

# San Francisco District

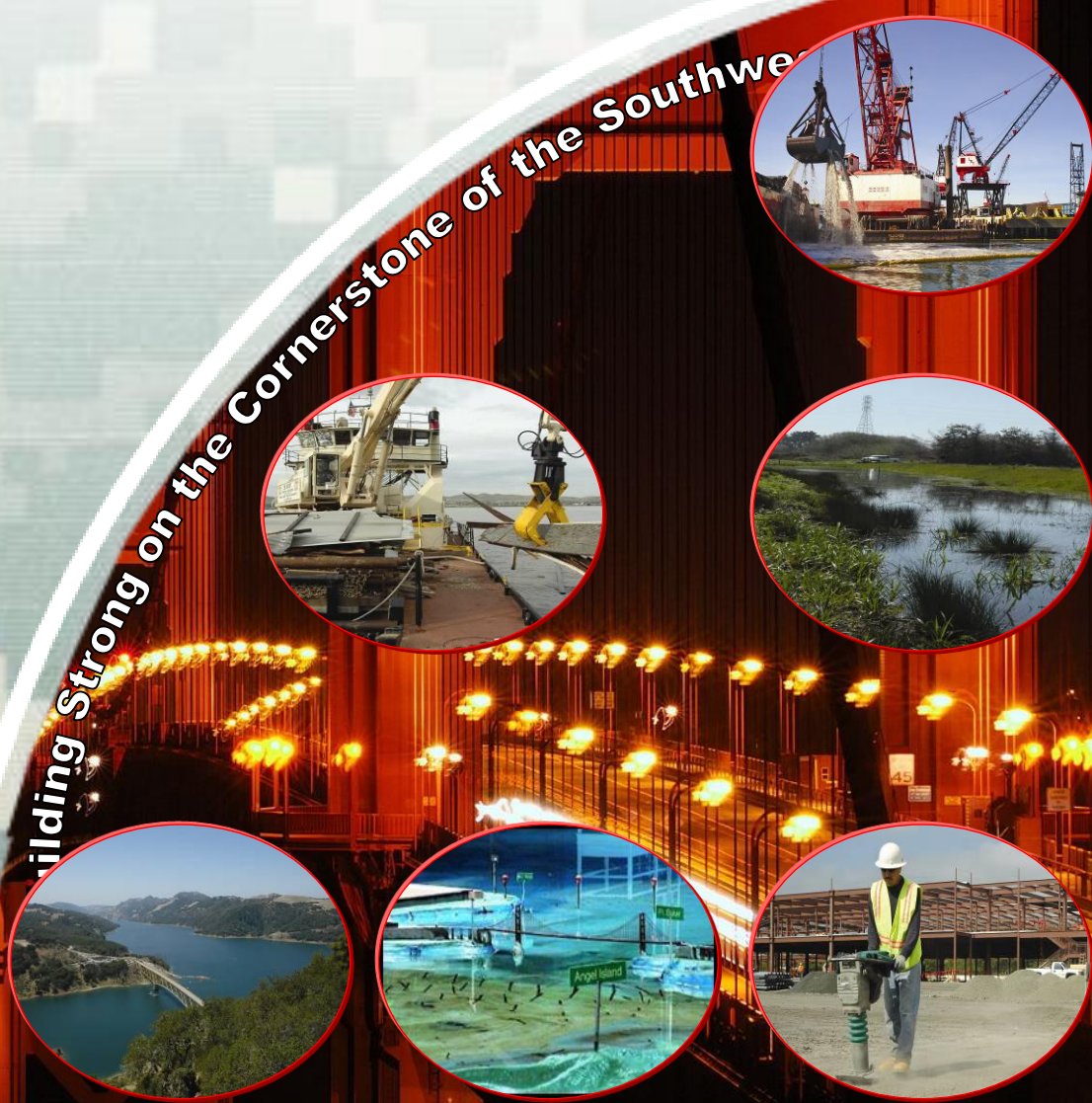
## Briefing To Bay Planning Coalition

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# Corps Civil Works Project Phases

- Reconnaissance (Recon)
- Feasibility
- Pre-Construction Engineering and Design (PED)
- Construction
- Operations, Maintenance, Repair, and Replacement (OMRR)

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# Recon Phase

- Non-Federal Sponsor Letter of Request
- Determine Federal Interest
- \$100,000 Budget
- Identify Appropriate Program
- Submit 905B Report to HQUSACE
- HQUSACE Approves Feasibility Study
- Feasibility Cost Share Agreement

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# Feasibility Phase

- Environmental Permits
  - NEPA
  - CEQA
- Feasibility Report (Navigation)
  - Preliminary Design
    - Ship Simulation Study
    - Dredged Material Placement Sites
  - Total Estimated Project Cost
  - Benefit/Cost Ratio

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# PED Phase

- PED Agreement
  - Identify In-Kind Work
  - Hydrology and Hydraulic Analysis
  - Geotechnical Soil Analysis
- Current Working Cost Estimate
- Develop P&S for Construction Contract(s)
- Construction Schedule (Optimal Funding)

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# Construction Phase

- Draft Project Partnership Agreement (PPA)
- HQUSACE Approves for Signature
- ASA(CW) Signs for Government
- Advance Acquisition Planning
- Acquire Necessary Real Estate
- Award Construction Contract(s)

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# OMRR Phase

- Federal Maintenance Obligations (Navigation)
- NFS Maintenance Obligations
- 10 Percent GNF Construction Cost (If NFS LERRS < 10 Percent)
- Adaptive Management and Monitoring (5 To 10 Years)

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# Questions ?



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