



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

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

SUBJECT: Approval of the Review Plan for the Fort Pierce Shore Protection Project, St. Lucie
County, Florida

1. References:

a. Memorandum, CESAJ-EN-Q, 2020.05.15, 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 enclosed Review Plan (RP) for the Fort Pierce Shore Protection Project and reference 1.a.
noted above have been reviewed by South Atlantic Division (SAD). SAD concurs with the
conclusion that a Type II Independent External Peer Review (IEPR)/ Safety Assurance Review
(SAR) of the subject project is not required. 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. Documents to be reviewed
include the 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], CESAD-RBT, [REDACTED].

Encl

[REDACTED]
Major General, USA
Commanding



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
701 SAN MARCO BOULEVARD
JACKSONVILLE, FLORIDA
32207-8175

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 Fort Pierce Shore Protection Project, St. Lucie County, Florida

1. References:

- a. Engineering Circular (EC) 1165-2-217, Review Policy for Civil Works, 20 Feb 18.
- b. Flood Control Act of 1946, Public Law 79-526, 24 Jul 46.

2. I hereby request approval of the enclosed Review Plan for the Fort Pierce Shore Protection Project, St. Lucie County, Florida 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 SAD. It is my understanding that non-substantive changes to this Review Plan, should they become necessary, are authorized by SAD.

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

4. Point of contact is [REDACTED], Engineering Review Manager, [REDACTED] of [REDACTED].

[REDACTED]

COL, EN
Commanding

PROJECT REVIEW PLAN

For

Preconstruction, Engineering and Design Phase Implementation Documents

For

Fort Pierce Shore Protection Project FY20 St. Lucie County, FL

Project P2 number: 113090

Jacksonville District

May 2020



**US Army Corps
of Engineers®**

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1. PURPOSE AND REQUIREMENTS

a. Purpose

This Review Plan (RP) for the Fort Pierce Shore Protection Project (SPP), St. Lucie County, Florida, will help ensure a quality engineering project is developed by the U.S. Army Corps of Engineers (USACE) in accordance with EC 1165-2-217, "Review Policy for Civil Works." As part of the Project Management Plan (PMP), this RP establishes an accountable, comprehensive, life-cycle review strategy for Civil Works products and lays out a value-added process and describes the scope of review for the current phase of work. The EC outlines five general levels of review: District Quality Control/Quality Assurance (DQC/QA), Agency Technical Review (ATR), Biddability, Constructability, Operability, Environmental, and Sustainability (BCOES) Review, Independent External Peer Review (IEPR), and Policy and Legal Compliance Review. This RP will be provided to the Project Delivery Team (PDT), and the DQC, ATR, and BCOES Teams. The technical review efforts addressed in this RP, DQC and ATR, are to augment and complement the policy review processes. The District Chief of Engineering has assessed that the life safety risk of this project is not significant; therefore, a Type II IEPR/Safety Assurance Review (SAR) will not be required, see Paragraph 6. Any levels of review not performed in accordance with EC 1165-2-217 will require documentation in the RP of the risk-informed decision not to undertake that level of review.

b. References

- (1). ER 1110-2-1150, "Engineering and Design for Civil Works Projects," dated 31 August 1999
- (2). ER 1110-1-12, "Engineering and Design Quality Management," dated 31 March 2011
- (3). EC 1165-2-217, "Review Policy for Civil Works," dated 20 February 2018
- (4). CECW-CE Memorandum, "Interim Guidance on Streamlining Independent External Peer Review (IEPR) for Improved Civil Works Product Delivery," dated 5 April 2019
- (5). ER 415-1-11, "Biddability, Constructability, Operability, Environmental, and Sustainability (BCOES) Review," dated 1 January 2013
- (6). 02611-SAJ EN Quality Control of In-House Products: Civil Works, dated 4 December 2017
- (7). Enterprise Standard (ES)-08025, Government Construction Quality Assurance Plan and Project/Contract Supplements
- (8). Enterprise Standard (ES)-08026, Three Phase Quality Control System
- (9). Project Management Plan for Fort Pierce Short Protection Shore Beach Renourishment Project St. Lucie County, Florida, P2 #113090

c. Requirements

This RP 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 USACE decision, implementation, and operations and maintenance documents and other work products.

d. Review Plan Approval and Updates

The South Atlantic Division (SAD) Commander is responsible for approving this RP. The Commander's approval reflects vertical team input as to the appropriate scope and level of review. Like the PMP, the RP is a living document and may change as the project progresses. The Jacksonville District (SAJ) is responsible for keeping the RP up to date. Minor changes to the RP since the last SAD Commander's approval will be documented in Attachment A. Significant changes to the RP (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 RP, along with the Commander's approval memorandum, will be posted on SAJ's webpage. The latest RP will be provided to SAD.

e. Review Management Organization (RMO)

SAD is designated as the Review Management Organization (RMO). The RMO, in cooperation with the vertical team, will approve the ATR Team members. SAJ will assist SAD with management of the ATR and development of the charge to reviewers.

2. PROJECT INFORMATION

a. Project Location and Name

Fort Pierce Beach is located in St. Lucie County on Hutchinson Island on the east coast of Florida. Fort Pierce Beach is about 120 miles north of Miami and about 225 miles south of Jacksonville, Florida, immediately adjacent to the Federal navigation project at Fort Pierce Inlet. St. Lucie County has 21.5 miles of Atlantic Ocean coastline. The authorized project extends southerly for a distance of 1.3 miles from the south jetty at the entrance to the Fort Pierce Harbor Federal navigation project to include Surfside Park at its southern limit. This corresponds with the Florida Department of Environmental Protection (DEP) Monuments R-34 to T-41.

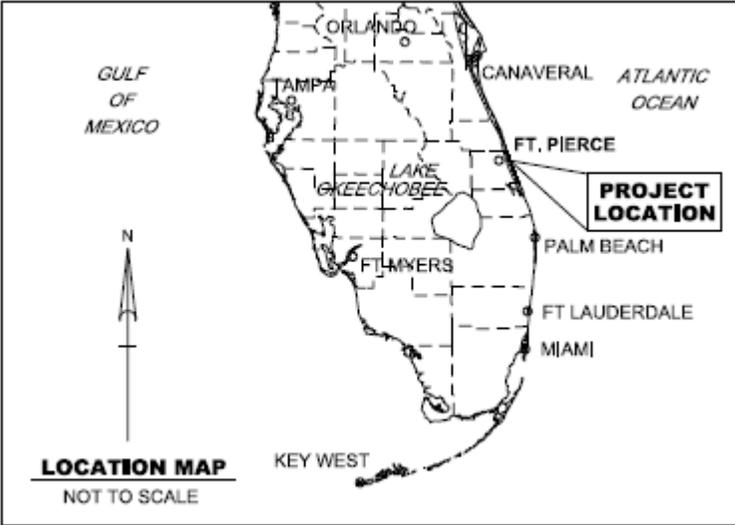


Figure 1: Fort Pierce Project Location Map

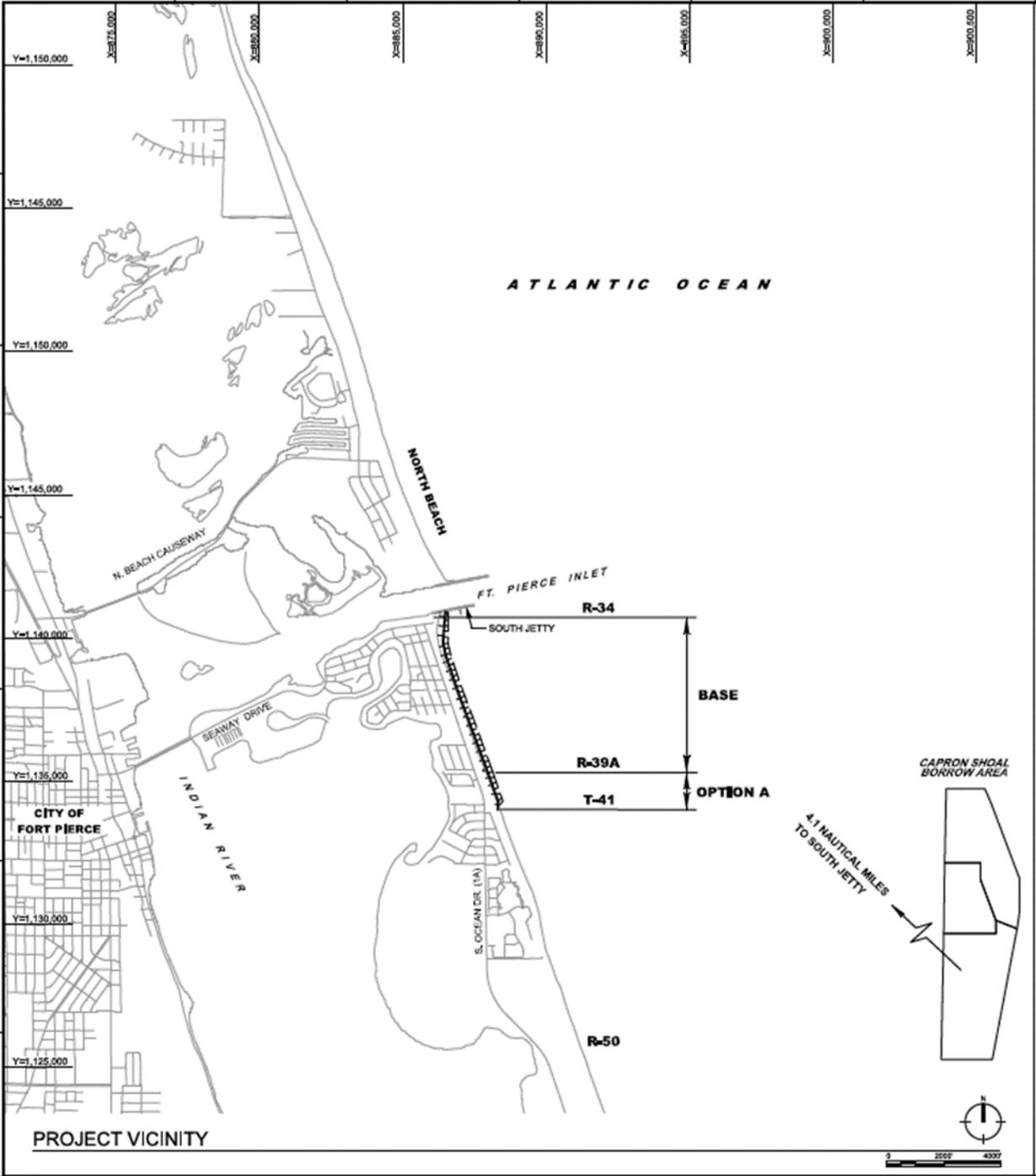


Figure 2: Fort Pierce Project Map

b. Project Authorization

The Fort Pierce, Florida, Shore Protection Project in St. Lucie county, Florida, was authorized by the River and Harbor Act of 1965 (PL 89-298, 79 Stat. 1089, 1092) in accordance with the recommendations of the Chief of Engineers' in the House Document (HD) 84, 89 Congress. The authorization provided for the restoration of 1.3 miles of shoreline south of Fort Pierce Inlet. The initial authorization was for 10 years.

Under the authority of Section 156 of WRDA of 1976 (PL 94-587), the Chief of Engineers extended Federal participation to fifteen years from initial construction. Federal participation expired in 1986, fifteen years after the initial construction fill was placed in 1971. Section 934 of WRDA of 1986 (PL 99-662) amended Section 156 of WRDA of 1976 to give the Secretary of the Army, acting through the Chief of Engineers, discretionary authority to extend Federal participation to the fiftieth year after the date of initial construction of a shore protection project. A Section 934 Reevaluation Report was completed in May 1995, which found continued nourishment was economically and environmentally sound and the report was approved; however, Federal participation was not extended. Although not approved by the USACE as discussed above, Congress added Section 506(a)(2) of WRDA of 1996 (PL 104-303), which authorized the extension of Federal participation in the periodic nourishment for a period of fifty years, beginning on the date of initiation of initial construction of the project.

The 2006 Ft. Pierce, St. Lucie County, Florida, Shore Protection Project Limited Reevaluation Report with Environmental Assessment (2006 LRR) prepared by SAJ specified a future renourishment volume of 529,000 cy on a 2-year interval, which equates to a rate of 264,500 cy/yr. The 2012 St. Lucie County, Florida, Sand Needs Evaluation for Beach Renourishment, prepared for the Southeast Florida Sediment Assessment and Needs Determination (SAND) Report, was prepared by St. Lucie County Erosion District and Coastal Tech. The SAND Needs report estimated the future renourishment needs to be 260,000 cy/yr, based on historical project renourishment requirements from 1999-2009.

c. Current Project Description

Project work consists of a base and one option. Project work includes constructing a beach berm between R-34 to T-41 to an elevation +7.4 feet with a varying berm width. The Base consists of beach fill between Florida Department of Environmental Protection (FDEP) Range Monuments R-34 to R-39A, including an ADA compliant ramp. Option A consists of beach fill between FDEP Range Monuments R-39A to T-41. A permitted offshore borrow area for the project is located approximately 4 miles southeast of the project site. Due to the extensive hard ground areas located offshore of the fill template area, offshore pipeline access to the beach site is prohibited. The Contractor will operate the off-loading from inside the South Jetty of Fort Pierce Inlet, Florida. Staging area and beach access to the project fill area is located at the end of Seaway Drive near the south jetty offloading area. Project work also includes, but is not limited to, endangered species observers, sea turtle non-capture trawl sweeping, turbidity monitoring, beach tilling, and construction/vibration controls and monitoring.

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 RP will be posted on SAJ's webpage. Any comments or questions regarding the RP will be addressed by SAJ.

e. In-Kind-Contributions by Project Sponsor

There are no required additional in-kind sponsor contributions related to the P&S and design documentation report (DDR) that could affect this RP or related reviews.

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

The cost related documents associated with this contract do not require external peer review or certification. Therefore, no additional review requirements will be executed by the Cost Engineering Mandatory Center of Expertise (MCX) for the implementation documents addressed by this RP.

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 the P&S and DDR in accordance with SAJ's Engineering Division Quality Management System (EN QMS). The EN QMS 02611 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 quality control (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 for the Fort Pierce SPP. A final ATR of the P&S and DDR documents for the design will be undertaken.

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.

An ATR for Fort Pierce Shore Protection Project has been previously performed in 2015. The construction limits of this contract are within the same limits as the 2015 periodic nourishment and will be constructed using the same means and methods contract except the borrow source will be extracted from a new borrow area from the Capron Shoal. The beach template footprint itself has not changed in any way (e.g. berm width, alongshore limits, etc.). The only change is an increase of the borrow area by 30%. This ATR is a reduced effort since an ATR has been previously approved but required due to the increase of the borrow area by 30%. Therefore, an ATR is recommended.

ATR will be conducted by individuals and organizations that are external to SAJ. The ATR Team Leader will be a USACE employee outside SAD. 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 the 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 comments.

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 a professional outside SAD with extensive experience in preparing Civil Works documents. The ATR Team Leader shall have 8 or more years of experience with Civil Works projects and have performed ATR Team Leader duties on complex Civil Works projects. The ATR Team Leader can also serve as one of the review disciplines.

Geology: The Geology team member shall be a registered professional engineer and have 7 or more years of experience with shore protection projects. Experience needs to encompass geologic analyses that are used to support the development of P&S for navigation projects where new work material is to be dredged.

5. BIDDABILITY, CONSTRUCTABILITY, OPERABILITY, ENVIRONMENTAL, AND SUSTAINABILITY (BCOES) 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 and ER 415-1-11.

6. INDEPENDENT EXTERNAL PEER REVIEW

a. General.

EC 1165-2-217 provides guidance for the implementation of IEPR according to Sections 2034 and 2035 of the WRDA of 2007 (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 managed and conducted outside the Corps of Engineers. In addition, following the expiration of Section 2035 of the WRDA, USACE issued memorandum "Interim Guidance on Streamlining Independent External Peer Review (IEPR) for Improved Civil Works Product Delivery" dated 5 April 2019 documenting the continued importance of Type II IEPR on high risk design and construction activities. The District Chief of Engineering, as the Engineer-In-Responsible-Charge, will make a risk-informed decision whether a project would benefit from a Type II IEPR and document the rationale to conduct or not conduct a Type II IEPR in the RP.

b. Type I Independent External Peer Review (IEPR) Determination.

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

c. Type II Independent External Peer Review (IEPR) Determination (Section 2035).

The District Chief of Engineering, as the Engineer-In-Responsible-Charge, has evaluated the Fort Pierce SPP against EC 1165-2-217 and memorandum "Interim Guidance on Streamlining Independent External Peer Review (IEPR) for Improved Civil Works Product Delivery" dated 5 April 2019, and has determined a Type II IEPR is not required, based on the results of the Risk-Informed Decision Process for Type II IEPR determination. For this RP, the factors in determining whether a review of design and construction activities of a project are considered necessary are as follows:

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

This project will perform beach nourishment that re-establish a beach. The beach is designed to protect structures through its sacrificial nature and is continually monitored and renourished in accordance with program requirements and constraints. Failure of loss of the beach fill will not pose a significant threat to human life.

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

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

- (3) The project design lacks redundancy.

The project features are not complex in nature and do not employ the concept of redundancy.

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

This project's construction sequence and schedule have been used successfully by the Corps of Engineers on other similar works. Construction schedules do not have unique sequencing and activities are not reduced or overlapped.

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 RP on the SAJ webpage for viewing by the public.

8. MODEL CERTIFICATION AND APPROVAL

The project does not use any engineering models that have not been approved for use by USACE. The following engineering models, software, and tools are anticipated to be used as part of supporting the Fort Pierce SPP:

Model
Bentley Microstation V8i, Bentley Systems Inc, 2010
HEC-HMS v.4.3
HEC-RAS v.5.0.7
GIS (ESRI ArcMap)

Table 1: Anticipated Engineering Models, Software, and Tools

9. PROJECT DELIVERY TEAM DISCIPLINES

Discipline/Expertise
Project ETL
Civil and Structural Engineering
Construction Manager
Geotechnical Engineering and Engineering Geology
Hydrologic and Hydraulic Engineering

Table 2: PDT Disciplines

10. BUDGET AND SCHEDULE

a. Project Milestones.

Milestone	Task	Start Date	End
CW310	Draft P&S Complete	2/26/20	4/15/20
	DQCR	4/15/20	4/30/20
	PQCR	4/30/20	5/22/20
	Final P&S ATR	5/15/20	5/22/2020
	Evaluate ATR Comments	5/22/20	5/29/20
	ATR Certification	6/5/20	
	BCOES Review	6/5/20	6/15/20
CW320	BCOES Certification	7/7/20	
CW400	Advertisement	7/21/20	
CC800	Award	9/22/20	

Table 3: Project Schedule Milestones

b. ATR Cost. Funds will be budgeted to execute ATR and the schedule as outlined above. It is envisioned that each reviewer will be afforded 20 hours review plus 8 hours for coordination. The ATR Team Leader will be funded for 20 hours. The estimated cost range is \$8,000 - \$15,000.

11. POINTS OF CONTACT

Title	Organization	Phone
Quality Manager	CESAD-RBT	[REDACTED]
Review Manager	CESAJ-EN-Q	[REDACTED]

Table 4: Review Plan Point of Contacts

ATTACHMENT A: APPROVED REVIEW PLAN REVISIONS

Revision Date	Description of Change	Page / Paragraph Number

Table 5: Review Plan Revisions

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
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
EA	Environmental Assessment
EC	Engineering Circular
ER	Engineering Regulation
ERDC-CERL	Engineer Research and Development Center – Construction Engineering Research Laboratory
ESA	Endangered Species Act
ETL	Engineering Technical Lead
EV	Emergent Vegetation
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
SAD	South Atlantic Division Office
SAJ	South Atlantic Jacksonville District Office
SAR	Safety Assurance Review (also referred as Type II IEPR)
SAV	Submerged Aquatic Vegetation
SME	Subject Matter Expert
USACE	U.S. Army Corps of Engineers
WRDA	Water Resources Development Act

Table 6: Abbreviations

Fort Pierce SPP Project

St. Lucie County, FL

Review of Plans and Specifications (P&S) and the Design Documentation Report (DDR)

ATR REPORT OUTLINE:

- 1. Introduction:**
- 2. Project Description:**
- 3. ATR Team Members:**
 - ATR Team Leader.**
 - Geologist.**
- 4. ATR Objective:**
- 5. Documents Reviewed:**
- 6. Findings and Conclusions:**
- 7. Unresolved Issues:**

COMPLETION OF AGENCY TECHNICAL REVIEW

The Agency Technical Review (ATR) has been completed for the Preconstruction, Engineering and Design Phase Implementation for the Fort Pierce Shore Protection Project, St. Lucie County, Florida, including the design documents, plans and specifications (P&S), and Design Documentation Report (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. DQC was conducted prior the ATR. All comments resulting from the ATR have been resolved and the comments have been closed in DrCheckssm.

NAME
ATR Team Leader

Date

Engineering Technical Lead
CESAJ-EN-DW

Date

Review Management Office Representative
CESAD-RBT

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.

Chief, Engineering Division
CESAJ-EN

Date