

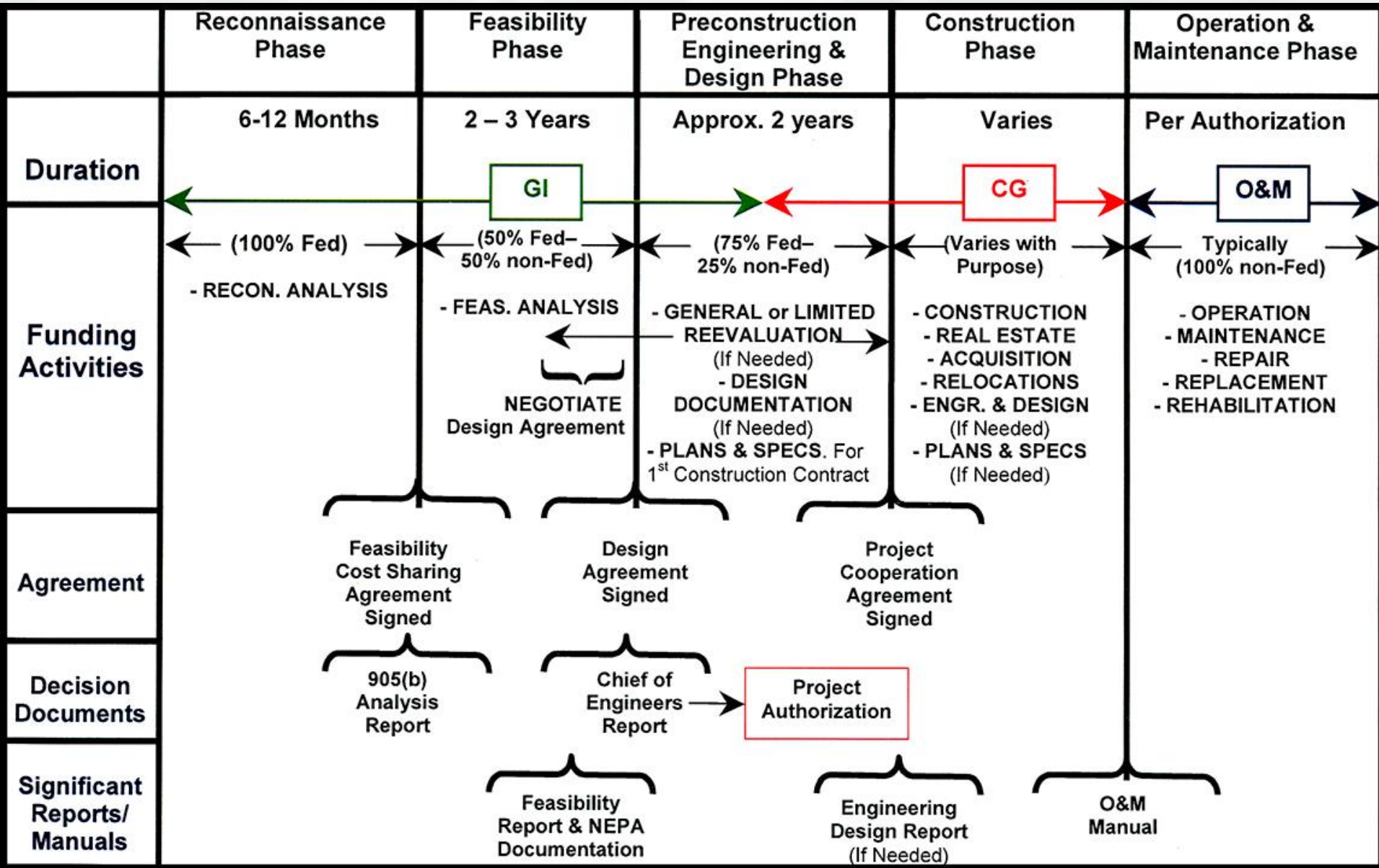
Dredged Material Management Plans (DMMPs)

**Theodore A. Brown, P.E. SES
Chief, Planning and Policy Division
Headquarters, USACE
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Planning- Construction- Operations & Maintenance



Current Guidance on Preparing Dredged Material Management Plans (DMMPs):

PLANNING GUIDANCE



US Army Corps
of Engineers

ER 1105-2-100
22 April 2000

ER1105-2-100
Dated 22 April 2000

Appendix E, pages E-68 to E-83



All federally maintained navigation projects must demonstrate there is sufficient dredged material disposal capacity for a minimum of 20 years.



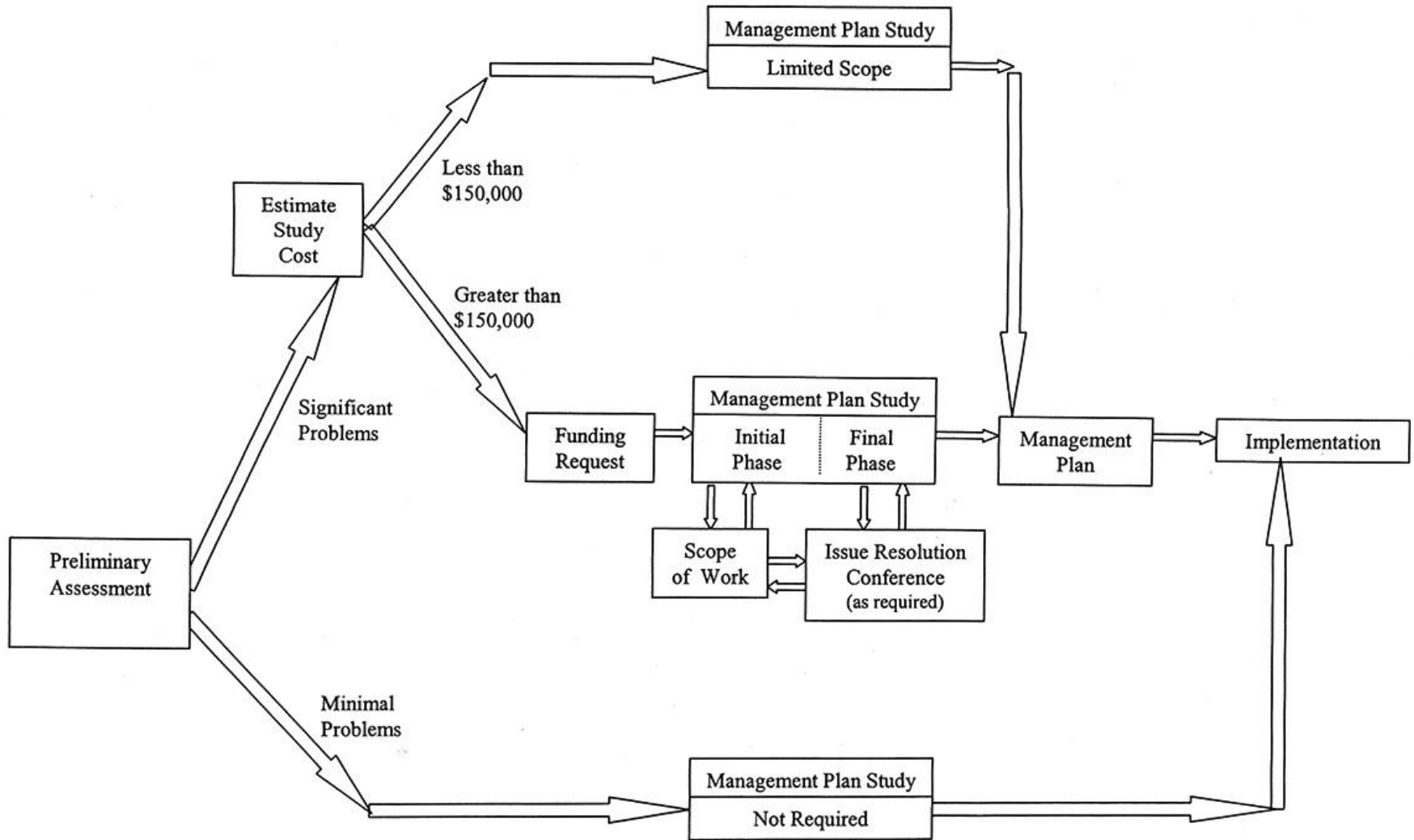
US Army Corps of Engineers
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Corps Policy

- Sound management of dredged material is a PRIORITY mission
- Conduct dredging & manage dredged material in an environmentally sound manner
- Ensure each navigation project has a dredged material management plan that assures warranted & environmentally acceptable maintenance of a navigation project
- Include potential beneficial uses of dredged material
- Achieve dredged material management goals within authority



DMMP Planning and Implementation



Preliminary Assessment

Existing Projects:

An **Initial Assessment** should exist for each existing navigation project.

- Prepared by District Operations
- A “one pager”
- Establish the Management Plan for the project



Must state:

- A. Commercial use of channel
- B. Sufficient dredged material disposal capacity for a 20 year minimum ? (If “NO”, then a **Preliminary Assessment** must be prepared)



PA and DMMP Development

PRELIMINARY ASSESSMENT

Prepared using readily available maintenance and usage information. May establish Base Plan and confirm continued maintenance appears warranted.

- If **YES**, completes requirement for management plan.
- If **NO**, recommend a DMMP

DMMP STUDY

Establishes Base Plan and if necessary the recommended Plan (if major problems, major new investment or significant increase in maintenance costs).

Two Phase Process:

Conduct Initial & Final phases:

- **Initial phase:** Scope of Work
- **Final phase:** Executes Scope of Work



Roles and Responsibilities of Planning and Operations

O&M Projects:

Operations has program management responsibility.

Planning conducts required Studies.

Both offices must ensure efficient use of shared resources.



Feasibility Studies:

Planning administers & conducts Management Plan Studies.

Operations is essential participant & assumes responsibility for dredged material management following project completion.



DMMP Interdisciplinary Analysis

****Vary depending on scale of DMMP**

- **Planning**
- **Plan Formulation**
- **Environmental**
- **Economics**
- **Public Affairs**
- **Project Management**
- **Program Management**
- **Resource Management**
- **Engineering**
- **Real Estate**
- **Office of Counsel**
- **Construction**
- **Navigation**
- **Operations**



Funding of PAs and DMMPs

- Preliminary Assessments (PA) funded from available O&M funds. Limit of \$20,000.
- Requests for funding for DMMP for \$150,000 or less included in O&M funding request (PA must be completed)
- Requests for funding for DMMPs costing more than \$150,000 considered on a national priority basis.



DMMP Formulation

- Consider full range of **Alternatives**: extending life of existing sites, combination of new disposal sites with different methods, disposal area locations & periods of use, measures to reduce dredging requirements.
- **Beneficial uses of dredged material**: assess for meeting both navigation and other purposes including fish & wildlife creation/restoration, hurricane & storm damage reduction and recreation.



DMMP – Formulation (continued)

- Beneficial use included in Base Plan is a general navigation O&M component.
- Uses which are not in Base Plan are separable elements of the management plan and are pursued under other authorities.
- However, they should be pursued in **conjunction** with Base Plan to assure **timely availability** of dredged material.



DMMP Budgeting

Existing Projects

- DMMP costs for continued maintenance of federal navigation projects are O&M costs and federally funded
- Cost sharing partners must pay the costs for their participation
- Budgeting priority limited to Base Plan. Components attributable to local or state laws are non-Federal costs.
- Activities not required for continued maintenance should be funded by non-Federal interests
- Modifications requiring Congressional authorization must be pursued as feasibility studies



DMMP -Two Stage Process

Initial Phase - Scoping:

- Degree of engineering, environmental & economic risk & uncertainty
- Related activities including surveys outside of project limits, sources of contamination and non-point sources of pollution only included if non-federally funded
- Need for project modification requiring Congressional authorization? If so, pursue new feasibility study through budget process



DMMP-Initial Phase

Initial Scope of Work:

- Basis for total study cost, duration and cost-sharing, if any 36-month limit.
- Addresses work tasks, milestones, schedule, costs, responsibility, non-Fed coordination, regulations/guidance.
- Presents minimum level of technical & scientific detail for Final Phase.
- Include tasks (with costs) to support higher level review and approval of report (i.e. responses to comments, report revisions, meeting attendance, etc.)



DMMP – Final Phase

Final Phase provide:

- Complete initial study, results, & findings
- How compliance with applicable statutes, executive orders & policy is achieved
- A sound & documented basis for decision makers at all levels
- District Commander's signature, with submittal to Division Commander for further action



PA and DMMP Report Outline

- Project Description(s) [include project map(s)]
- Scope of Study [indicate whether single project or group of projects; relationship to permittee dredging, etc.]
- Authorization and Development History [include all project authorizations, Section 221 agreements, Project Cooperation Agreements (PCAs), Project Partnership Agreement (PPA), easements, fee acquisition, construction dates, etc.]
- Description of existing conditions



PA/DMMP Report Outline (cont.)

- Projections of future conditions in the absence of a Management Plan
- Concise statement of specific problems and opportunities
- Alternative plans:
 - Alternative disposal measures to address identified problems and opportunities
 - Beneficial uses alternatives
 - Reasons for selecting and combining measures to form alternative plans
 - Evaluation of Alternative Plans
 - Trade-off analysis



DMMP Report Outline (cont.)

- Selection of final plan
 - Discuss rationale for selection, sensitivity analysis, and risks and uncertainties
- Description of selected Management Plan
 - Plan components
 - Implementation requirements and schedules
 - Consistency with the Base Plan
- NEPA documentation, as required
- Results of coordination with local, state and Federal agencies
 - Recommendations



DMMP Approval Process

Division Commanders ensure full technical review of DMMP and may approve them **EXCEPT** if:

- Item of work required which qualifies as major maintenance
- Adjustment to District funding targets is required
- Additional Congressional authority required

If one or more of these cases applies, Division Commander sends Final DMMP & NEPA Document to HQUSACE for review & approval. Record of Decision (ROD) to follow.

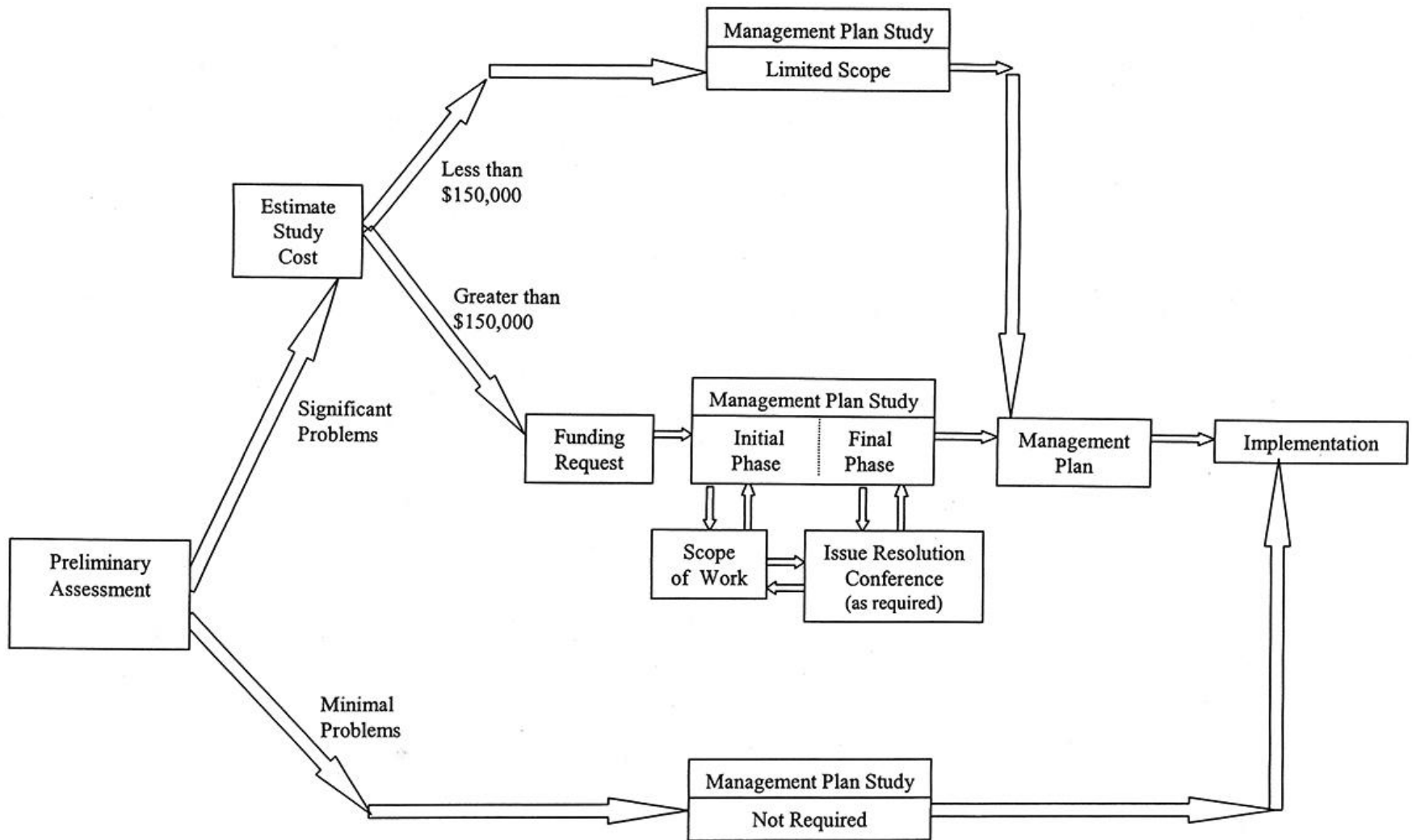


New Project Partnership Agreements

- ✓ DMMPs requiring new capital investments (i.e. new disposal facility)? need a PPA.
- ✓ Draft PPA & financing plan
- ✓ Developed & submitted concurrently with DMMP
- ✓ DMMP serves as decision document for PPA
- ✓ PPA requirements should be discussed with sponsor
- ✓ **NO** commitments to sponsor until DMMP and draft PPA are approved.
- ✓ After DMMP approved, finalize negotiations with sponsor and submit PPA package to HQUSACE for review.



DMMP Planning and Implementation



Useful Websites

DMMP Guidance:ER 1105-2-100: <http://140.194.76.129/publications/eng-regs/er1105-2-100/toc.htm>

PGL#47: <http://usace.army.mil/CECW/Documents/cecwp/pgls/pgl47.pdf>

Section 2005 of WRDA 2007:Implementation Guidance:
http://usace.army.mil/CECW/Documents/cecwp/leg_manage/wrda2007/sec_2005.pdf

Review Plans: EC 1165-2-209:
http://usace.army.mil/CECW/PlanningCOP/Pages/rev_plans.aspx

PPA Guidance: Review Project Partnership Agreements Models:
<http://www.usace.army.mil/CECW/PPA/Pages/Main.aspx>



**Any
Questions
????**

