



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

CESAD-RBT

7 July 2019

MEMORANDUM FOR Commander, Jacksonville District, 701 San Marco Boulevard,
Jacksonville, Florida 32207

SUBJECT: Approval of the Review Plan for the Coastal Storm Risk Management Project,
South Ponte Vedra and Vilano Beach Segments, St. Johns County, Florida

1. References:

a. Memorandum, CESAJ-EN-Q, 27 June 2019, subject as above.

b. Engineering Circular (EC) 1165-2-217, Water Resources Policies and Authorities
Review Policy for Civil Works, 20 February 2018.

2. The Review Plan (RP) for the Coastal Storm Risk Management Project, South Ponte Vedra
and Vilano Beach Segments and reference 1.a. noted above have been reviewed by South
Atlantic Division (SAD). The RP is hereby approved in accordance with reference 1.b.

3. SAD concurs with the District's RP recommendation that outlines the requirements for
District Quality Control (DQC), Agency Technical Review (ATR), and Biddability,
Constructability, Operability, Environmental and Sustainability (BCOES) Review. The Safety
Assurance Review/Type II Independent External Peer Review is not required. Documents to be
reviewed include the pre-final Plans and Specifications and the Design Documentation Report
(DDR).

4. The South Atlantic Division Office shall be the Review Management Organization for this
project.

5. The District should take steps to post the approved RP to its website and provide a link to
CESAD-RBT. Before posting to the website, the names of Corps/Army employees should be
removed. Subsequent significant changes to this RP, such as scope or level of review changes,
should they become necessary, will require new written approval from this office.

6. The SAD point of contact is [REDACTED].

[REDACTED]
Brigadier General, USA
Commanding



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
701 SAN MARCO BOULEVARD
JACKSONVILLE, FLORIDA 32207-8915

CESAJ-EN-Q

MEMORANDUM FOR Commander, South Atlantic Division (CESAD-RBT), 60 Forsyth Street SW, Room 10M15, Atlanta, GA 30303

SUBJECT: Approval of Review Plan for the Coastal Storm Risk Management Project South Ponte Vedra and Vilano Beach Segment, St. Johns County

1. References.

- a. Engineering Circular (EC) 1165-2-217, Review Policy for Civil Works, 20 Feb 18.
- b. Bipartisan Budget Act of 2018, Public Law 115-123, 9 Feb 2018.

2. I hereby request approval of the enclosed Review Plan for the Coastal Storm Risk Management Project South Ponte Vedra and Vilano Beach, St. Johns County and concurrence with the conclusion that a Type II Independent External Peer Review (IEPR) of the subject project is not required. The recommendation not to perform a Type II IEPR is based on the EC 1165-2-217 Risk Informed Decision Process as presented in the Review Plan. The Review Plan complies with applicable policy, provides for Agency Technical Review, and has been coordinated with the CESAD. It is my understanding that non-substantive changes to this Review Plan, should they become necessary, are authorized by CESAD.

3. The district will post the CESAD approved Review Plan to its website and provide a link to the CESAD for its use. Names of Corps/Army employees will be withheld from the posted version, in accordance with guidance.

4. If you have any questions regarding the information in this memo, please feel free to contact me or contact [REDACTED].

Encl



COL, EN
Commanding

PROJECT REVIEW PLAN

For

Preconstruction, Engineering and Design Phase Implementation Documents

For

St. Johns County, Florida Coastal Storm Risk Management Project South Ponte Vedra and Vilano Beach Segment

Project P2 number: 475652

Jacksonville District

June 2019



**US Army Corps
of Engineers** ®

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, JACKSONVILLE DISTRICT. IT DOES NOT REPRESENT AND SHOULD NOT BE CONSTRUED TO REPRESENT ANY AGENCY DETERMINATION OR POLICY.

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ATTACHMENT B - Partial List of Acronyms and Abbreviations

ATTACHMENT C - ATR Report Outline and Completion of Agency Technical Review Form

1. PURPOSE AND REQUIREMENTS

a. Purpose

This Review Plan defines the scope of review activities for the South Ponte Vedra and Vilano Beach Segment of the St. Johns County Coastal Storm Risk Management (CSRSM) Project in St. Johns County, Florida. As discussed below, the review activities consist of a District Quality Control (DQC) effort, an Agency Technical Review (ATR), and a Biddability, Constructability, Operability, Environmental, and Sustainability (BCOES) Review. Also, as discussed below, an Independent External Peer Review (IEPR) is not recommended. The St. Johns County Shore Protection project is currently in the Pre-Construction Engineering and Design (PED) phase. The implementation documents to be reviewed are Plans and Specifications (P&S) and a Design Documentation Report (DDR). Upon approval, this Review Plan will be included into the Project Management Plan (PMP) for this project as an appendix to the Quality Management Plan (QMP). This Review Plan covers the initial construction contract.

b. References

- (1). ER 1110-2-1150, Engineering and Design for Civil Works Projects, 31 August 1999
- (2). ER 1110-1-12, Engineering and Design Quality Management, 31 March 2011
- (3). EC 1165-2-217, Review Policy for Civil Works, 20 February 2018
- (4). ER 415-1-11, Biddability, Constructability, Operability, Environmental, and Sustainability (BCOES) Review, 1 January 2013
- (5). 02611-SAJ Quality Control of In-House Products: Civil Works PED, 21 November 2011
- (6). Project Management Plan for the St. Johns County Shore Protection Project (P2# 475652)

c. Requirements

This Review Plan was developed in accordance with EC 1165-2-217, which establishes an accountable, comprehensive, life-cycle review strategy for Civil Works products by providing a seamless process for review of all Civil Works projects from initial planning through design, construction, and Operation, Maintenance, Repair, Replacement and Rehabilitation (OMRR&R). The EC provides the procedures for ensuring the quality and credibility of U.S. Army Corps of Engineers (USACE) decision, implementation, and operations and maintenance documents and other work products. The EC outlines five levels of review: DQC, ATR, IEPR, BCOES, and Policy and Legal Review.

d. Review Plan Approval and Updates

The South Atlantic Division (SAD) Commander or their designee is responsible for approving this Review Plan. The Commander's approval reflects vertical team input as to the appropriate scope and level of review. Like the PMP, the Review Plan is a living document and may change as the project progresses. The Jacksonville District (SAJ) is responsible for keeping the Review Plan up to date. Minor changes to the Review Plan since the last Major Subordinate Command (MSC) Commander approval will be documented in Attachment A. Significant changes to the Review Plan (such as changes to the scope and/or level of review) should be re-approved by the SAD Commander following the process used for initially approving the plan. The latest version of the Review Plan, along with the Commander's

approval memorandum, will be posted on the SAJ's webpage. The latest Review Plan will be provided to SAD.

2. PROJECT INFORMATION

a. Project Location

St. Johns County is located in the northeast Atlantic coast of Florida, midway between the Florida/Georgia state line and Cape Canaveral (Figure 1). The county is bounded to the north by Duval County and to the south by Flagler County. The county has approximately 42 miles of Atlantic coastal shoreline composed of three barrier islands separated by St. Augustine Inlet and Matanzas Inlet. The South Ponte Vedra Beach and Vilano Beach reaches are located north of the St. Augustine Inlet, and the Summer Haven reach is located south of the Matanzas Inlet.

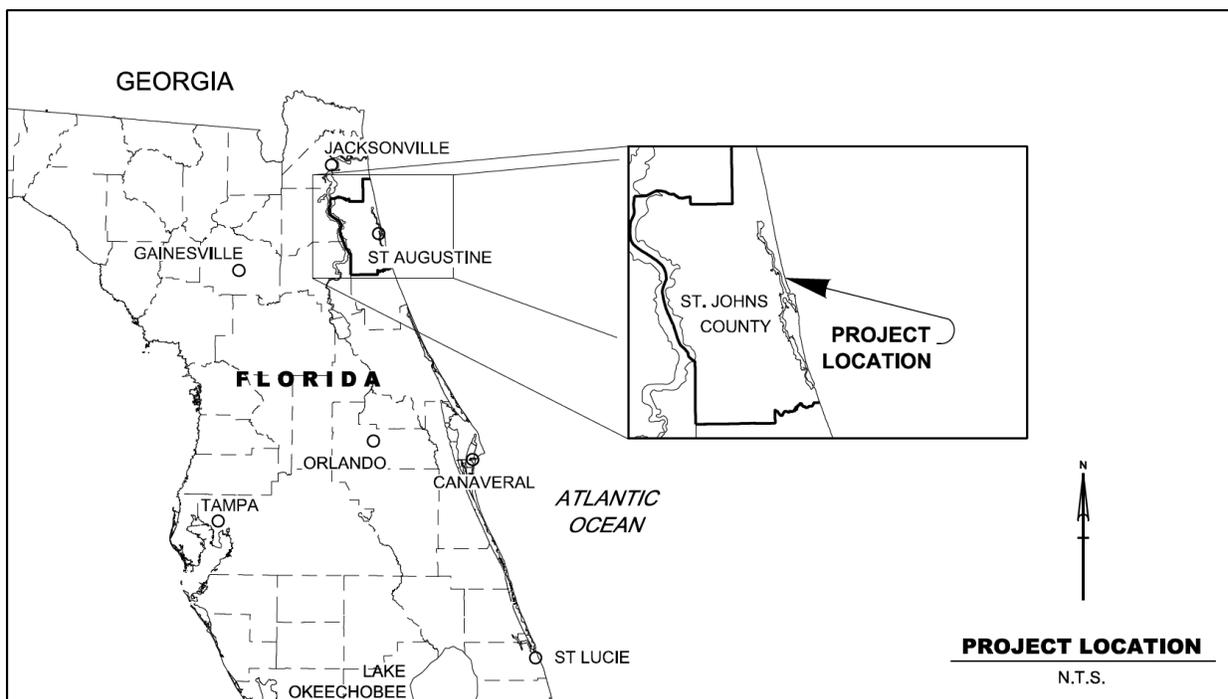


Figure 1: Project Location

b. Project Background

The Rivers and Harbors Act of 1962 gave the Secretary of the Army broad authorization to survey coastal areas of the United States and its possessions in the interest of beach erosion control, hurricane protection, and related purposes, provided that surveys of particular areas would be authorized by appropriate resolutions (Public Law 87-874, Section 110). Under this authorization, portions of the St. Johns County shoreline experiencing severe erosion were studied. The St. Johns County, Florida, General Reevaluation Report (GRR) (USACE 1998) recommended beach nourishment along the ocean shoreline of St. Augustine Beach. Initial construction of the St. Augustine Beach Project was completed in January 2003. On June 21, 2000, House Resolution 2646 granted authority for a survey of the entire St. Johns County oceanfront shoreline, which reads as follows:

“Resolved by the Committee on Transportation and Infrastructure of the United States House of Representatives, That in accordance with Section 110 of the Rivers and Harbors Act of 1962, the Secretary of the Army, acting through the Chief of Engineers, is requested to survey the shores of St. Johns County, Florida, with particular reference to the advisability of providing beach erosion control works in the area north of St. Augustine Inlet, the shoreline in the vicinity of Matanzas Inlet, and adjacent shorelines, as may be necessary in the interest of hurricane protection, storm damage reduction, beach erosion control, and other related purposes.”

This resolution authorized a Reconnaissance Report (Section 905(b) Analysis) to address the Federal interest. The report, completed in January 2004 and approved in April 2004, concluded that there was a Federal interest in conducting a feasibility study for the beaches of St. Johns County. The study area for the reconnaissance report included the entire St. Johns County coastline, but focused on 1.4 miles of Vilano Beach and 2.4 miles of Summer Haven reaches. These areas were selected based on the following: the shoreline lengths were designated as “critically eroded” by the Florida Department of Environmental Protection (FDEP), other portions of the St. Johns County shoreline had authorized Federal CSRMs projects, such as St. Augustine Beach, or other portions of shoreline did not include infrastructure susceptible to damage. The South Ponte Vedra Beach reach was added to the study area after the reconnaissance report was completed in 2004. Its addition was requested by the sponsor due to increased erosion occurring around R90 in 2007. Significant and rapid loss of beach and dunes protecting several structures, including portions of State Road A1A (SR A1A), a major evacuation route for the region and designated a National Scenic and Historic Coastal Byway, led to the FDEP designating R84 to R94 (2 miles) as “critically eroded.” South Ponte Vedra Beach’s geographic proximity to the Vilano Beach reach, as well as its similar development and storm damage issues, made its inclusion in this feasibility study reasonable. The southern boundary of the South Ponte Vedra Beach reach was extended to R104 to abut the Vilano Beach reach and to investigate the feasibility of providing uninterrupted shore protection along the coast. Additionally, the Vilano Beach reach in the feasibility study was expanded south to St. Augustine Inlet, beyond the bounds of the state’s designated critical erosion area, at the sponsor’s request, in order to fully evaluate this section of the county shoreline as a contiguous system. The boundaries of all of the subject reaches and the FDEP R-monuments are illustrated in Figure 2. The three reaches comprised 9.8 miles and include, from north to south:

- South Ponte Vedra: R84 to R104 (3.8 miles)
- Vilano Beach: R104 to R117 (2.6 miles) and R117 to St. Augustine Inlet north sand trap groin (1.1 miles) totaling 3.7 miles
- Summer Haven: R197 to R209 (2.3 miles)

The St. Johns County CSRMs Final Integrated Feasibility Study and Environmental Assessment (EA), completed in March 2017, investigated alternatives for a unified plan that address coastal storm risk management, as well as incidental opportunities for maintenance of environmental habitat and recreation for the three reaches listed above. The Chief of Engineer’s Report was signed on August 8, 2017 recommending beach and dune nourishment within the Vilano Beach reach and a small portion of the South Ponte Vedra Beach reach. Authorization for construction was provided in Section 1401 (3) of the Water Resources Development Act of 2018, Public Law 115-27.



Figure 2: Study Area of Integrated Feasibility Study and Environmental Assessment

c. Project Description

The authorized St. Johns County CSRSM Project will provide coastal storm risk management to a number of residences and commercial structures, including 105 single-family residences, 9 multi-family residences, and 5 commercial structures. The project will also reduce damages to a key piece of critical infrastructure, SR A1A, increasing the accessibility of the Recommended Plan area and uninterrupted ingress/egress of emergency vehicles and affected population during storm events, as well as the daily traffic count of up to 14,000 vehicles per day.

The authorized plan includes beach fill placement to construct a 60-foot equilibrated berm extension (+8.0 ft NAVD88 contour) from the 2015 condition (Figure 3). To accomplish the aforementioned equilibrated berm width, a 145-foot to 175-foot wide construction berm will be placed to account for post-construction equilibration. The beach fill will be placed between R103.5 and R116.5, with tapers extending approximately 1000 feet to the north and south thereof. The addition of tapers results in sand placement from R102.5 to R117.5 along approximately 3.1 miles of shoreline (Figure 4). The design will include a dune feature that reflects the average 2015 dune condition. The authorized borrow source is the St. Augustine Inlet system, including associated shoals and the Federal navigation channel.

- Number of Nourishment Events: 1 initial construction event, 3 periodic nourishment events (over 50 years)
- Periodic Nourishment Interval: 12 years (average)
- Volume of Initial Construction: 1,310,000 cubic yards (approximate)
- Volume of Each Periodic Nourishment: 866,000 cubic yards (approximate)

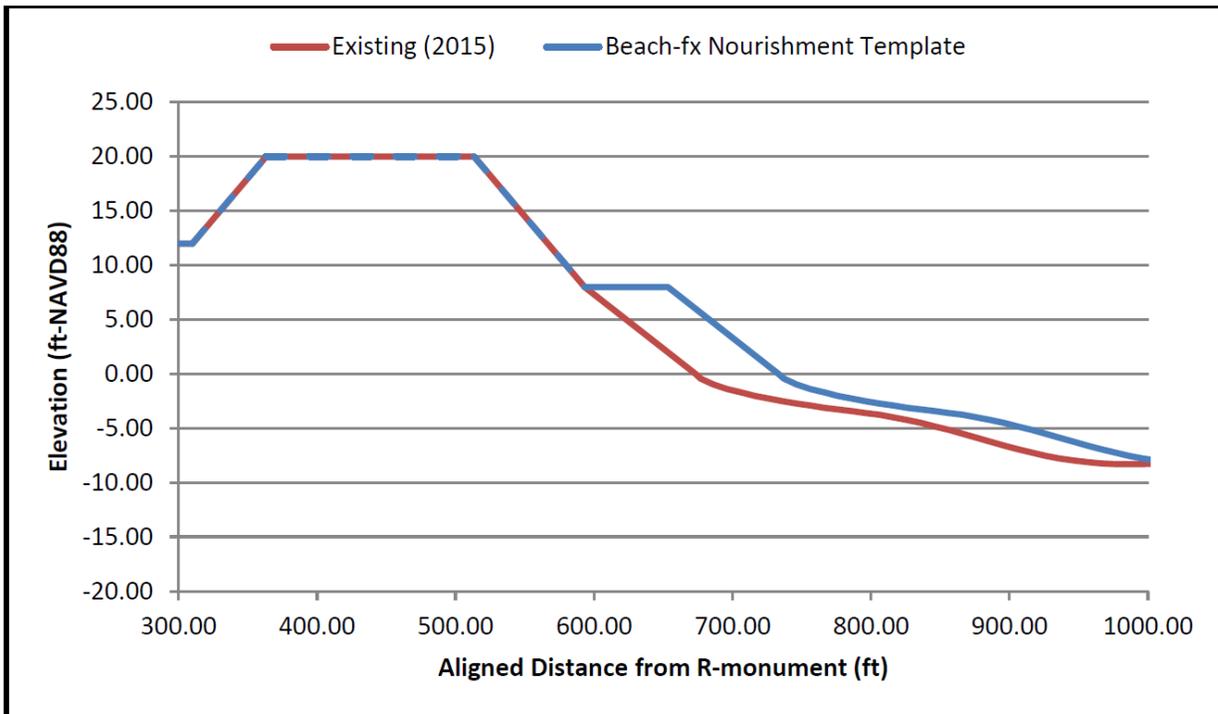


Figure 3: Cross Section of the Authorized Project Design



Figure 4: Placement Area of the Authorized Project

d. Public Participation

The SAJ's Corporate Communications Office continually keeps the public informed on SAJ projects and activities. There are no controversial concerns, planned activities, public participation meetings, or workshops that could generate issues needing provision to review teams. The project Review Plan will be posted on the SAJ's webpage. Any comments or questions regarding the Review Plan will be addressed by SAJ.

e. In-Kind-Contributions by Project Sponsor

There are no in-kind sponsor contributions related to the P&S and DDR that will affect this Review Plan or related reviews.

f. Civil Works Cost Engineering Mandatory Center of Expertise Review and Certification

The Cost Engineering Mandatory Center of Expertise (MCX) was engaged after the planning study was approved for fiscal year budgeting. SAJ Cost Engineering has available the most recent cost certification for this project for which the construction funds were requested. This certification is available upon request. No additional reviews will be executed by the Cost Engineering MCX for the Preconstruction Engineering and Design (PED) implementation documents addressed by this Review Plan. During the PED phase, reviews typically focus on the design as it relates to the authorization and the effectiveness.

3. DISTRICT QUALITY CONTROL

a. Requirements

All implementation documents (including supporting data, analyses, environmental compliance documents, etc.) shall undergo a DQC. A DQC is an internal review process of basic science and engineering work products focused on fulfilling the project quality requirements defined in the PMP. DQC will be performed on P&S and DDR in accordance with SAJ's Engineering Division Quality Management System (EN QMS). The EN QMS defines DQC as the sum of two reviews, Discipline Quality Check and Review (DQCR) and Product Quality Control Review (PQCR).

b. Documentation

DQCRs occur during the design development process and are carried out as a routine management practice by each discipline. Checklists are utilized by each discipline to facilitate the review and to document the DQCR review comments. Certification of the DQCR is signed by the Branch Chief certifying that all design analyses and products have been completed in accordance with the EN QMS process prior to release from the Branch.

The PQCR shall ensure consistency and effective coordination across all disciplines and shall assure the overall coherence and integrity of the products. Review comments and responses for this review will be documented in DrCheckssm. The PQCR shall be QC certified by the Engineering Technical Lead (ETL), all applicable Section and Branch Chiefs, and the Division Chief. This PQCR certification signifies that all DQCR Certifications are complete, as well as the PQCR.

4. AGENCY TECHNICAL REVIEW

a. Risk Informed Decision on Appropriate Level of Review

PED phase implementation documents are being prepared. Therefore, an ATR of the pre-final P&S and DDR documents will be undertaken for the design of the initial construction project.

b. Agency Technical Review Scope

ATR is undertaken to "ensure the quality and credibility of the government's scientific information" in accordance with EC 1165-2-217 and ER 1110-1-12.

ATR will be conducted by individuals and organizations that are external to the SAJ. The ATR Team Leader will be a USACE employee outside the South Atlantic Division. The required disciplines and experience are described below.

ATR comments will be documented in the DrCheckssm model review documentation database. DrCheckssm is a module in the ProjNetsm suite of tools developed and operated at ERDC-CERL (www.projnet.org). At the conclusion of ATR, the ATR Team Leader will prepare an ATR Review Report that summarizes the review. An outline for an ATR Review Report is in Attachment C. The report will include at a minimum the Charge to Reviewers, ATR Certification Form from EC 1165-2-217, and the DrCheckssm printout of the comment resolution.

c. ATR Disciplines

As stipulated in ER 1110-1-12, ATR members will be sought from the following sources: regional technical specialists (RTS); subject matter experts (SME) certified in CERCAP; senior level experts from other districts; Center of Expertise staff; experts from other USACE commands; contractors; academic or other technical experts; or a combination of the above. The ATR Team will be comprised of the following disciplines; knowledge, skills and abilities; and experience levels.

ATR Team Leader. The ATR Team Leader shall be from outside SAD and should have a minimum of 5 years of experience with shore protection projects. The ATR Team Leader may be a co-duty with one of the other review disciplines.

Civil Engineering/Dredging Operations. The team member shall be a registered professional engineer with 7 years of dredging operations and/or civil/site work project experience that includes dredging and disposal operations and shore protection project features.

Construction Management. The team member shall have 5 years of construction management experience with beach nourishment.

Geotechnical Engineering and Engineering Geology. The team member shall be a registered professional and possess a minimum of 7 years of experience with geologic and geotechnical analyses that are used to support the development of P&S for shore protection projects.

5. BIDDABILITY, CONSTRUCTABILITY, OPERABILITY, ENVIRONMENTAL, AND SUSTAINABILITY REVIEW

The value of a BCOES review is based on minimizing problems during the construction phase through effective checks performed by knowledgeable, experienced personnel prior to

advertising for a contract. BCOES review requirements must be emphasized throughout the planning and design processes for all programs and projects, including during planning and design. This will help to ensure that the government's contract requirements are clear, executable, and readily understandable by private sector bidders or proposers. It will also help ensure that the construction may be done efficiently and in an environmentally sound manner, and that the construction activities and projects are sufficiently sustainable. Effective BCOES reviews of design and contract documents will reduce risks of cost and time growth, unnecessary changes and claims, as well as support safe, efficient, sustainable operations and maintenance by the facility users and maintenance organization after construction is complete. A BCOES Review will be conducted for this project. Requirements and further details are stipulated in ER 1110-1-12, ER 415-1-11, and SAJ EN QMS 02611.

6. INDEPENDENT EXTERNAL PEER REVIEW

a. General.

EC 1165-2-217 provides implementation guidance for both Sections 2034 and 2035 of the Water Resources Development Act (WRDA) of 2007 (Public Law (P.L.) 110-114). The EC addresses review procedures for both the Planning and the Design and Construction Phases (also referred to in USACE guidance as the Feasibility and the Pre-construction, Engineering and Design Phases). The EC defines Section 2035 Safety Assurance Review (SAR), Type II Independent External Peer Review (IEPR). The EC also requires Type II IEPR be conducted outside USACE.

b. Type I Independent External Peer Review Determination.

A Type I IEPR is primarily associated with decision documents. A Type I IEPR is not applicable to the implementation documents covered by this Review Plan.

Type II Independent External Peer Review Determination.

This project does not trigger WRDA 2007 Section 2035 factors for Safety Assurance Review (termed Type II IEPR in EC 1165-2-217). Therefore, a review under Section 2035 is not required. The factors in determining whether a review of design and construction activities of a project are necessary as stated under Section 2035, along with this Review Plan's applicability statements, follow:

- (1) The failure of the project would pose a significant threat to human life.

Failure of the project would not pose a threat to human life. The project consists of the placement of sand along eroded beaches.

- (2) The project involves the use of innovative materials or techniques.

This project will utilize methods and techniques used by the Corps of Engineers on other similar works.

- (3) The project design lacks redundancy.

The U.S. Army Corps of Engineers, Jacksonville District, has successfully designed dozens of projects of similar scope throughout the coast of Florida, including the St. Augustine Shore Protection Project located in St. Johns County.

(4) The project has unique construction sequencing or a reduced or overlapping design construction schedule.

The project does not have or pose unique sequencing or a reduced or overlapping design. The construction sequencing and design construction schedule is typical of other projects conducted by the U.S. Army Corps of Engineers, Jacksonville District.

Based on the discussion above, the District Chief of Engineering, as the Engineer-In-Responsible-Charge, does not recommend a Type II IEPR of the P&S and DDR.

7. POLICY AND LEGAL COMPLIANCE

The SAJ Office of Counsel reviews all contract actions for legal sufficiency in accordance with Engineer Federal Acquisition Regulation Supplement 1.602-2 Responsibilities. The subject implementation documents and supporting environmental documents will be reviewed for legal sufficiency prior to advertisement. Once approved, SAJ will post the approved review plan on the SAJ web site for viewing by the public.

8. MODEL CERTIFICATION AND APPROVAL

The project does not use any models that have not been approved for use by USACE.

PROJECT DELIVERY TEAM DISCIPLINES

PDT Disciplines
Civil/Coastal Engineering
Construction Management
Environmental Sciences
Coastal Geology

9. BUDGET AND SCHEDULE

a. Project Milestones.

Task	Date
DQCR Review	12 JUN 2019 - 3 JUL 2019
DQCR Certification	3 JUL 2019
PQCR Review	26 JUN 2019 - 17 JUL 2019
PQCR Certification	17 JUL 2019
ATR Review	18 JUL 2019 - 3 SEP 2019
ATR Certification	3 SEP 2019
BCOES Review	4 SEP 2019 - 30 Oct 2019
BCOES Certification	30 DEC 2019

b. ATR Cost.

Funds will be budgeted to execute ATR and schedule as outlined above. It is envisioned that each reviewer will be afforded 24 hours review plus 8 hours for coordination. The estimated cost range is \$30,000 - \$35,000.

ATTACHMENT A: APPROVED REVIEW PLAN REVISIONS

Revision Date	Description of Change	Page / Paragraph Number

ATTACHMENT B: PARTIAL LIST OF ACRONYMS AND ABBREVIATIONS

<u>Acronyms</u>	<u>Defined</u>
AFB	Alternatives Formulation Briefing
ATR	Agency Technical Review
BCOES	Biddability, Constructability, Operability, Environmental, and Sustainability Review
CAP	Continuing Authorities Program
CERCAP	Corps of Engineers Reviewer Certification and Access Program
CY	Cubic Yards
DDR	Design Documentation Report
DQC	District Quality Control
DQCR	Discipline Quality Control Review
EC	Engineering Circular
EA	Environmental Assessment
ER	Engineering Regulation
ERDC-CERL	Engineer Research and Development Center – Construction Engineering Research Laboratory
ESA	Endangered Species Act
ETL	Engineering Technical Lead
FDEP	Florida Department of Environmental Protection
FONSI	Findings of No Significant Impacts
FSCA	Feasibility and Cost Sharing Agreement
FY	Fiscal Year
GRR	General Reevaluation Report
IEPR	Independent External Peer Review
LPP	Locally Preferred Plan
MCX	Mandatory Center of Expertise
MLLW	Mean Low Low Water
MSC	Major Subordinate Command
NAS	National Academy of Sciences
NEPA	National Environmental Policy Act
ODMDS	Ocean Dredged Material Disposal Site
OMB	Office of Management and Budget
OMRR&R	Operation, Maintenance, Repair, Replacement and Rehabilitation
P&S	Plans and Specifications
PED	Preconstruction Engineering and Design
PDT	Project Delivery Team
PM	Project Manager
PMP	Project Management Plan

<u>Acronyms</u>	<u>Defined</u>
PPA	Project Partnering Agreement
PQCR	Product Quality Control Review
QA	Quality Assurance
QCP	Quality Control Plan
QMP	Quality Management Plan
QMS	Quality Management System
RMC	Risk Management Center
RMO	Review Management Organization
RP	Review Plan
RTS	Regional Technical Specialist
SAJ	South Atlantic Jacksonville District Office
SAD	South Atlantic Division Office
SAR	Safety Assurance Review (also referred as Type II IEPR)
SME	Subject Matter Expert
USACE	U.S. Army Corps of Engineers
WRDA	Water Resources and Development Act

ATTACHMENT C:

ATR REPORT OUTLINE AND COMPLETION OF AGENCY TECHNICAL REVIEW

Implementation Documents St. Johns County, Florida Coastal Storm Risk Management
Project South Ponte Vedra and Vilano Beach Segment

ATR REPORT OUTLINE (Unneeded items, such as ATR Team Member Disciplines that are not identified as needed in the Review Plan, shall be deleted from the ATR Report.)

1. Introduction:

2. ATR Team Members:

ATR Team Leader
Civil/Dredging Operations
Construction Management
Geotechnical

3. ATR Objective:

4. Documents Reviewed:

5. Findings and Conclusions:

6. Unresolved Issues:

COMPLETION OF AGENCY TECHNICAL REVIEW

The Agency Technical Review (ATR) has been completed for the Preconstruction, Engineering and Design Phase Implementation Documents for the Coastal Storm Risk Management Project, South Ponte Vedra and Vilano Beach Segment, St. Johns County, Florida, including the design documents, plans and specifications and DDR. The ATR was conducted as defined in the project's Review Plan to comply with the requirements of EC 1165-2-217 and ER 1110-1-12. During the ATR, compliance with established policy principles and procedures, utilizing justified and valid assumptions, was verified. This included review of: assumptions, methods, procedures, and material used in analyses, alternatives evaluated, the appropriateness of data used and level obtained, and reasonableness of the results, including whether the product meets the customer's needs consistent with law and existing US Army Corps of Engineers policy. The ATR also assessed the District Quality Control (DQC) documentation and made the determination that the DQC activities employed appear to be appropriate and effective. All comments resulting from the ATR have been resolved and the comments have been closed in DrChecks.

NAME
ATR Team Leader

Date

NAME
Project Manager

Date

NAME
Review Management Office Representative

Date

CERTIFICATION OF AGENCY TECHNICAL REVIEW

Significant concerns and the explanation of the resolution are as follows: [Describe the major technical concerns and their resolution.](#)

As noted above, all concerns resulting from the ATR of the project have been fully resolved.

NAME
Chief, Engineering Division
SAJ-EN

Date