Moving from the Study Phase to Preconstruction Engineering and Design

Office of Water Project Review
And the Deep Draft Navigation Planning Center of Expertise
US Army Corps of Engineers
Civil Works
Project Delivery Process

Step 1
Initial Problem Identification

Step 2
Congressional Study Resolution/Authorization

Step 3
Initial Study Funding

Step 4
Conduct Reconnaissance Study

Step 5
Certify Reconnaissance Phase

Step 6
Negotiate PMP and FCSA

Step 7
Execute FCSA & Request Feasibility Funds

Step 8
Conduct Feasibility Study

Step 9
Complete Final RPT. for Coord. & Submission

Step 10
Division Engineer's Transmittal Letter

Step 11
Washington Level Policy Review

Step 12
Chief of Engineers Report

Step 13
Administration Review

Step 14
Project Authorization

Step 15
Execute PED Agreement

Step 16
Conduct PED

Step 17
Draft PPA Review/Approval

Step 18
Congress Appropriates Construction Funds

Step 19
Execute PPA

Step 20
Project Construction

Step 21
OMRR&R
STEP 15 - Execute PED Agreement

Project Authorization (from Step 14)

District Approval

Yes?

No?

FED
Non-Fed

“DESIGN AGREEMENT”

HQUSACE

Cost shared at the same rate as construction
STEP 16 - Conduct PED

**PED:**

- Finalize detailed engineering & design to ready project for construction
- Prepare plans & specs. for first construction contract
- EDD – Engineering Design Documentation

**Civil Works Project Delivery - “An Overview”**
STEP 17 - Draft PPA Review / Approval

PPA – Project Partnership Agreement

Guidance:
EC 1165-2-204, dated 31 July 1997

Decision Document Approved?
Const. Funds -
  Budgeted?
  Added?

Draft PPA Package

- Deviations
- Financial Anal.
- Checklist
- Legal Certification

Draft PPA Approval
ASA(CW)

- Status – see Plan & Policy Home Page
- Usually 60-day review time.

Civil Works Project Delivery - “An Overview”
STEP 18 - Congress Appropriates Construction Funds

Construction General (CG) Funds

President’s Budget (CG)

Budget EC

J-Sheets

“Energy & Water Development Appropriations”

Civil Works Project Delivery - “An Overview”
STEP 19 - Execute PPA

Initiate Construction

Draft PPA Approved
( from Step 17)

District Engineer Signs!

Sponsor Signs

PPA – Project Partnership Agreement

Civil Works Project Delivery - “An Overview”
Project Cost Sharing by Project Purpose

FLOOD RISK MANAGEMENT
65% - Federal
35% - Non-Federal

NAVIGATION
Inland:
50% - Federal
50% - Trust Fund

ECOSYSTEM RESTORATION
65% - Federal
35% - Non-Federal

RECREATION
50% - Federal
50% - Non-Federal

Deep Draft Navigation
Depth | Cost Share
---|---
< 20 ft. | 90% - Fed 10% - NF *
20 - 45 ft. | 75% - Fed 25% - NF *
> 45 ft. | 50% - Fed 50% - NF *
Service Facilities | 100% - NF

* Plus an additional 10% of General Navigation Features if not offset by LERRs

Civil Works Project Delivery - “An Overview”
If budgeting for a new PED start, the approval date of the latest economic analysis must not precede the date of the MSC budget submission date by more than 3 years.

If PED is continuing, the date of approval of the latest economic analysis must not precede the MSC budget submission date by more than 5 years.
Level 1 – Reaffirmation
  • Qualitative analysis affirms that all previous benefits are still valid

Level 2 – Benefit Update
  • Some quantitative analysis is needed for benefits, but no major changes

Level 3 – Economic Reevaluation
  • Conditions, Economics and Engineering have changed so significantly that full reanalysis is warranted

Level 4 – General Reevaluation
  • Scope is beyond an economic update (new Plan Formulation)
Other Methods for Conducting PED

Work in Kind under Section 221 of the Flood Control Act of 1970

Contributed Funds/Advanced Funds

Section 408 Submittal under 33 USC 408