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

REPLY TO
ATTENTION OF

CESAD-RBT 2 May 2012

MEMORANDUM FOR COMMANDER, MOBILE DISTRICT (CESAM-PM-CM/
JIMMY W. SMITHERMAN and DAVID P. NEWELL)

SUBJECT: Approval of the Review Plan for the Plans and Specifications and Design Documentation Report for the Walton County Hurricane and Storm Damage Reduction Project in Walton County, Florida

1. References:

a. Memorandum, CESAM-PM-CM, 13 February 2012, Subject: Review Plan – Walton County Hurricane and Storm Damage Reduction (Enclosure).

b. EC 1165-2-209, Civil Works Review Policy, 31 January 2010.

2. The enclosed Review Plan (RP) for the Plans and Specifications and Design Documentation Report for the Walton County Hurricane and Storm Damage Reduction Project submitted by reference 1.a has been reviewed by this office. Some minor edits to the RP were coordinated with Mr. David Newell of your organization. The enclosed RP dated February 2012, with the coordinated edits incorporated, is approved in accordance with reference 1.b. above.

3. We concur with the conclusion of the District Chief of Engineering that Type II Independent External Peer Review is not required for this shore protection project. The purpose of this project is to reduce the damaging effect of hurricanes and severe storms to properties along the coast. This project does not have potential hazards that pose a significant threat to human life. Non-substantive changes to this RP do not require further approval.

4. The District should take steps to post the RP to its web site and provide a link to CESAD-RBT. Before posting to the web site, the names of Corps/Army employees should be removed.

5. The SAD point of contact is Mr. James Truelove, CESAD-RBT, 404-562-5121.

FOR THE COMMANDER:

Encl

CHRISTOPHER T. SMITH, P.E.
Chief, Business Technical Division

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

REPLY TO
ATTENTION OF

CESAM-PM-CM (1105) 13 February 2012

MEMORANDUM FOR CDR, SOUTH ATLANTIC DIVISION ATTN: CESAD-RBT (MR. CHRIS SMITH)

SUBJECT: Review Plan – Walton County Hurricane and Storm Damage Reduction

1. A copy of the subject Review Plan is enclosed for review and approval.

2. The Review Plan describes the technical review process to address the Walton County Hurricane and Storm Damage Reduction Project in Walton County, Florida. As for the Project Management Plan (PMP), the RP is a living document and may change as the project progresses.

3. If you have any questions, please call David Newell at (251) 690-2328.

David P. Newell

Encl

DAVID P. NEWELL, P.E.
Project Manager

REVIEW PLAN

Walton County Hurricane and Storm Damage Reduction

Walton County, Florida

Mobile District

FEBRUARY 2012

THE INFORMATION CONTAINED IN THIS REVIEW PLAN IS DISTRIBUTED SOLELY FOR THE PURPOSE OF PREDISSEMINATION PEER REVIEW UNDER APPLICABLE INFORMATION QUALITY GUIDELINES. IT HAS NOT BEEN FORMALLY DISSEMINATED BY THE U.S. ARMY CORPS OF ENGINEERS, MOBILE DISTRICT. IT DOES NOT REPRESENT AND SHOULD NOT BE CONSTRUED TO REPRESENT ANY AGENCY DETERMINATION OR POLICY.

US Army Corps of Engineers®
Mobile District

REVIEW PLAN

Walton County Hurricane and Storm Damage Reduction

Walton County, Florida

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REVIEW PLAN

Walton County Hurricane and Storm Damage Reduction

Walton County, Florida

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REVIEW PLAN

Walton County Hurricane and Storm Damage Reduction

Walton County, Florida

1. PURPOSE

The purpose of this Review Plan (RP) is to describe the technical review process for the Walton County Hurricane and Storm Damage Reduction Project in Walton County, Florida. As for the Project Management Plan (PMP), the RP is a living document and may change as the project progresses.

2. DESCRIPTION OF PROJECT

Walton County is located approximately 103 miles east of Pensacola, Florida and 98 miles west of Tallahassee, Florida, Figure 1. The beaches of Walton County encompass approximately 26 miles of shoreline extending from the City of Destin in Okaloosa County, Florida (about six miles to the east of East Pass) to the Walton/Bay County line near Phillips Inlet.

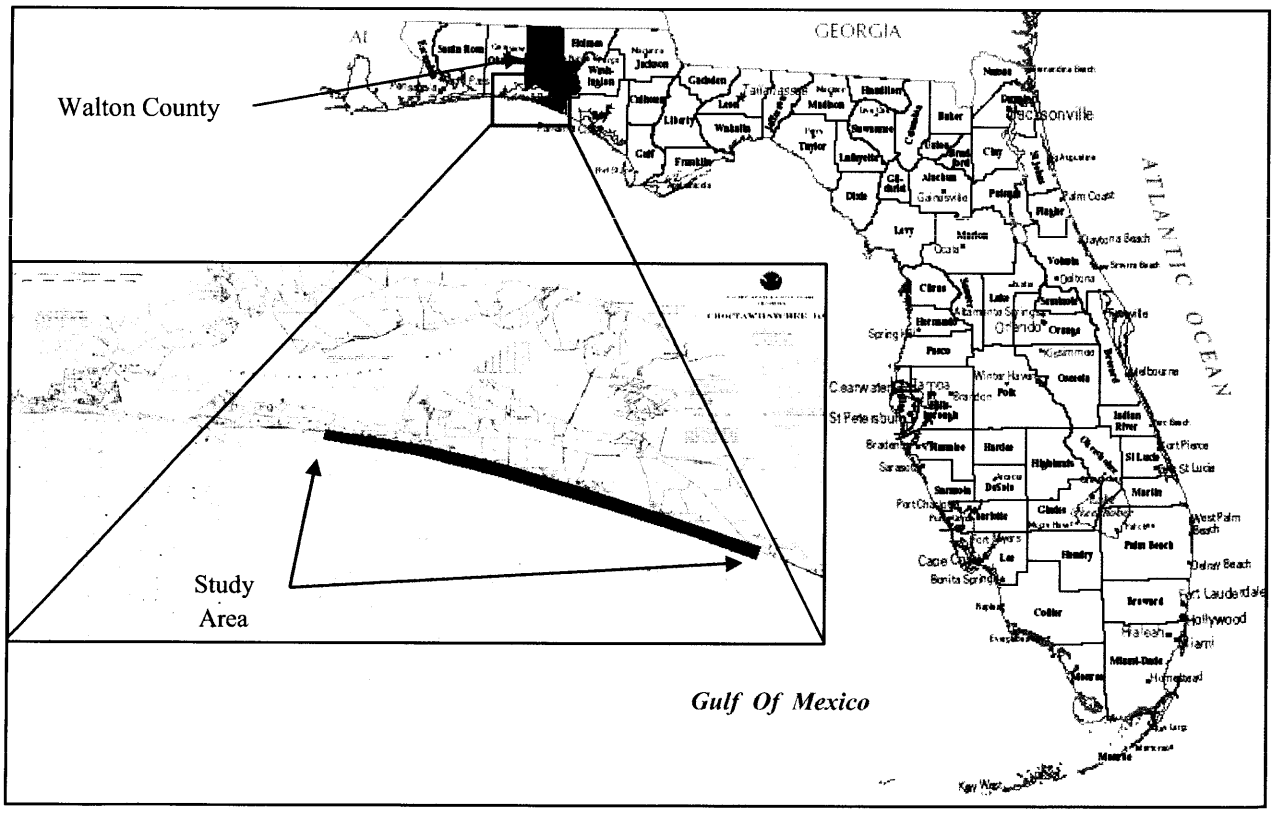

Figure 1 – Vicinity Map

The western two-thirds of Walton County are comprised of a coastal peninsula extending from the mainland, and the eastern third is comprised of mainland beaches. Choctawhatchee Bay lies north of the peninsula. Walton County includes 11.9 miles of state-designated critically eroding areas and three State of Florida park areas that cover approximately six miles of the 26-mile shoreline.This is a multi-purpose project to provide for hurricane and storm damage protection as well as environmental restoration and protection along the Gulf of Mexico coast of Walton County, Florida. The project will address the Gulf front beach and dune erosion and provide environmental protection. The project will include, but not be limited to, beach nourishment and periodic renourishment, dune restoration, and hardened structures.

3. DESCRIPTION OF WORK FOR REVIEW

This project is in the Preconstruction Engineering and Design Phase (PED). Products to be reviewed will include Plans and Specifications (P&S) and a Design Documentation Report (DDR). Required reviews will include District Quality Control (DQC) and Agency Technical Review (ATR).

4. BACKGROUND

A congressionally authorized Feasibility Study was conducted by the U.S. Army Corps of Engineers (Corps), Mobile District, and the Walton County Board of Commissioners which will be the Non-Federal Sponsor, to develop the Walton County Hurricane and Storm Damage Reduction Project. The study, completed in 2012, develops an economically feasible plan to replace both beach material lost to erosion and address the long-term placement of sand along the shoreline of Walton County. The plan was developed over an eight-year period with the involvement of public entities and Federal and State agencies.

The selected plan for construction consists of five construction reaches. The project is composed of a 50-foot berm width, a 25-foot berm and an additional 25 feet of advanced nourishment in all construction reaches. The project will also feature added dune width in all construction reaches of either 10 or 30 feet.

5. PROJECT DELIVERY TEAM

The Project Delivery Team (PDT) is comprised of those individuals involved directly in the development of the implementation documents. The individual contact information and disciplines of the Mobile District PDT are included in Attachment 1 of this document.

6. LEVELS OF REVIEW

This RP describes the levels of review and the anticipated review process for the various documents to be produced. This RP is a component of the PMP. The levels of review included

in this RP are DQC and ATR. Type II IEPR is not required as discussed below. DrChecks review software will be used to document all comments, responses, and associated resolutions accomplished throughout the review process. Comments have been limited to those that are required to ensure adequacy of the products.

7. DISTRICT QUALITY CONTROL REVIEW

All documents to be produced will undergo DQC review. This is the review of basic science and engineering work products focused on fulfilling the project quality requirements defined in the PMP. Major Subordinate Command (MSC) and District quality management plans address the conduct and documentation of this fundamental level of review. DQC will be managed by Mobile District in accordance with ER 1110-1-12, Engineering & Design Quality Management, EC-1165-2-209 and the District Quality Management Plan. The DQC will include quality checks and reviews, supervisory reviews, PDT reviews, and Biddability, Constructability, Operability and Environmental (BCOE) reviews required by ER 1110-1-12. The implementation documents to be reviewed are P&S and the DDR. The PDT is responsible to assure the overall integrity of the documents produced. The DQC review will be completed prior to submitting documents for ATR. The individual contact information and disciplines of the DQC review team are included in Attachment 1 of this document.

8. AGENCY TECHNICAL REVIEW

All documents produced as part of this effort will undergo ATR to ensure consistency with established criteria, guidance, procedures, and policy. The ATR will assess whether the analyses presented are technically correct and comply with published Corps guidance, that design plans and specifications and supporting analysis are clear, constructible, environmentally sustainable, operable and maintainable.

The ATR team will consist of the individuals that represent the significant disciplines involved in the accomplishment of the work. ATR will be managed within the Corps and conducted by senior Corps personnel outside of the Mobile District that are not involved in the day-to-day production of the project. DrChecks review software will be used to document all ATR comments, responses and associated resolutions accomplished throughout the review process. The documents to be reviewed are P&S and the DDR. The PDT will evaluate comments in DrChecks and revise materials as necessary. The ATR leader will be from outside the MSC, and must complete a statement of technical review for all final products and final documents. By signing the ATR certification, the district leadership certifies policy compliance of the document and also that the DQC activities were sufficient and documented. The individual contact information and disciplines of the ATR team are included in Attachment 1 of this document.

Disciplines Required for Review. At a minimum, the following disciplines should be represented on the ATR team:

Discipline	Required Expertise
ATR Lead	Team member should have minimum expertise such as having led prior ATRs, etc. The ATR lead may also have been a senior ATR reviewer on a similar type project within the past 5 years. ATR Team Lead can also serve as one of the review disciplines in addition to team leader duties.
Hydraulics/Coastal Engineering	Team member should have a minimum of 5 years experience with beach fill design and construction projects.
Geotechnical Engineer	Team member should have a minimum of 5 years experience to include geotechnical evaluation of boring logs and test data relative to beach fill design projects.
Structural Engineer	Team member should have a minimum of 5 years experience in structural design associated with beach fill design and construction projects.
Environmental Engineer/Protection Specialist	Team member(s) should have a minimum of 5 years experience in environmental evaluation and compliance requirements.
Civil Engineer (Operations)	Team member should have a minimum of 5 years experience with administration of contracts for civil works project construction.

9. INDEPENDENT EXTERNAL PEER REVIEW

Independent External Peer Review (IEPR) is the most independent level of review, and is applied in cases that meet certain criteria where the risk and magnitude of the proposed project are such that a critical examination by a qualified team outside of the Corps is warranted. There are variations in the scope and procedures for IEPR, depending on the phase and purposes of the project under review. For clarity, IEPR is divided into two types. A Type 1 IEPR is generally for decision documents developed during the feasibility phase, and a Type II IEPR is generally conducted when needed during the design and implementation phase. A Type I IEPR was conducted during the decision phase as recommended in the review plan for the feasibility report.

The District Chief of Engineering, as the Engineer-In-Responsible-Charge, does not recommend a Type II IEPR Safety Assurance Review for this project. The purpose of the Walton County, Florida Hurricane and Storm Damage Reduction Project is to develop a shore protection project which will reduce the damaging effects of hurricanes and severe storms to properties along the coast. The project does not have potential hazards that pose a significant threat to human life. Innovative materials or novel engineering methods will not be used. Redundancy, resiliency, or robustness is not required for design. Also, the project has no unique construction sequencing, or a reduced or overlapping design construction schedule. Therefore, a Type II IEPR of implementation documents will not be undertaken. This recommendation of not undertaking a

Type II IEPR on the implementation documents is consistent with the Type II IEPR recommendation contained in the review plan for the feasibility report. If the project scope is changed, this determination will be reevaluated.

10. REVIEW MANAGEMENT ORGANIZATION

The responsibilities of the Review Management Organization (RMO) are to assign the ATR team, to ensure that the ATR lead is outside the home Major Subordinate Command (MSC), and to manage the ATR and develop and prepare a "charge" to the ATR team. The RMO for this project is SAD as the MSC for this region. Mobile District will assist SAD with management of the ATR and development of the "charge".

11. POLICY AND LEGAL COMPLIANCE

The Finding of No Significant Impact (FONSI) and Section 404(b)1 Evaluation have been signed. Water Quality Certification (WQC) and Coastal Zone Consistency (CZC) have been issued by the State of Mississippi. USFWS Section 7 Concurrence and Historical Preservation Clearance have also been obtained.

All contract documents and supporting environmental documents will be reviewed by the Mobile District Office of Counsel prior to final contract award.

12. REVIEW SCHEDULE AND COSTS

The costs for DQC review and ATR are estimated to be approximately $10,000 and $20,000 respectively. The documents to be reviewed and scheduled dates for reviews are as follows:

Milestone	Review	Schedule Dates
100% Unreviewed P&S and DDR	DQC	13 Jun 2013
Final P&S and DDR	ATR	15 Aug 2013

13. PUBLIC PARTICIPATION

The RP will be made accessible to the public through the Mobile District website link http://www.sam.usace.army.mil/. Public review of the RP can begin as soon as it is approved by the Division Commander and posted by the Mobile District. Comments made by the public will be available to the review team.

14. MAJOR SUBORDINATE COMMAND (MSC) APPROVAL

The MSC is responsible for approving the RP as prepared by the Mobile District, including by delegation within the MSC. The Commander's approval reflects tvertical eam input as to the appropriate scope and level of review for the documents for review. Like the PMP, the RP is a living document and may change as the project progresses. Significant changes in the RP such as changes to the scope and/or level of review must be re-approved by the MSC Commnader following the process used for initially approving the RP. The latest version of the Review Plan, along with the MSC Commanders' approval memorandum, should be posted on the Home District's webpage. The latest Review Plan should also be provided to the RMO and home MSC.

REFERENCES

EC 1165-2-209, Civil Works Review Policy, 31 Jan 2010

WRDA 2007 H. R. 1495 Public Law 110-114, 8 Nov 2007

ER 1110-1-12, Engineering and Design Quality Management, 21 Jul 2006

ER 1110-2-1150, Engineering and Design for Civil Works Projects, 31 Aug 1999

ATTACHMENT 1 – TEAM ROSTER

Product Delivery Team Members

Office	Discipline	Name	Phone Number
CESAM-PM-CM	Project Manager	David Newell	(251) 690-2328
CESAM-EN-GG	Project Engineer (PAE)	Greg Miller	(251) 690-3115
CESAJ-CD-WM	Hydraulic(Coastal) Engineer	Elizabeth Godsey	(954) 436-9517
CESAM-EN-GG	Geotechnical Engineer	Ron Nettles	(251) 690-3437
CESAM-EN-DA	Structural	TBD	TBD
CESAM-EN-E	Cost	Joe Ellsworth	(251) 690-2628
CESAM-PD-EC	Environmental	Larry Parson	(251) 690-3139
CESAM-OP-TN	Operations	TBD	TBD
Walton County Board of Commissioners	Sponsor	Brad Pickel	

DQC Review Team Members

Office	Discipline	Name	Phone Number
CESAM-EN-GG	Geotechnical	TBD	TBD
CESAM-EN-DA	Structural	TBD	TBD
CESAM-PD-EC	Environmental	TBD	TBD

CESAM-EN-HH	Hydraulics/Coastal Engineering	TBD	TBD
CESAM-OP	Operations	TBD	(TBD

ATR Team Members

Office	Discipline	Name	Phone Number
TBD	ATR Lead	TBD	TBD
TBD	Geotechnical	TBD	TBD
TBD	Structural	TBD	TBD
TBD	Hydraulics/Coastal Engineering	TBD	TBD
TBD	Environmental	TBD	TBD
TBD	Operations	TBD	TBD

ATTACHMENT 2 - ACRONYMS AND ABBREVIATIONS

Term	Definition
ATR	Agency Technical Review
BCOE	Biddability, Constructability, Operability and Environmental Review
CORPS	U.S. Army Corps of Engineers
DQC	District Quality Control
DQC/QA	District Quality Control/Quality Assurance
EA	Environmental Assessment
EC	Engineer Circular
EIS	Environmental Impact Statement
ER	Engineer Regulation
HQUSACE	Headquarters, U.S. Army Corps of Engineers
IEPR	Independent External Peer Review
ITR	Independent Technical Review
MSC	Major Subordinate Command
NEPA	National Environmental Policy Act
OMB	Office and Management and Budget
PDT	Project Delivery Team
PMP	Project Management Plan
QA	Quality Assurance
QC	Quality Control
RMO	Review Management Organization
RP	Review Plan
SAR	Safety Assurance Review
TR	Technical Review
WRDA	Water Resources Development Act