



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)

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 Okaloosa County, Florida Coastal Storm Risk
Management Project

1. References:

- a. Memorandum, CESAM-EN-QC, 17 June 2024, subject as above.
 - b. Engineering Regulation (ER) 1165-2-217, Civil Works Review Policy, 1 May 2021.
2. The Review Plan (RP) for the Okaloosa County, Florida Coastal Storm Risk Management Project, 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.

Encl

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



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, MOBILE DISTRICT
P.O. BOX 2288
MOBILE, AL 36628-0001

CESAM-EN-QC

29 April 2024

MEMORANDUM FOR Commander, U.S. Army Engineer Division, South Atlantic
(CESAD-DE), 60 Forsyth Street, Room 10M15, Atlanta, Georgia 30303

SUBJECT: Approval of the Review Plan for Okaloosa County, Florida Coastal Storm Risk
Management Project

1. References:

- a. ER 1110-2-1150, "Engineering and Design for Civil Works Projects," dated 31 August 1999.
- b. ER 1110-1-12, "Engineering and Design Quality Management," dated 31 March 2011.
- c. ER 1165-2-217, "Civil Works Review Policy," dated 1 May 2021.
- d. ER 415-1-11, "Biddability, Constructability, Operability, Environmental, and Sustainability (BCOES) Review," dated 1 January 201 Sustainability (BCOES) Review," dated 1 January 2013.

2. I hereby request approval of the enclosed Review Plan for the Okaloosa County, Florida Coastal Storm Risk Management project. The Review Plan complies with applicable policy, provides for Agency Technical Review, and has been coordinated with the SAD. Significant changes to this Review Plan, such as scope or level of review changes, should they become necessary, will require written approval from SAD.

3. The POC for this action is Valerie Morrow, Project Technical Lead, (251) 370-8805.

 Digitally signed by
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Encls

JEREMY J. CHAPMAN, P.E.
COL, EN
Commanding

REVIEW PLAN

MISSISSIPPI COASTAL IMPROVEMENTS PROGRAM

OKALOOSA COUNTY, FLORIDA

COASTAL STORM RISK MANAGEMENT PROJECT

P2 # 512475

OKALOOSA COUNTY, FLORIDA

U.S. Army Corps of Engineers

Mobile District

South Atlantic Division

08 April 2024



**US Army Corps
of Engineers**
Mobile District

Review Plan for Okaloosa County, Florida Coastal Storm Risk Management

Refer to ER 1165-3-217, *Civil Works Review Policy*, May 2021 and ECB 2023-9, *Civil Works Design Milestone Checklists*, July 2023, regarding the requirements for executing this plan.

1. **Date:** 27 March 2024
2. **Review plan revision, if applicable:** N/A
3. **Project name:** Okaloosa County, Florida Coastal Storm Risk Management
4. **Project location:** Okaloosa County, Florida
5. **Project P2 number:** 512475
6. **Review Management Organization (RMO):** South Atlantic Division
7. **Expected in-kind contributions/services to be provided by the non-Federal sponsor:** NA
8. **Construction delivery method:** Design-Bid-Build
9. **Construction contract acquisition strategy:** IFB
10. **Target construction contract award date:** FY-26
11. **Estimated construction contract value(s) (range):** \$30M – \$40M
12. **Project description:** This project includes construction of a berm and dune along the Okaloosa County shoreline consisting of approximately 3.1 miles in the Okaloosa Island reach and approximately 3 miles in the West Destin reach.
13. **Designer of Record:** A-E firm, AECOM
14. **Documents to be reviewed:** Construction plans and specifications, Design Documentation Report (DDR) including the Coastal Modeling and Analysis Report.
15. **Risk and uncertainty:**
 - a. **Project performance risk:** The required reviews indicated below will ensure that the likelihood of poor project performance, once constructed, is low.
 - b. **Life safety risk:** The questions below regarding the need for a Safety Assurance Review specifically address life safety risk.

16. Required reviews:

- a. District Quality Assurance Review of A-E firm work products
- b. Agency Technical Review (ATR)
- c. Biddability, Constructability, Operability, Environmental, and Sustainability (BCOES) Review

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	Minimum Qualifications
Team Lead	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.
Hydraulic (Coastal) Engineer	A licensed professional engineer with expertise in coastal engineering including hydrodynamic modeling for sediment transport and morphologic change, and expertise in the design of coastal storm risk management beach nourishment projects.
Geotechnical Engineer or Geologist	A licensed professional engineer or geologist with expertise in geotechnical investigations, including soil classification, beach nourishment compatibility analysis, and borrow area design.
Environmental Scientist (Coastal)	Shall have experience in the influence of beach nourishment on coastal ecosystems and other coastal features, and the National Environmental Protection Act (NEPA) process. Should also be experienced in the National Historic Preservation Act (NHPA) Section 106 process and tribal coordination.

20. Considerations regarding the need for a SAR:

- a. **If the project will impound water, could project failure result in flooding-related loss of human life?** No.
- b. **If the project will impound water, will the design of water impoundment features deviate from USACE guidance or be based on uncommon analytical methods or material types?** N/A
- c. **If modifying an existing project that impounds water, 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 models to be utilized:

Model Name	Model Description	Approval Status
ArcGIS and Desktop	Geospatial data mapping tool.	HH&C Scientific & Engineering Technology (SET) allowed for use
Sediment Budget Analysis System (SBAS)	Tool used in developing sediment budgets	SET allowed for use
GenCade	A 1-D model used to calculate shoreline change, wave-induced long-shore sand transport, and morphology change	SET allowed for use
CSHORE/SBEACH	A 1-D nearshore model for predicting hydrodynamics and profile change.	SET allowed for use
Microcomputer Aided Cost Engineering System (MCACES), MII	Cost estimating software used to prepare Civil Works cost estimates.	Civil Works Cost Engineering MCX mandatory
Cost Engineering Dredge Estimating Program (CEDEP)	Required for dredging estimates using floating plants.	Civil Works Cost Engineering MCX mandatory

23. Schedule and cost of reviews:

Submittal	Reviews	Schedule	Cost
Coastal Modeling & Analysis Report	DQA review	Jun – Jul 2025	\$10,000
60% Submittal	DQA review, BCOES review	Aug - Sep 2025	\$ 30,000
90% Submittal	DQA review, ATR, BCOES review	Dec 2025 - Jan 2026	\$ 60,000