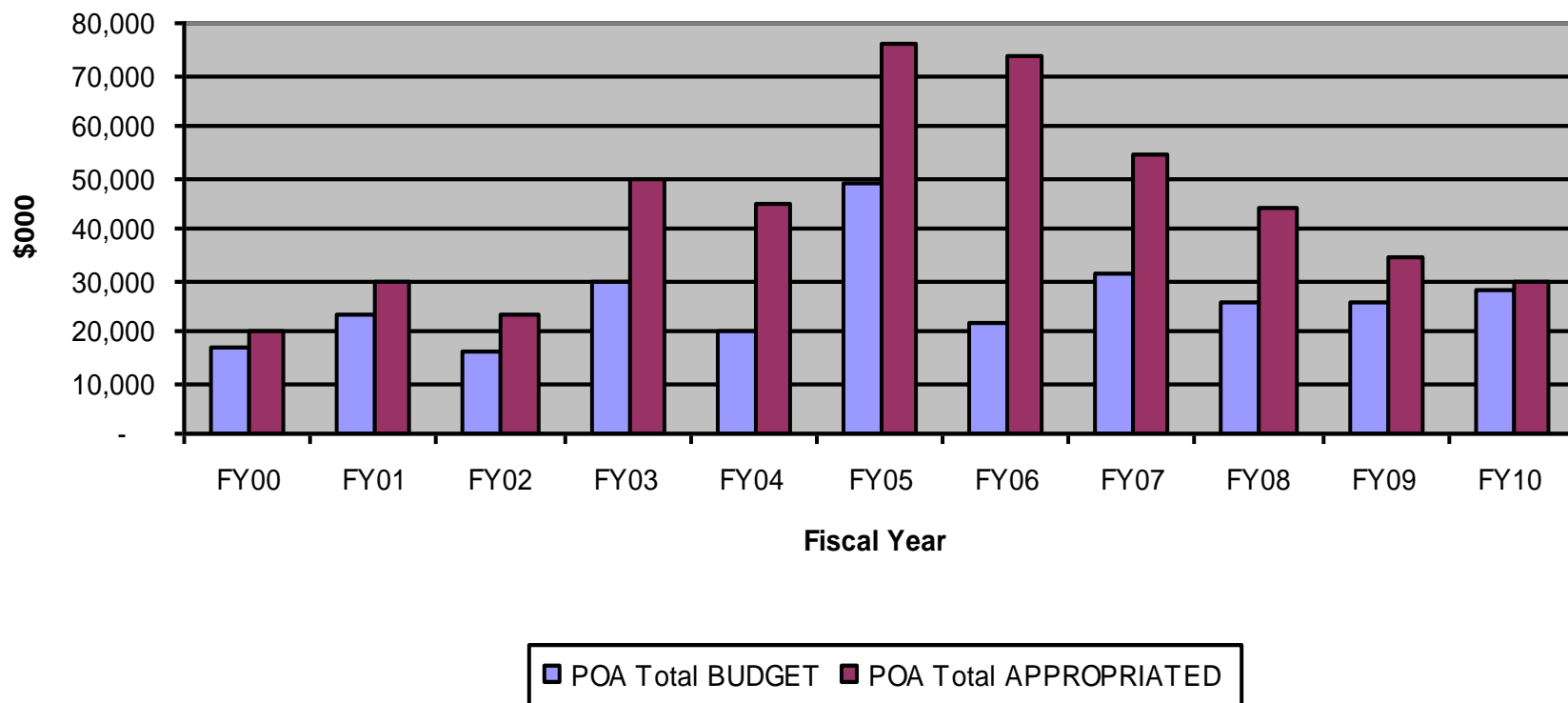
Trends/Projections

Total GI, CG & Cost Share



Alaska District Civil Works Program FY00 – FY10

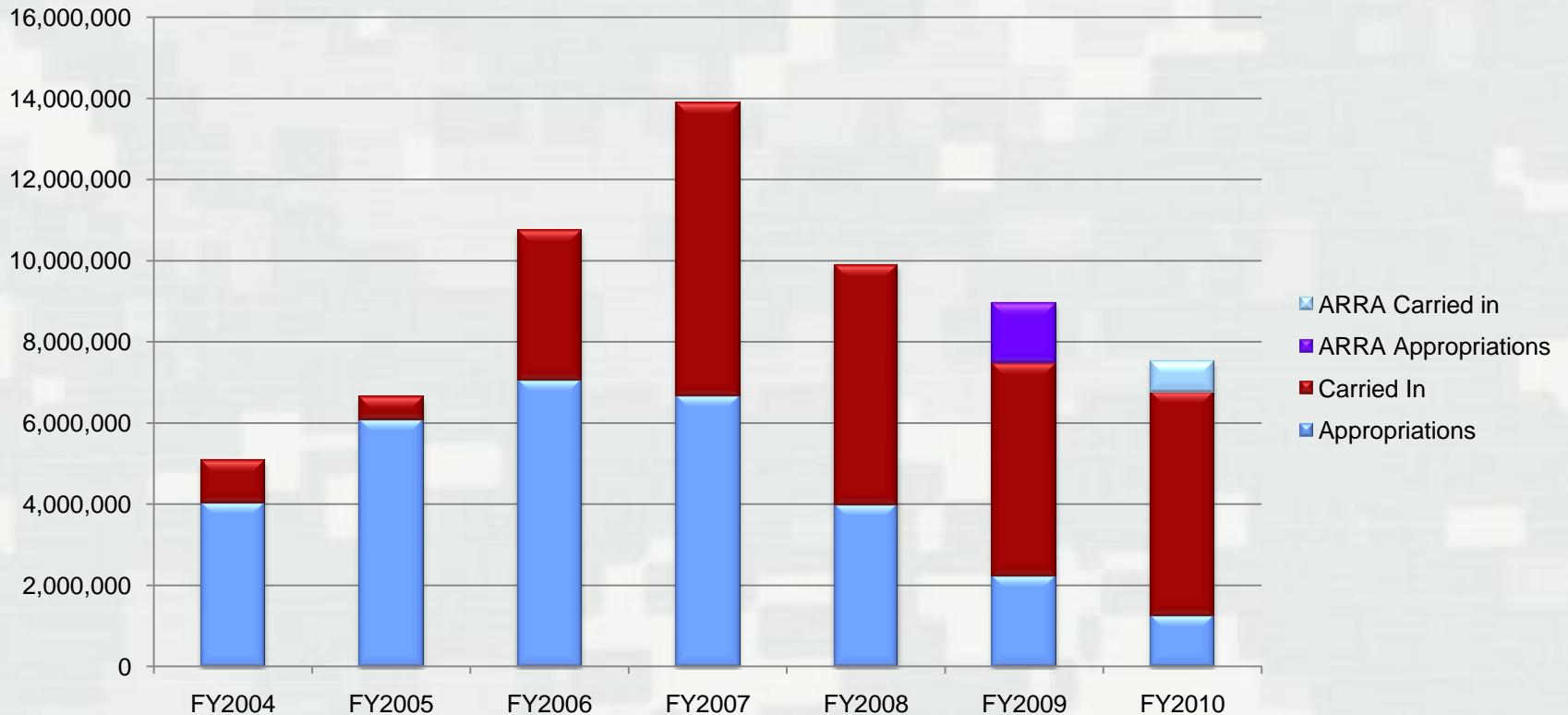
Alaska District
Total Budget vs. Appropriated



Civil Works Funding Summit Program

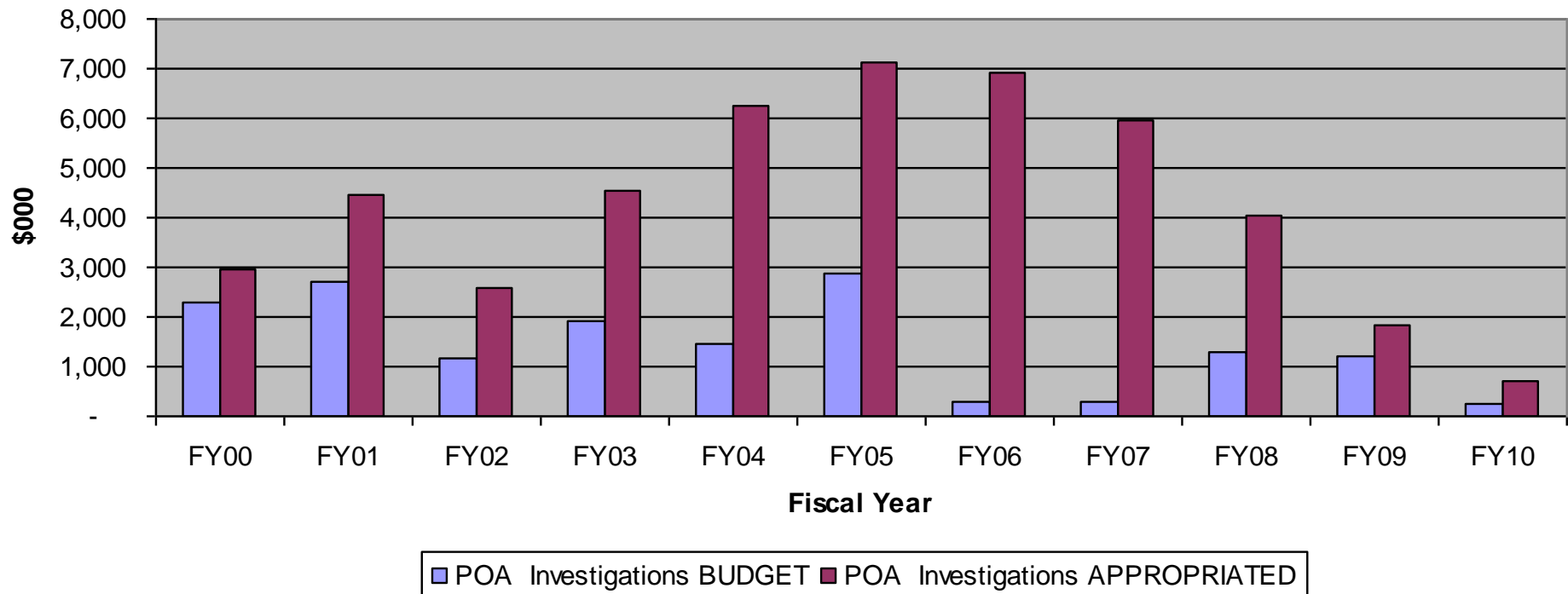
Trends/Projections

Investigations



Alaska District Civil Works Program FY00 – FY10 INVESTIGATIONS

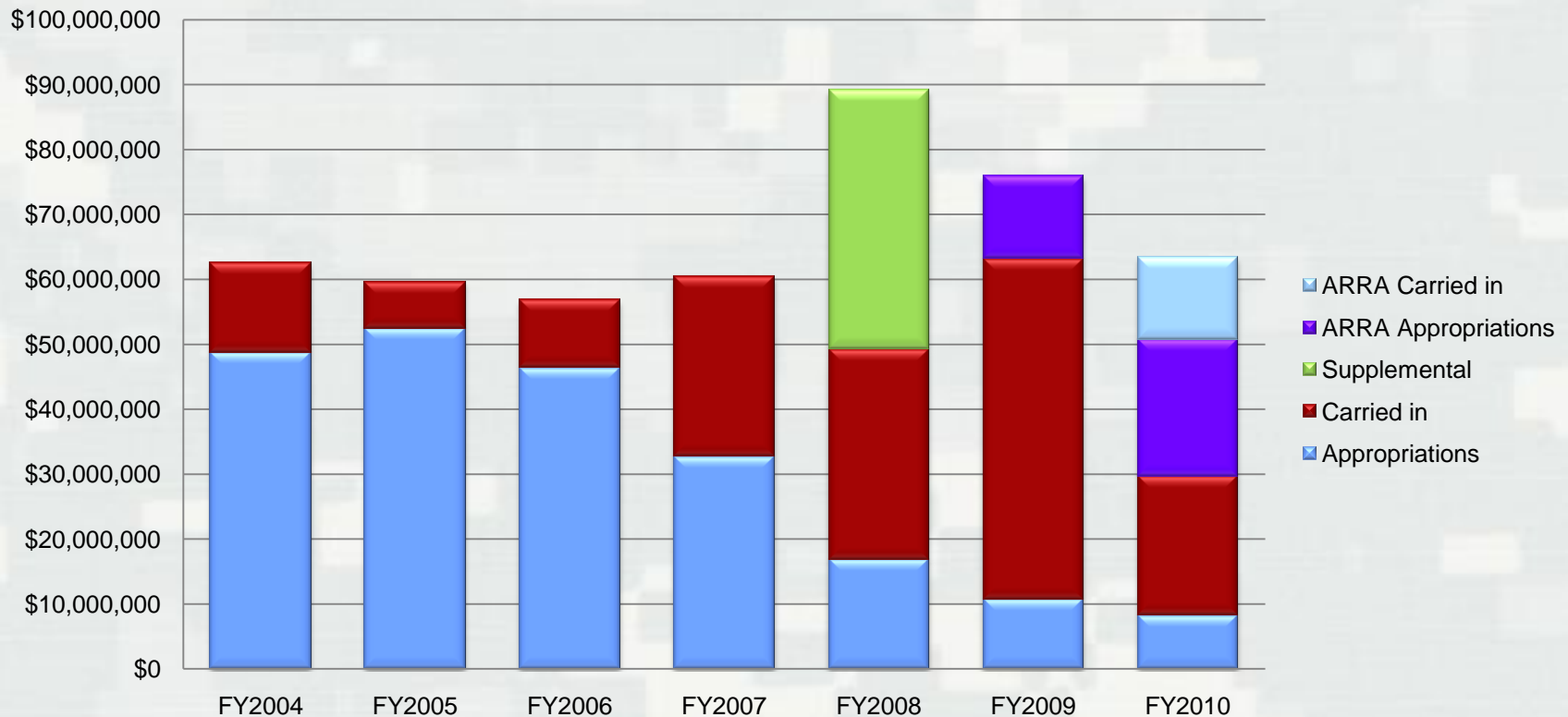
Alaska District
Investigations Budget vs. Appropriated



Civil Works Funding Summit Program

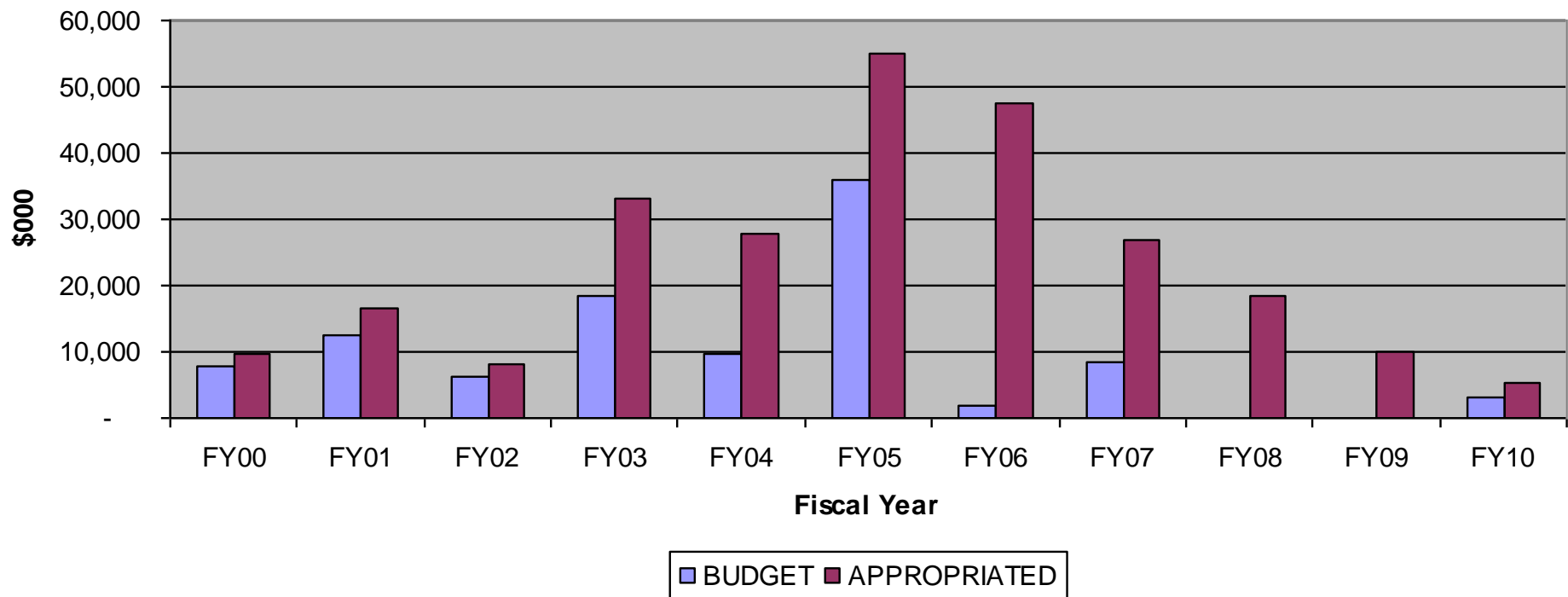
Trends/Projections

Construction



Alaska District Civil Works Program FY00 – FY10 CONSTRUCTION

Alaska District
Construction Budget vs. Appropriated

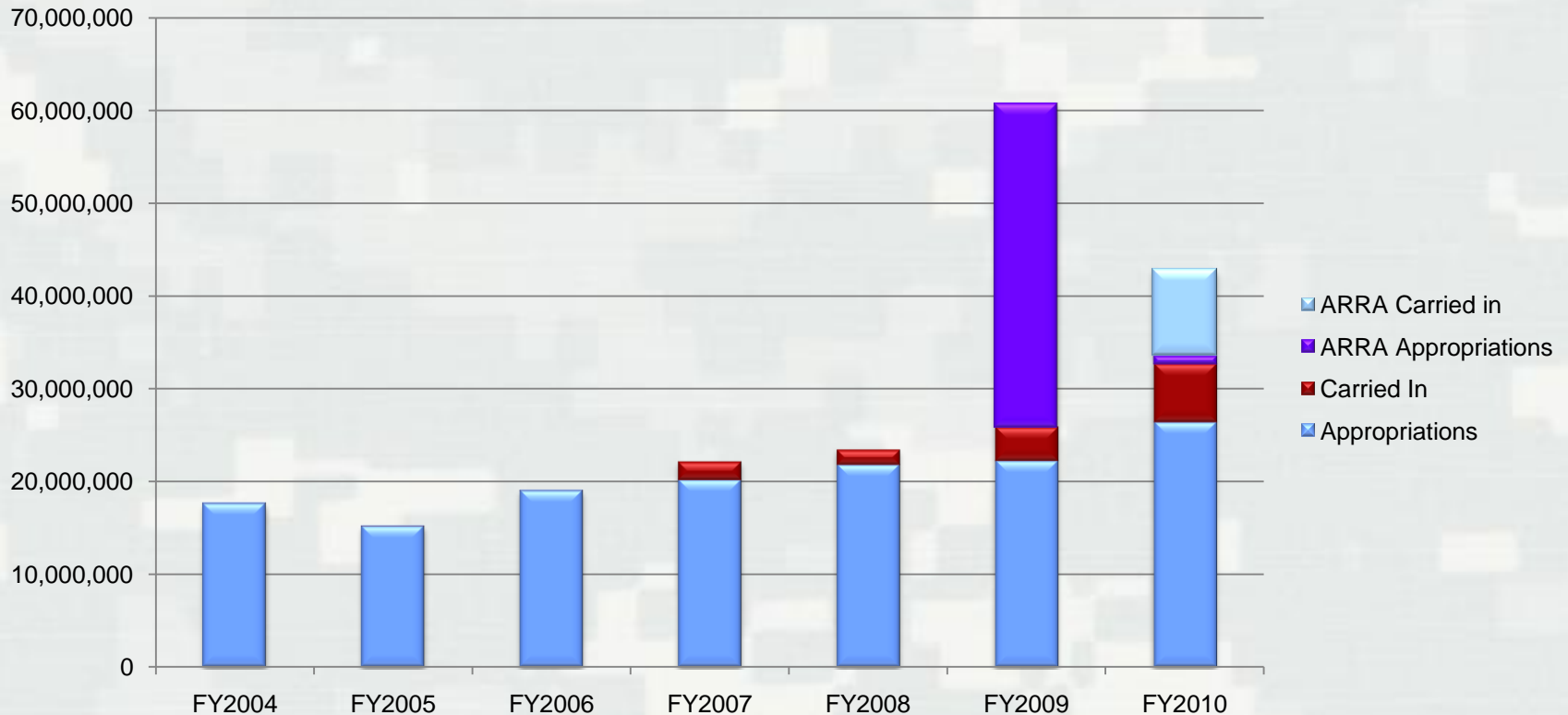


BUILDING STRONG®

Civil Works Funding Summit Program

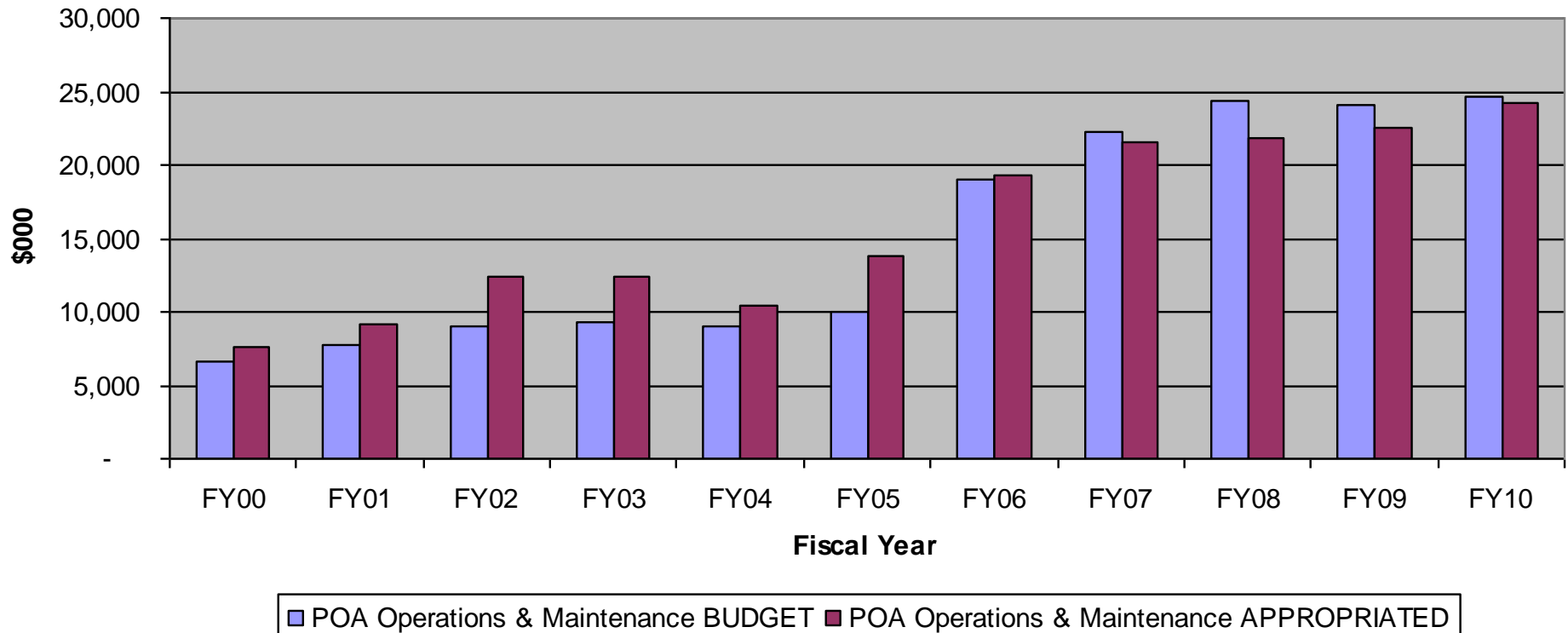
Trends/Projections

O&M



Alaska District Civil Works Program FY00 – FY10 OPERATIONS AND MAINTENANCE

Alaska District Operations & Maintenance



Civil Works Funding Summit Program

Trends/Projections General Investigations

- **Priority GI Projects:**
 - ▶ Alaska Regional Ports
 - ▶ Anchorage Harbor Deepening
 - ▶ Little Diomedes
 - ▶ 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:	<u>\$293K</u>
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



BUILDING STRONG®



QUESTIONS?

Stephen C. Boardman, P.E.
Chief, Civil Project Management
Branch

Alaska District
U.S. Army Corps of Engineers

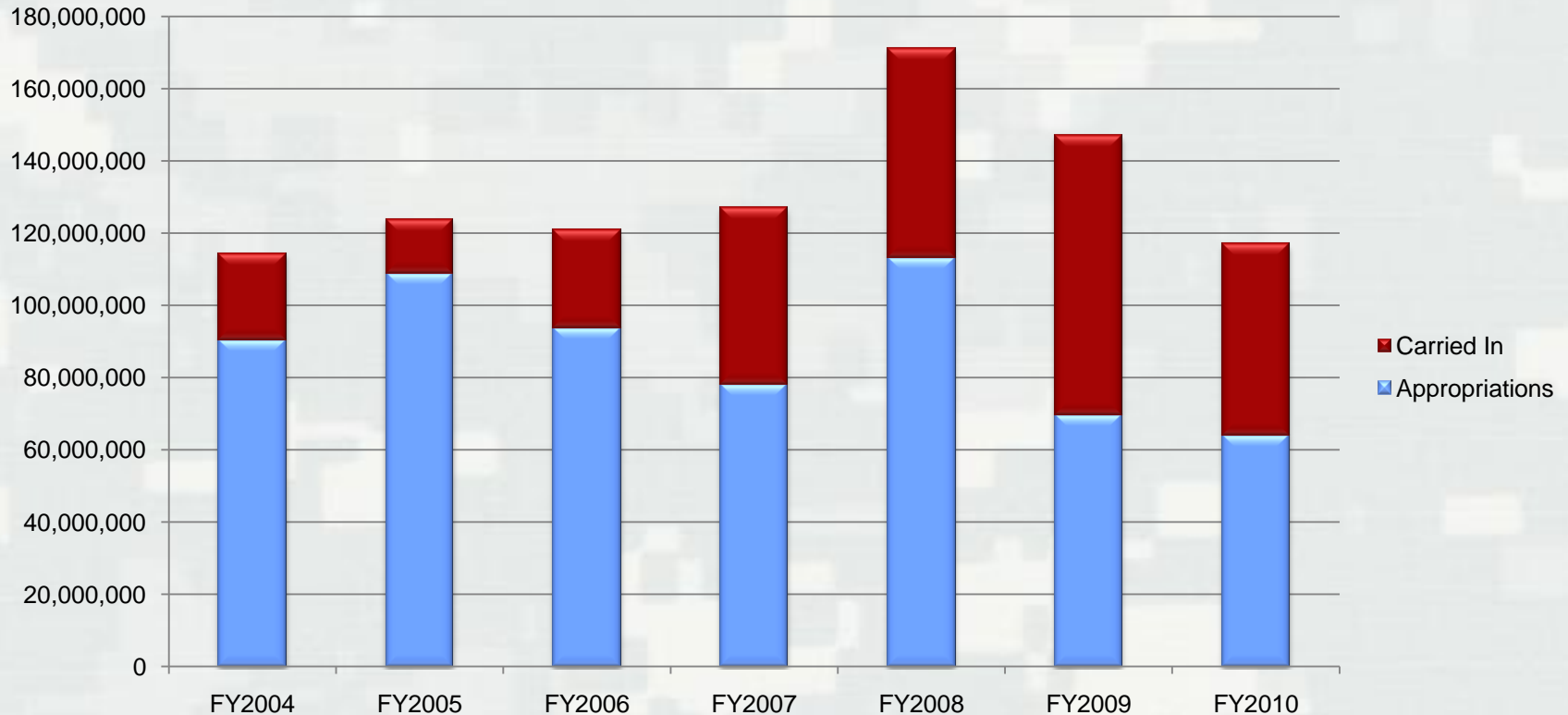


“Building and Preserving Alaska’s Future”

Civil Works Funding Summit Program

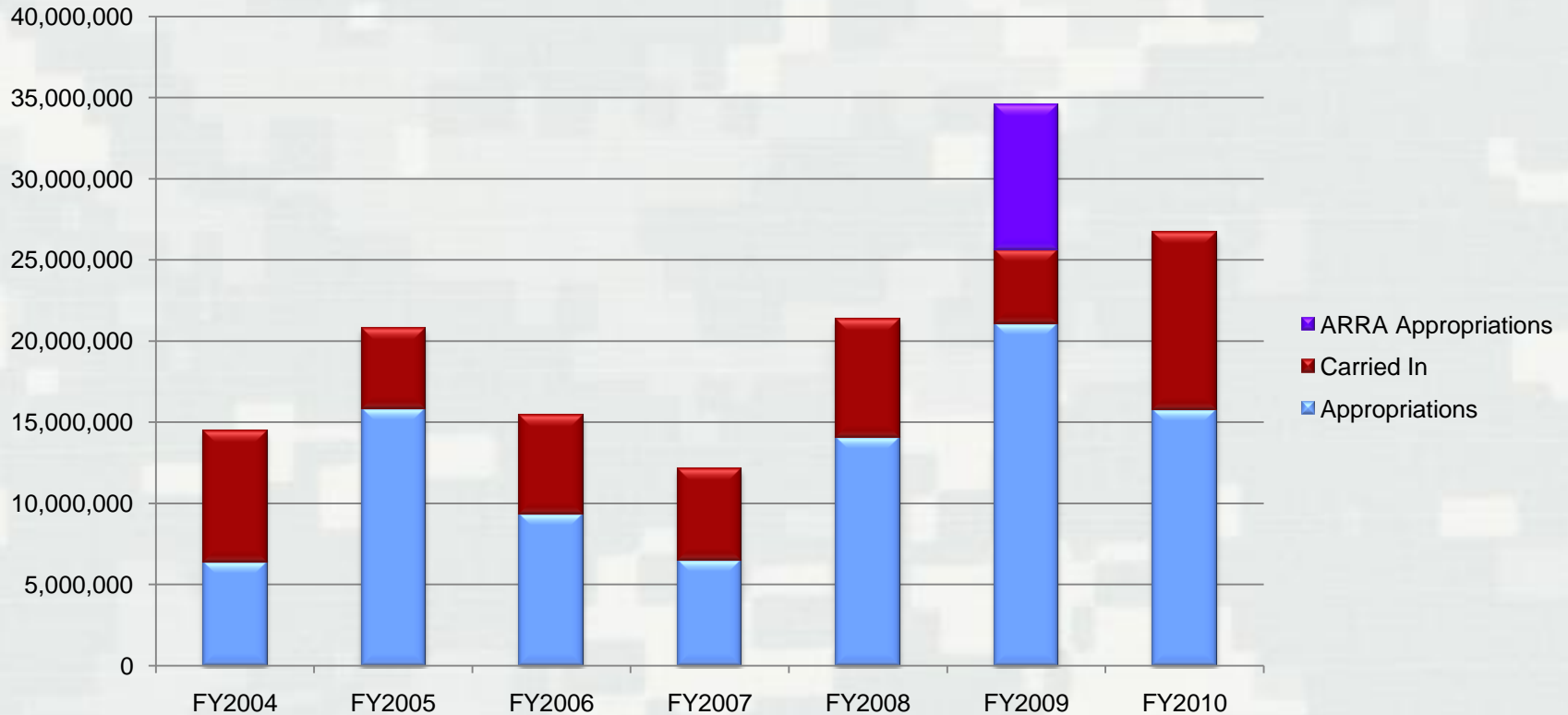
Trends/Projections

Total CW Funds
Non-ARRA



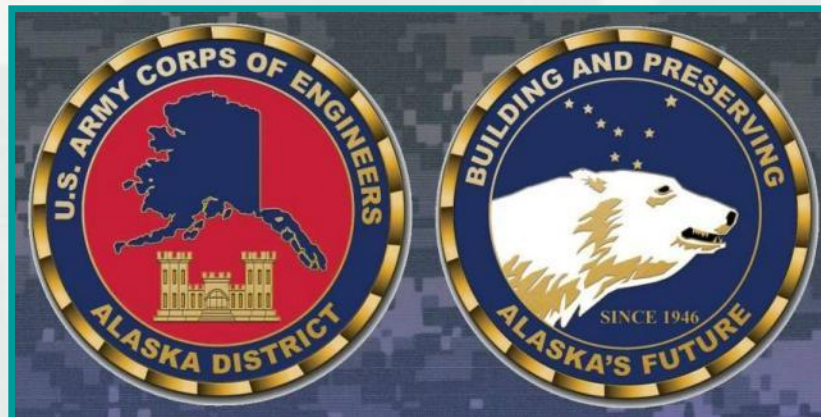
BUILDING STRONG®

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

BUILDING STRONG®

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*

BUILDING STRONG®

CW Program Funding (000's)

	Carry Over from FY09	FY10 Funding	Available Funds	Scheduled Obligation	Carry In to FY11
GI (includes Tribal Partnership Program and remaining funds)	5,512.7	1,243.5	6,756.2	1,149.8	5,606.4
CG (Reg)	20,391.1	7,527.0	27,918.1	5,267.1	22,651.0
CG (Supp)	997.0	0.0	997.0	790.9	206.1
O&M	6,348.0	26,094.7	32,442.7	40,290.5*	2,500.0
FCCE	114.0	501.2	615.2	509.6	105.6
REG	255.6	7,730.3	7,985.9	6,394.7	1,591.2
ARRA	23,489.0	21,505.3	44,994.3	38,219.7	6,774.6
Non-Fed	8,270.0	4,001.1	12,271.1	9,605.0	2,666.1

* Operations is planning on de-obligating available funds on final completed contracts in order to reapply those funds to current year obligations.



BUILDING STRONG®

FY11 CIVIL WORKS PROGRAM

63 Projects / Activities @ \$79.4 Million

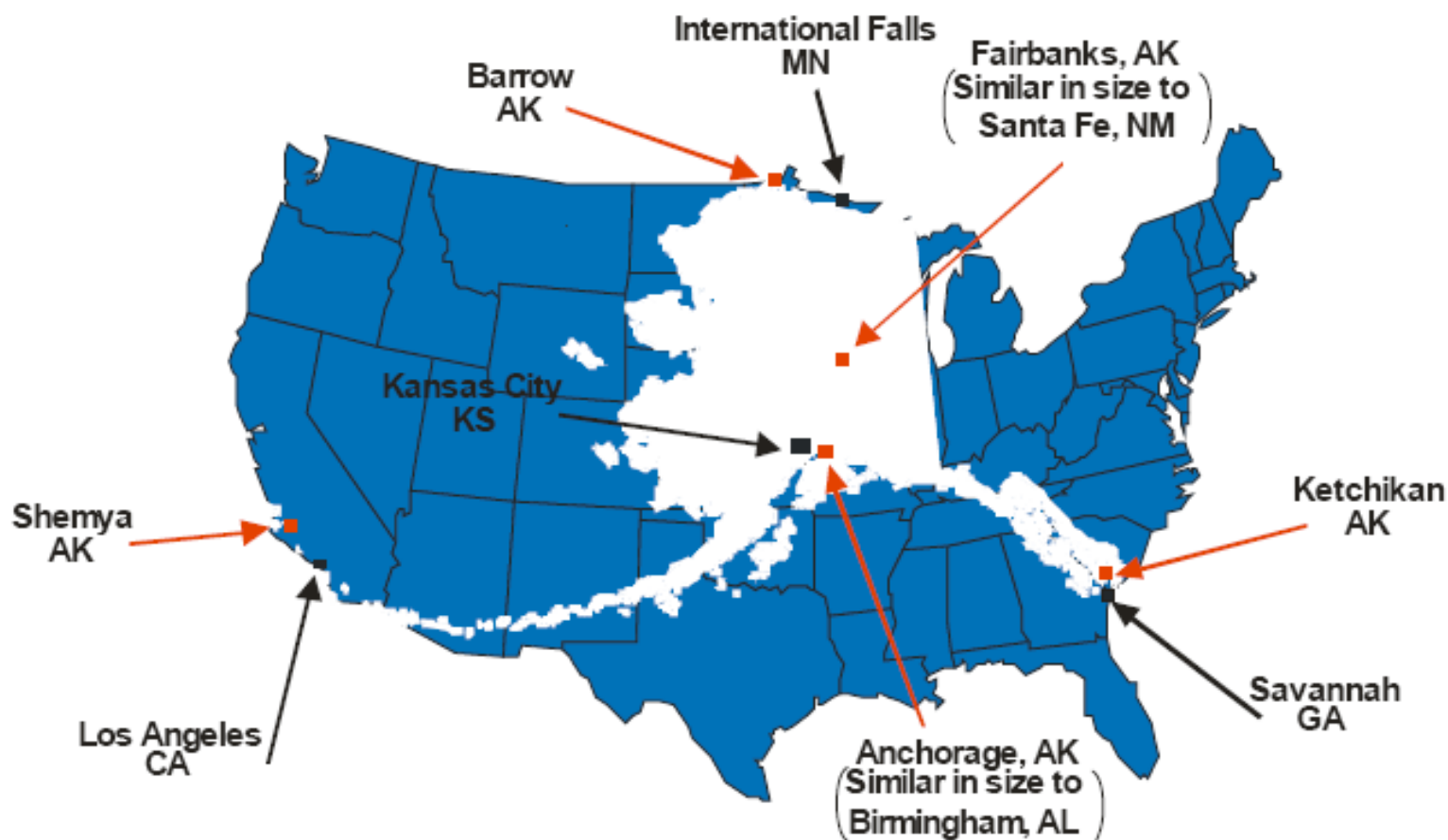
- 27 Studies (Ongoing) \$ 2.3M
- 10 Construction Projects (1 New) \$45.5M
- 12 Continuing Authorities Projects \$ 0.5M
- 12 Operations & Maintenance Activities \$23.0M
- Flood Control and Coastal Emergencies \$ 0.4M
- Regulatory \$ 7.7M

** Funded by Appropriations Acts and Local Sponsor Contributed Funds*



BUILDING STRONG®

AREA OF RESPONSIBILITY



Alaska is 1/5 the size of the lower 48

