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RAN-00953

State Agency	Florida Department of Environmental Protection	Peril of Flood Listed	<input checked="" type="checkbox"/>
State Program	Resilient Florida	Letters of Support Authors	
Disaster Number/Year	N/A	Letters of Support Number	
Critical Infrastructure	No		
Project located in a Coastal Zone?	Yes		
SLIP Study Required?	Yes (Upload SLIP Study output)		
Local Project Phase	Pre-construction (Design, Permitting, etc.)		
Source of Match	Local funds		
Funding Mechanism	Penny for Pinellas has been approved to contribute match funding for the project.		
Estimated Project Duration	48 Months		
Total Evaluation Score			

Applicant Information

Grant Funding Type	Funding for Resilient Florida – Infrastructure Grants	Status	Draft
Applicant Account	Pinellas County	Applicant Contact	
Applicant Authorized Signee	Kelli Hammer Levy	Applicant Fiscal Agent	Kristen Pittman
Regional Resilience Entity Account		Applicant Grant Manager	Rhonda Bowman

Project Information

RPG Project Type		Project Title	Crystal Beach Drainage and Roadway Improvements
Entity Category	County, Municipality, or Authorized Special District Addressing Risks of Flooding or Sea Level Rise Identified in a Vulnerability Assessment	Project Location	
Resilient Florida Grant Program Types	Coastal Flood Control (Grey); Stormwater Infrastructure; Transportation and Evacuation; Wastewater Infrastructure; Natural or Cultural Resources	Project Geo Location Narrative	Crystal Beach is a coastline neighborhood located in West Central Florida between the incorporated cities of Dunedin and Tarpon Springs within Pinellas County (for project area please see Attachments A and B). The community of approximately 1,300 consists predominately of single-family housing, including the Crystal Bay Mobile Home Park. As an unincorporated area of Pinellas County, Crystal Beach relies on the County as its

singular source of infrastructure investment. The project limits are generally from Crystal Beach Avenue to Florida Boulevard and extend from St. Joseph’s Sound to Avery Bayou, covering an area of approximately 0.18 square miles.

List the City(ies)/ Town(s)/Village(s)	Crystal Beach	State Lands Lease Agreement No.	
State Lands or State Parks Utilized	No	Project Geo Location	28.091275 -82.777208
Area Served	Pinellas	Project Geo Location Metadata	
Sponsor City/County		Percent of Population	
Total Population		Total Grant Match Amount	\$6,162,000
Prior Vulnerability		Total Grant Funding Amount Requested	\$12,324,000
Prior Vulnerability Share		Prior Vulnerability Entities	
Project Critical Assets		Funding for Regional Resilience	

General Information

Project Need In 2008, Pinellas County Public Works developed preliminary plans to address flooding impacts in the community of Crystal Beach. As described in detail in the Tier 2 responses in this application, Crystal Beach and the project area have been subject to consistent and costly flooding events that have led to severe damage to property and infrastructure. Due to the rising costs of infrastructure across the County, the project was not able to be completely funded at that time. In 2022, Hurricane Ian’s storm surge exacerbated the need to address the flooding vulnerabilities in the area although securing additional funding remained an issue. Further, recent vulnerability analyses completed by the County (Attachment C) have identified the Crystal Beach community as a priority for addressing flood impacts and increasing resilience. Pinellas County is requesting a Resilient Florida Implementation Grant to improve and protect stormwater, wastewater, and transportation assets through the Crystal Beach Drainage and Roadway Improvements Project. Important elements of the planned investment include preserving the community’s natural and historic features such as Live Oak Park, the Gulf Shore Park path, and mangrove and estuary habitats, as well as maintaining the “Old Florida” coastal character of the community with native landscaping. The project will include:

- Drainage improvements (conveyance, increased capacity, and water quality improvements).

- Roadway improvements (asphalt and base restoration, shell restoration, milling and resurfacing, existing sidewalk improvements, new sidewalk and an 8ft trail).
- Utility condition assessments and improvements (sanitary sewer and potable water).
- Water detention improvements with multiple benefits including the use of Bio-sorption Activated Media, a soil amendment technology composed of natural and recycled materials to provide enhanced pollutant removal; as well as a nature-based feature for retention volume such as swales planted with native grasses or other Florida-friendly vegetation.
- New inlets and pipes to improve water conveyance, further mitigating flooding and improving the area's resiliency (Attachment D)

Project Fit

The project meets and exceeds the criteria for this grant program through:

- The project was guided by the Envision Sustainable Infrastructure Framework.
- Enhancements to roadways at risk that will improve the area's resiliency to large storm events, stormwater abatement, and flood control. As part of this project, potable water and sanitary sewer system assets conditions will be assessed. Stormwater improvements will include a network of inlets, pipes, and swales (shallow ditches) that collect and carry stormwater runoff away from community assets, homes, yards, and streets and provide treatment before discharging to coastal waters.
- Bioswales provide infiltration, storage, conveyance, and treatment of stormwater runoff and are designed to return to dry conditions 72 hours after rainfall. The project proposes grassed or planted bioswales that are designed to receive and reduce flooding, in addition to treating stormwater runoff before discharging to St. Joseph Sound or Avery Bayou along the South Gulf Drive right-of-way and along additional project-area roadways. This plan replaces existing deep ditches in the project area with these bioswales (or bioswales over pipe), which will improve stormwater management as well as roadway safety.
- Resilient roadway improvements including the rehabilitation of existing shell roads and repaving roads. The determination between shell and repaved roads will be made in close coordination with the homeowners along the road segment.
- The assessment of sanitary sewer and potable water utility conditions will be conducted allowing updated rehabilitation recommendations towards a more resilient infrastructure design.
- Increased tree and vegetative coverage reducing erosion and increasing wildlife

habitat. Any trees removed as a result of the added infrastructure will be mitigated by the County's tree mitigation policy as per Land Development Code (LDC) Ch.166 and further expanded upon in the County's Tree Removal Procedure and Guidelines (Attachment F). As a result, there will be no net loss of tree coverage in the project area. An increase in tree coverage and vegetation is expected. This aspect of the project will provide wildlife habitat, decrease erosion, and provide additional shade.
 - Preservation and enhancement of the regionally significant Crystal Beach historical community through adherence to a County overlay ordinance (Attachment G) that recognizes this distinct community and adopts certain community expectations for the area to ensure preservation of its character.

Flood risk in VA	Yes	Flood risk in VA explanation	Yes, the project will reduce risk of flooding and sea level rise as identified through the Pinellas County's Sea Level Rise and Storm Surge Vulnerability Assessment and project vulnerability assessment in the Development and Management Funding Plan (Attachment C). The vulnerability assessment identified tidal and storm surge effects impacting this area, limiting stormwater capacity, and contributing to flooding. This condition is anticipated to worsen, with increased localized flooding and tidal effects becoming more prevalent over time. Additionally, this project is identified in the Pinellas County's Public Works and Local Mitigation Strategy (LMS) (Attachment C). It is listed as Crystal Beach Drainage Improvements (PID 003896A). The LMS identifies potential hazards and vulnerabilities and establishes specific mitigation actions to reduce risk of natural or man-made hazards to people, buildings, infrastructure, and the environment.
Compound flood risk in VA	Yes	Compound flood risk explanation	Yes, the project reduces risk of compound flooding from coastal flooding (tidal effects), and pluvial flooding (rainfall-induced flooding of drains/storm surge). Storm surge exposure was demonstrated in 100% of storm surge exposure scenarios (Development Management and Funding Plan – Attachment C) while the LMS assessed risk for 22 hazards including flooding. Implementation of this project will reduce risk resulting from compound flooding.
Regionally significant asset	Yes	Regionally significant asset explanation	Yes. The project will reduce flooding risk to 5 sanitary pump stations that support the collection, transportation, and treatment of wastewater for the community and providing regional benefits. The project will reduce the elevation of water and reduce stormwater infiltration into and flooding of sanitary sewer manholes. This will

help to limit detrimental impact on the pump stations and other utilities. The improvements will provide regional benefits to the community and serve more than 12,100 residents directly. Utility access holes, elevated powerlines, transportation centerlines, regional parks, federal buildings, and faith-based community centers have been identified as regional assets. The Crystal Beach area is recognized as a regionally significant historical community, known for its unique beachfront experiences for visitors and residents alike. Attachment G provides information on a County overlay ordinance that recognizes this distinct community.

Percent CA Vulnerable 60% or more but less than 80%

Percent CA vulnerable explanation

Based on the vulnerability assessment meeting Florida DEP requirements, 64% of critical assets were deemed vulnerable. Modeling criteria specified by 380.093, F.S. were used (Attachment C). Asset vulnerability was assessed for exposure to storm surge and tidal flooding based on future conditions. The ranking analyses included conditions for the years 2018, 2040, 2070, and 2100. Sea level exposure considered the Intermediate-low sea level rise scenarios, which the National Oceanic and Atmospheric Administration published in 2017 and obtained for the Clearwater and St. Petersburg tide gauges through the U.S. Army Corps of Engineers Sea-Level Change Curve Calculator in 2019. Tidal flooding frequency of one hour of flooding per year (the year's highest astronomical tide) was considered. Storm surge projections utilized a hydrodynamic model developed by the University of Florida for mapping 100-year storm events.

Existing flood mitigation project Yes, by incorporating BOTH new or enhanced structure AND natural system restoration and revegetation

Existing flood mitigation project expln

Yes, this project will incorporate both new/enhanced structures and natural system restoration and revegetation in the context of previous project area flood damage (Attachment H). Roadway improvements/enhancements are proposed including asphalt and base restoration, shell or paved road restoration, and resurfacing. New drainage improvements will enhance water retention and conveyance. New bioswales are planned for roadway and stormwater improvements which will incorporate native vegetation. Pinellas County will be following its tree removal/replacement policy for the entire project footprint ensuring a net tree impact of 0% (Attachment F) and tree coverage will likely increase because of this project. County staff are working on an option to create a living shoreline in partnership with Tampa Bay Watch. An oyster reef and fringing tidal marsh vegetation are planned to provide erosion protection, shoreline

stabilization, wildlife benefits, and improved water quality conditions.

Flood frequency	Has been flooded at least 3 times in the last 5 years or is experiencing ongoing erosion	Flood frequency explanation	The project area is significantly low-lying, and flooding occurs regularly during both seasonal rain and major storm events. Regular flooding is such an issue that some residents use sandbags in front of their garage doors to mitigate the impact of consistent flooding, on a near permanent basis, not just during major storm events. See Attachment H and the following for additional evidence of historical flooding: https://pinellas.gov/projects/crystal-beach-drainage-and-roadway-improvements-project-status/ .
Current flood severity	Flooded greater than 1 foot in the current and each of the previous three calendar years, has been flooded for 7 consecutive days, or erosion is critical for the critical asset class	Flood severity explanation	The project area is significantly low-lying (elevation of approximately 12 feet above mean sea level) and flooding and subsequent erosion (including near critical asset classes) occurs regularly during both seasonal rain and major storm events. Regular flooding is such an issue that some residents utilize sandbags in front of their garage doors seasonally to mitigate the impact of consistent flooding, and not just during major storm events (Attachment H).
Project design status	Partially designed or site-specific environmental or geotechnical reports have been completed	Project design status explanation	The conceptual plans for the project have been completed and included community engagement (Attachment E). The 15% design plans are underway and will be completed by November 2023. The 45% design plans are scheduled for completion in March 2024.
Permit & easement status	Necessary permits and easements have been identified	Permit & easement status explanation	This project qualifies for a general permit from the Southwest Florida Water Management District (SWFWMD); coordination with SWFWMD is scheduled for 2024 at the close of 45% design. There are two easements needed for this project, and property rights acquisition, if required, will take place in 2024. All work will be within the right of way or acquired easement to benefit the community.
Local cost share available	Yes	Local cost share available explanation	Total requested funding for this project is \$12,324,000.00 with a 50% cost share of \$6,162,000.00 secured through the Penny for Pinellas program, which is a voter-approved, 1% sales tax used to pay for projects to improve Pinellas County infrastructure (Attachment I).
Habitat enhancement or NBS	Yes	Habitat enhancement or NBS explanation	The project proposes to use bioswales enhanced by native vegetation and grasses to mitigate local flooding (Attachment J). Bioswales provide infiltration, conveyance, and treatment of stormwater runoff and are designed to return to dry conditions 72 hours after rainfall. Community engagement is planned to better define the number, type, extent, and location of such swales. In accordance with the County's tree mitigation policy as per Land

Development Code (LDC) Ch. 166 and further expanded upon in the County's Tree Removal Procedure and Guidelines (Attachment F). An increase in tree coverage and vegetation is expected.

Critical habitat Yes

Critical habitat explanation

Pinellas County has multiple threatened and endangered species in the project area and will benefit from this project (Attachments K, L). Audubon's crested caracara, eastern black rail, piping plover, red knot, whooping crane, and wood stork are listed avian species found within the County. The project directly overlaps with the known range of the threatened eastern black rail. Listed reptile species within Pinellas County include American crocodile; eastern indigo snake; and green, hawksbill, leatherback and loggerhead sea turtles. Additionally, the west Indian manatee uses the coastal waters directly benefiting from the project. Florida has listed vertebrate and invertebrate species as threatened and endangered throughout the state, including in Pinellas County. Many of these species are anticipated to use the bioswales, potential living shoreline addition as well as the tree preservation components of the project.

Cost effective Yes

Cost effective explanation

Pinellas County will issue a competitive solicitation and contract for professional services to include engineering, construction management, labor, tools, equipment, and supplies associated with this project to ensure cost-effective, fair contracting (Attachment M). Pinellas County will apply all appropriate Uniform Guidance and cost principles toward the use of funds associated with the project. Further, the project has been designed to maximize the cost-effectiveness of the drainage improvements, including use of bioswales to increase infiltration, conveyance, and treatment of stormwater. Bioswales provide a natural, low-cost, and efficient method to reduce stormwater impacts in the project area and require relatively inexpensive maintenance. The LMS scoring sheet for this project is contained in Attachment Q.

Cost share available Yes (Cost share has been secured)

Cost share available explanation

Total requested funding for this project is \$12,324,000.00 with a 50% cost share of \$6,162,000.00 secured through the Penny for Pinellas program, which is a voter-approved, 1% sales tax used to pay for projects to improve Pinellas County infrastructure (Attachment I).

Previous state funding Design; Permitting

Previous state funding explanation

Pinellas County received a legislative appropriation for FY 2022/23 through House Bill 4505 and Senate Bill 356 which are both administered through Florida DEP. The County requests a determination on the use of these funds

			for match. The funds are allocated for design, permitting and construction
Exceeds FBC/local floodplain regs	Yes	Exceeds FBC/local floodplain regs expln	The project does not include constructing vertical structures therefore the Florida Building Code does not apply. Pinellas County recently received a FEMA Class 2 Community Rating System (CRS). The Class 2 CRS was received due to high standards set forth by the Pinellas Floodplain Ordinance and Local Mitigation Strategy. The project goal is to reduce flood stages and focus on mitigation strategies provided in the LMS.
Innovative tech	Yes	Innovative tech explanation	An innovative material is being considered for the bioswale design that will remove pollutants from stormwater runoff and enhance resilience to future stressors (Attachment N, page 136). Biosorption activated media (BAM), a soil amendment technology incorporating natural and recycled materials, may be used in the bioswales to provide enhanced pollutant removal. Further, the project will investigate the use of baffle boxes at strategic locations throughout the project area.
Community financially disadvantaged	No	Comm financially disadvantaged expln	
GI Benefit Spring	Yes	GI Benefit Spring Explanation	The project will protect the water quality benefits for Crystal Beach Spring, enhancing this unique nearshore spring. Located only 200 meters from shore near Palm Harbor, Florida, the spring is a one-of-a-kind cave system. With more than 4,000 feet of mapped underwater passages, this is one of the most unique anchialine caves in the Florida coastal region (Attachment O).
GI Protect Water Sources	No	GI Protect Water Sources Explanation	N/A
GI Facilities Waste Treatment	No	GI Facilities Waste Treatment Explanation	The project only inventories and assesses existing sanitary sewer infrastructure and recommends rehabilitations but does not construct, upgrade, or expand facilities to provide waste treatment.
GI Convert Septic To Sewer	No	GI Convert Septic To Sewer Explanation	This project does not involve septic-to-sewer conversion. However, after the project assesses existing sanitary sewer infrastructure, future phases may include recommendations for such conversions.
GI Green Stormwater Infrastructure	Yes	GI Green Stormwater Infrastrure Expl	The project proposes to use bioswales enhanced by native vegetation and grasses to mitigate local flooding (Attachment J). Bioswales provide infiltration, conveyance, and treatment of stormwater runoff and are designed to return to dry conditions 72 hours after rainfall. Community engagement is planned to better define the number, type, extent, and location of such swales
GI Applied Other Programs	No	GI Applied Other Programs Explanation	N/A

GI Community Population 972,852

Information

Agency Contact		Amount of Funds Awarded	
GI Critical Assets Served		Amount of Funds Requested	
GI Critical Assets Served Explanation		Lands, Easements, Rights of Way	Yes, property right acquisition will begin in 2024 to acquire two easements within the project area.
Permitting	This project qualifies for a general permit from SWFWMD. Coordination for permitting is anticipated to begin in 2024.	Metric Assigned	Linear feet of road added/elevated/better protected
Planning Section Lead		Metric Value	20,200.00
Project Follow Up		Metric Value Units	Linear Feet
Statewide Flooding and Sea Level Rise			

Additional Funding

Additional Function Applicant Entity	Additional Funding Current Grant Number
Additional Funding Current Grant	Additional Funding Request
Additional Match Secured	Additional Funding Request Justification

Project Work Plan

Project Summary	<ul style="list-style-type: none"> • Improve water quality and flood resiliency by incorporating green infrastructure. • Reduce erosion from stormwater runoff. • Improve the resilience of roadway surfaces . • Improve stormwater management. Better stormwater management will result in reduced mosquito breeding and improve pedestrian and vehicle safety. • Improve drainage to reduce ponding of water in yards and on roads. • Improve aesthetics with native landscaping.
Project Description	Pinellas County will address community flooding impacts to stormwater, wastewater, and transportation assets through the Crystal Beach Drainage and Roadway Improvements Project. The need for drainage and roadway improvements in the Crystal Beach Drainage and Roadway Improvements Project area is well documented. In 2008, Pinellas County Public Works developed preliminary plans to address these issues in close coordination with local community associations. However, the project was not completed due to insufficient funding. Addressing flood risks within this community continues to be a priority, and County resources have been committed for project implementation. The conceptual design of this project includes resilient roadway improvements for reducing flood risks impacting the road. Stormwater management plans include critical drainage improvements (new inlets and pipes) to reduce community flooding, erosion, and critical asset impacts. Through this project, sanitary sewer and potable water utility conditions will be assessed allowing updated resilient infrastructure design. Nature-based features for water retention in the form of bioswales are proposed to mitigate local

flooding. Conceptual plans include native vegetation and innovative bioswale designs to enhance long-term resilience. In addition to the initial project plan, County staff are working towards an option to create a living shoreline through a partnership with Tampa Bay Watch. Concepts consisting of an oyster reef and fringing tidal marsh vegetation will provide erosion protection and shoreline stabilization. The reef and tidal marsh will provide ecological benefits, habitat, foraging areas, and sanctuary for wildlife as well as improved water quality conditions along Crystal Beach. Materials used for the living shoreline oyster reef consist of marine friendly concrete domes and oyster shell bags. Native wetland grasses will be planted behind the reef to provide additional stabilization, reduce pollutant loads, and provide wildlife habitat. Input from the Crystal Beach community will determine the size and location of the living shoreline.

Project Need and Benefit

Project Feasability

Project Vulnerability

Vulnerability Assessment include State

Budget

Budget Narrative

Work Performed by

Indirect Percent

Signature

Authorized Signers Signature

Certification Agreement

System Information

Created By	Anita Wang, 8/31/2023 12:47 PM	ID	a195G00003BZehs
Last Modified By	Anita Wang, 8/31/2023 4:18 PM	Preparer Type	Applicant
Owner	Anita Wang	Preparer Account	Pinellas County
EGR Application Name	RAN-00953	Preparer Contact	Anita Wang
		Preparer User	Anita Wang

Files

Q. LMS-Scoring_CrystalBeach

Last Modified **8/31/2023 3:31 PM**
Created By **Anita Wang**

P. Crystal Beach-SLIP_StudyReport

Last Modified **8/31/2023 3:31 PM**
Created By **Anita Wang**

O. Crystal_Beach_spring_system

N. Pinellas _County_Stormwater_Manual

Last Modified **8/31/2023 3:31 PM**
 Created By **Anita Wang**

Last Modified **8/31/2023 3:30 PM**
 Created By **Anita Wang**

M. Pinellas_County_Purchasing_Procedure_Manual

Last Modified **8/31/2023 3:30 PM**
 Created By **Anita Wang**

L. IPaC_Explore Location resources_PINELLAS

Last Modified **8/31/2023 3:29 PM**
 Created By **Anita Wang**

K. FL_threatened-endangered-species

Last Modified **8/31/2023 3:29 PM**
 Created By **Anita Wang**

J. CB_Bioswale_Vegetation

Last Modified **8/31/2023 3:29 PM**
 Created By **Anita Wang**

I. Crystal_Beach_Budget_Information

Last Modified **8/31/2023 3:29 PM**
 Created By **Anita Wang**

H. CB_Flooding_and_Erosion_Documentation (1)

Last Modified **8/31/2023 3:28 PM**
 Created By **Anita Wang**

G. Crystal_Beach_Overlay

Last Modified **8/31/2023 3:28 PM**
 Created By **Anita Wang**

F. Tree Removal Procedures

Last Modified **8/31/2023 3:27 PM**
 Created By **Anita Wang**

E. CB_Preliminary_Design_Documents

Last Modified **8/31/2023 3:25 PM**
 Created By **Anita Wang**

D. CB_Technical_Memo_Appendix_E

Last Modified **8/31/2023 3:23 PM**
 Created By **Anita Wang**

C. CB_Vulnerability_Assessment_Documentation

Last Modified **8/31/2023 3:23 PM**
 Created By **Anita Wang**

B. GIS_CB

Last Modified **8/31/2023 3:22 PM**
 Created By **Anita Wang**

A. Crystal_Beach_PBA

Last Modified **8/31/2023 3:22 PM**
 Created By **Anita Wang**

EGR Application History

8/31/2023 4:18 PM

User **Anita Wang**
 Action **Changed Total Grant Funding Amount Requested from \$1,516,000.00 to \$12,324,000.00.**

8/31/2023 4:17 PM

User **Anita Wang**
 Action **Changed Total Grant Funding Amount Requested from \$1,416,000.00 to \$1,516,000.00.**

8/31/2023 4:16 PM

User **Anita Wang**
 Action **Changed Total Grant Funding Amount Requested from \$0.00 to \$1,416,000.00.**

8/31/2023 3:56 PM

User **Anita Wang**
 Action **Changed Total Grant Funding Amount Requested to \$0.00.**

8/31/2023 3:07 PM

User **Anita Wang**
 Action **Changed Source of Match to Local funds. Changed SLIP Study Required? to Yes (Upload SLIP Study output). Changed Project located in a Coastal Zone? to Yes. Changed Local Project Phase to Pre-construction (Design, Permitting, etc.). Changed Estimated Project Duration to 48 Months. Changed Critical Infrastructure to No.**

8/31/2023 3:01 PM

User **Anita Wang**
Action **Changed GI Green Stormwater Infrastructure to Yes. Changed GI Protect Water Sources to No. Changed GI Facilities Waste Treatment to No. Changed GI Convert Septic To Sewer to No. Changed GI Applied Other Programs to No.**

8/31/2023 2:49 PM

User **Anita Wang**
Action **Changed GI Benefit Spring to Yes.**

8/31/2023 2:47 PM

User **Anita Wang**
Action **Changed Community financially disadvantaged to No.**

8/31/2023 2:44 PM

User **Anita Wang**
Action **Changed Innovative tech to Yes.**

8/31/2023 2:41 PM

User **Anita Wang**
Action **Changed Exceeds FBC/local floodplain regs to Yes.**

8/31/2023 2:39 PM

User **Anita Wang**
Action **Changed Previous state funding.**

8/31/2023 2:37 PM

User **Anita Wang**
Action **Changed Cost share available to Yes (Cost share has been secured).**

8/31/2023 2:34 PM

User **Anita Wang**
Action **Changed Cost effective to Yes.**

8/31/2023 2:31 PM

User **Anita Wang**
Action **Changed Critical habitat to Yes.**

8/31/2023 2:28 PM

User **Anita Wang**
Action **Changed Habitat enhancement or NBS to Yes.**

8/31/2023 2:26 PM

User **Anita Wang**
Action **Changed Flood frequency to Has been flooded at least 3 times in the last 5 years or is experiencing ongoing erosion. Changed Permit & easement status to Necessary permits and easements have been identified. Changed Project design status to Partially designed or site-specific environmental or geotechnical reports have been completed. Changed Current flood severity to Flooded greater than 1 foot in the current and each of the previous three calendar years, has been flooded for 7 consecutive days, or erosion is critical for the critical asset class. Changed Local cost share available to Yes.**

8/31/2023 12:53 PM

User **Anita Wang**
Action **Changed Percent CA Vulnerable to 60% or more but less than 80%. Changed Regionally significant asset to Yes. Changed Compound flood risk in VA to Yes. Changed Existing flood mitigation project to Yes, by incorporating BOTH**

new or enhanced structure AND natural system restoration and revegetation.

8/31/2023 12:50 PM

User **Anita Wang**
 Action **Changed Flood risk in VA to Yes.**

8/31/2023 12:47 PM

User **Anita Wang**
 Action **Created.**

EGR Application Tasks
RTN-04865

Task Number	1
Task Description	The project's 15% design plans are currently underway and will be completed by November 2023. The Grantee will acquire professional services for the remaining engineering and design of the improvements and obtain all necessary permits for the construction of the project. This project task will involve acquiring all necessary permits to access the project area and complete project construction. A pre-application meeting with Southwest Florida Water Management District occurred on February 2, 2023, and an environmental resource permit must be obtained.
Total Task Amount Requested	\$1,416,000

RTN-04874

Task Number	2
Task Description	This task includes identifying and acquiring any necessary rights of way (easement) for direct access to the project area.
Total Task Amount Requested	\$100,000

RTN-04882

Task Number	3
Task Description	The Grantee will conduct a procurement process to select one or more qualified and licensed contractors to complete construction of the proposed project elements.
Total Task Amount Requested	\$10,808,000