



**DEPARTMENT OF THE ARMY**  
U.S. ARMY CORPS OF ENGINEERS, SOUTH ATLANTIC DIVISION  
60 FORSYTH STREET SW, ROOM 10M15  
ATLANTA, GA 30303-8801

CESAD-RBT (1165)

19 March 2024

MEMORANDUM FOR Commander, U.S. Army Corps of Engineers,  
Mobile District, P.O. Box 2288, Mobile, Alabama 36628-0001

SUBJECT: Approval of the Review Plan for the Tantallon and Shamrock Stormwater  
Drainage Improvements BIL Project, Jackson County, Mississippi

1. References:

a. Memorandum, CESAM-PM-C, 14 February 2024, subject as above.

b. Engineering Regulation (ER) 1165-2-217, Civil Works Review Policy,  
1 May 2021.

2. The updated Review Plan (RP) for the Tantallon and Shamrock Stormwater  
Drainage Improvements, submitted via reference 1.a, has been reviewed by the South  
Atlantic Division (SAD). The RP is hereby approved in accordance with reference 1.b.

3. Significant changes to this RP will require new written approval from this office.

4. The SAD point of contact is Michael Wolz, CESAD-RBT, (404) 562-5120.

MCCALLISTER.LA | Digitally signed by  
RRY.DWAYNE.114 | MCCALLISTER.LARRY.DWAYN  
4889661 | E.1144889661  
Date: 2024.03.19 17:59:53 -04'00'

Encl

LARRY D. MCCALLISTER, PhD, PE, SES  
Director of Programs

## **Review Plan for Tantallon and Shamrock Stormwater Drainage Improvements Implementation Documents**

Refer to ER 1165-2-217, *Civil Works Review Policy*, May 2021, regarding the requirements for executing this plan.

1. **Date:** 1 Feb 2024
2. **Review plan revision date, if applicable:** N/A
3. **Project name:** Tantallon and Shamrock Stormwater Drainage Improvements
4. **Project location:** Jackson County, MS
5. **Project Number(s):** 500125 and 500131 combined
6. **Review Management Organization (RMO):** South Atlantic Division
7. **Review plan POCs:**
  - a. **District:** Catherine Clark, Engineering Technical Lead, 251-690-2477
  - b. **SAD:** Implementation Quality Manager, 404-562-5210
8. **Expected in-kind contributions/services to be provided by the non-Federal sponsor:** NFS design review and stakeholder coordination – approx. \$15,000
9. **Construction delivery method:** Design-Bid-Build
10. **Construction contract acquisition strategy:** MATOC TO
11. **Target construction contract award date(s):** 21 Oct 2025
12. **Estimated construction contract value(s) (range):** \$1 - 2 M
13. **Project description:** This project consists of the design for improvements to the stormwater infrastructure within two of the County's watersheds. This will include the installation of drainage pipes and drainage structures, grading of open channels, enlargement of culverts, and bank stabilization.
14. **Designer of Record:** Cypress – Digital JV
15. **Documents to be reviewed:** Construction plans and specifications, Design Document Report
16. **Required reviews:**
  - a. District Quality Assurance Review (DQA) – Quality Control Review to be provided by AE.
  - b. Agency Technical Review (ATR)
  - c. Biddability, Constructability, Operability, Environmental, and Sustainability Review (BCOES)
17. **Site visits by review teams:** Not Required
18. **Justification to waive ATR, if applicable:** N/A

**19. ATR team disciplines and qualifications:**

Team Member Discipline	Expertise Required
Team Leader	A senior professional, external to SAD, with extensive experience in preparing Civil Works implementation documents and conducting ATR, and with the necessary skills and experience to lead a virtual team through the ATR process. May be combined with another review role.
Civil Engineer (Site)	Must be a registered professional engineer with at least 7 years of civil/site design experience, preferably including the design of earthworks, pavements, stormwater management systems, and utility relocations.
Environmental Specialist (NEPA)	Must have at least 7 years of environmental experience, preferably including experience in wetland delineation, NEPA, with a working knowledge of cultural/tribal coordination requirements.
Geotechnical Engineer	Must be a registered professional engineer with at least of 7 years of experience in geologic and geotechnical analyses, preferably including experience with horizontal design projects

**20. Considerations regarding the need for a SAR.**

- a. **Could project failure result in flooding-related loss of human life? If so, what is the population at risk? No**
- b. **Will the design of water impoundment or training features deviate from USACE guidance or be based on uncommon analytical methods or material types? No**
- c. **If modifying an existing project, could the probability of project failure be temporarily increased during construction? N/A**

**21. Determination regarding the need for a SAR:** The District Chief of Engineering has determined that a SAR is not warranted.

**22. Numerical modeling software to be utilized:** Numerical modeling software is not anticipated at this time.

**23. Schedule and cost of reviews:**

Review	Month/Year	Cost
15% DQA	Jun 2024	\$20,000
65% DQA	Feb 2025	\$25,000
65% ATR	Feb 2025	\$28,000
Final DQA	Jul 2025	\$25,000
Final ATR Backcheck	Jul 2025	\$7,000
BCOES	Aug 2025	\$25,000