

DRAFT

**Outline/Template for Corps of Engineers System Wide Improvement Framework (SWIF)**

1. **Introduction –**
  - a. General Information
  - b. Purpose of the SWIF
  - c. Overall completion date and cost for rectification work
  
2. **Discussion/description of Levee system**
  - a. Segments Included
  - b. Features
  - c. Construction History
  - d. Population at Risk
  - e. Critical Infrastructure, and
  - f. Map with leveed area, critical features, and critical infrastructure labeled
  
3. **Description of proposed levee improvements and justification of how the SWIF optimizes flood risk reduction. –**
  - a. Overview of work to be done, prioritized by LSAC risk drivers and Interim Eligibility policy.
  - b. Include deficiency table to include risk rankings and project costs
  - c. How it will be done. (Studies, Contracting)
  - d. Cost (overall)
  - e. Funding Sources
  - f. Work completed to date with cost
  
4. **Plan and schedule for interagency collaboration, including environmental and/or Tribal consultation in the implementation of the SWIF.**
  - a. Identify all collaborating agencies - their contribution (roles during SWIF development and post) & schedule of due outs/meetings
  - b. Section 408 Alterations
  - c. Section 401/404
  - d. Environmental permitting? NEPA compliance
  - e. Impacting Utilities?
  - f. NFIP certification/accreditation?
  
5. **Specific Agreements**
  - a. Project specific agreements
    - i. USACE
    - ii. Other O&M Agreements
  - b. Any agreements for the SWIF work
    - i. Financial
    - ii. Mods

- iii. Mitigation
  - iv. Cost Shares
  - v. Real Estate Acquisition Plan, or
  - vi. Any other similar agreements that affect overall scope and execution.
6. **Regional considerations/issues, approaches, and tools proposed for use during implementation of the SWIF.**
- a. Environmental considerations such as endangered species,
  - b. Tribal treaty rights,
  - c. Water quality, and/or
  - d. Wetlands
7. **Interim maintenance standards that will be implemented during the SWIF to mitigate conditions of uncorrected "Unacceptable" inspection items.**
- a. For deferred corrective actions, what will be done to not allow further deterioration and increased risk?
8. **Interim Risk Reduction Measures (IRRM) plan, including a risk communication plan that addresses the risk to life increased by system-wide deficiencies.**
- a. Risk reduction measures that reduce the risk to life safety
  - b. Risk Communication Plan\*
  - c. Emergency action plans,\*
  - d. Evacuation plans,\*
  - e. Other communication efforts\*
  - f. Flood fight capability\*
  - g. Flood monitoring.\*
  - h. Developed in accordance with Engineering and Construction Bulletin No. 2016-8 dated 24 February 2016, subject: Interim Risk Reduction Measures (IRRM) for Levee Safety (Appendix XXXXX)
- \*These items can be combined into one document called an Emergency Preparedness Plan (EPP).
9. **Schedules and milestones that will be used to monitor progress and to determine continued eligibility for P.L. 84-99 rehabilitation assistance while the SWIF is being implemented.**
- a. Key activities, risk communication activities, training, etc.
  - b. Clear project milestones with specific dates
  - c. Risk analysis of the overall execution schedule - consequence of assumptions being incorrect.
  - d. Notification process for missed milestones, and what the approach will be for schedule recovery, or extension.

SWIF TEMPLATE

10. **Documentation that FEMA has been informed of Levee status and of the SWIF (if necessary).**
11. **Summary – include overall completion date and cost**

**Appendices** – As appropriate.