RAN-00990

State Agency	Florida Department of Environmental Protection	**Peril of Flood Listed**	✓
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?	No		
Local Project Phase	Pre-construction (Design, Permitting, etc.)		
Source of Match	Local funds		
Funding Mechanism	Total requested funding for this project is $25,856,000 with a 50% cost share of $12,928,000 secured through the Penny for Pinellas program, a voter-approved, 1% sales tax used to pay for projects to improve Pinellas County infrastructure (Attachment J).		
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**	Cross Bayou Canal Improvements Phases 1 & 2.
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; Wastewater Infrastructure	**Project Geo Location Narrative**	The Cross Bayou Canal is a seven-mile open channel that bisects Pinellas County and conveys flow for the roughly 8,000-acre contributing Watershed. The northernmost portion abuts Old Tampa Bay Estuary (the largest estuary in Florida) and includes the St. Petersburg

Clearwater Airport. Phases 1 and 2 of the canal span 2.4 miles from 150th Avenue North southwesterly to the Bryan Dairy Road right-of-way and have been identified as the priority canal phases for the County's ongoing resilience efforts. While all aspects of the project fall within Pinellas County, the flooding benefits will extend to the Cities of Pinellas Park and Largo in addition to unincorporated communities of Pinellas County. The project increases conveyance capacity and reduces erosion and inflow to wastewater facilities, which benefits Pinellas County and Boca Ciega Bay Aquatic Preserves, as well as the Old Tampa Bay Estuary. Attachment A includes a map of the project benefit area. Attachment B includes the project benefit area shapefile.

List the City(ies)/ Town(s)/Village(s)	City of Pinellas Park, City of Largo, Unincorporated Pinellas County	**State Lands Lease Agreement No.**	N/A
State Lands or State Parks Utilized	Yes	**Project Geo Location**	27.908608 -82.704210
Area Served	Pinellas	**Project Geo Location Metadata**	
Sponsor City/County		**Percent of Population**	
Total Population		**Total Grant Match Amount**	$12,928,000
Prior Vulnerability		**Total Grant Funding Amount Requested**	$25,856,000
Prior Vulnerability Share		**Prior Vulnerability Entities**	
Project Critical Assets		**Funding for Regional Resilience**	

General Information

Project Need

The Cross Bayou Canal has been a source of recurring erosion, sedimentation, storm surge and tidal flooding issues for the County since the 1960s. With the intensive residential and industrial development occurring along the canal, these flooding conditions and damages have become more prevalent and frequent, resulting in significant flood-related property loss (Attachment C, item 10) and asset vulnerability. The proposed project to reshape, stabilize, and revegetate the Cross Bayou Canal will result in improved hydraulic conveyance function and provide an enhanced flood control level of service through increased capacity of the canal and bank stabilization. Responses below and Attachment C illustrate this need through water gage records and media reports of flooding. In addition to recurring flooding problems, the Cross Bayou Canal system has incurred significant degradation to both habitat and water quality associated with increased runoff and exotic/nuisance species colonization. The improved

canal banks will provide a more appropriate habitat for various species important to the regional ecosystem through native vegetation such as mangroves. This vegetation chosen to strengthen the canal walls will also provide additional runoff filtration. The need for this project has been identified and emphasized through various studies including the Cross Bayou Watershed Management Plan, Countywide Flood Mitigation Action Plan (Attachment D), the Pinellas Countywide Vulnerability Assessment (Attachment E) and storm surge modeling (Attachment F), and the 2020 Forward Pinellas Gateway Master Plan which identified the Cross Bayou project as a priority among resilience and sustainable infrastructure catalyst projects (Attachment G, page 221). As improvements to the canal progress, Pinellas County has also indicated that utilizing the canal as a community greenway and blueway to connect sustainable industrial and residential areas to a wider regional green network is a high long-term priority for the region.

Project Fit

The proposed project presents a comprehensive approach that effectively combines coastal flood control elements, natural system restoration, and stormwater infrastructure.
• To address coastal flood control, the project implements design measures such as reshaping, and stabilizing the canal, and enhancing hydraulic conveyance to mitigate flood risks during intense rain events and rising sea levels.
• In terms of natural system restoration, the project incorporates green buffer zones and natural shorelines, utilizing mangroves and other native vegetation to restore ecological habitats, foster biodiversity, and enhance the resiliency of the canal against environmental challenges.
• Additionally, the project implements stormwater infrastructure improvements optimized through hydrodynamic modeling to manage flow and capacity, ensuring effective stormwater management and reduced flood impacts that protect critical regional transportation infrastructure, utilities, and residential neighborhoods.

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 two County assessments: the County's Sea Level Rise and Storm Surge Vulnerability Assessment (VA) and the Development and Management Funding Plan. Modeling results show the project area and assets are vulnerable to tidal and storm surge risks (Attachment E). This project is also identified in the Pinellas County Local Mitigation Strategy (LMS) (Attachment E). It is listed as Cross Bayou Canal Improvements (PID

			002124A & B). The LMS identifies potential hazards and vulnerabilities, sets goals, and establishes specific mitigation actions to reduce the risk of hazards to people, buildings, infrastructure and the environment. The VA points out that tidal and storm surge scenarios impact 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.
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). In the County's Sea Level Rise and Storm Surge Vulnerability Assessment, (Attachment E) storm surge and tidal exposure was demonstrated in 100% of exposure scenarios conducted by the County 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 the risk to several regionally significant assets within the project area. The 476 at-risk critical assets (out of 540 assets) identified in the project benefit area include the Largo Wastewater Treatment Plant, the Pinellas County Correctional Facilities, 150th Ave N Bridge, Ulmerton Road Bridge, a bridge for U.S. Highway 19, approach bridges for the Florida Department of Transportation Gateway Bridge and the Gateway Expressway itself. Additionally, there are sanitary sewer crossings and potable water crossings. The county-owned St. Pete Clearwater Airport and its estimated $1 billion county economic impact have also been identified as a critical at-risk asset in the project area. By widening and deepening the canal, the improved conveyance capacity will allow for more efficient water flow, thereby reducing the risk of flooding in adjacent areas during intense rain events.
Percent CA Vulnerable	80% or more	**Percent CA vulnerable explanation**	Based on the County's Vulnerability Assessment that meets Florida Department of Environmental Protection requirements, 476 (88% of 540 total critical assets) were identified as vulnerable under the 100-year floodplain with a 500-year storm surge. Modeling criteria specified by 380.093, F.S. was used (Attachment E). 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 (a 1.9-foot

			increase in sea levels by 2100), which were published by the National Oceanic and Atmospheric Administration in 2017 and obtained for the Clearwater and St. Petersburg tide gauges through the U.S. Army Corp of Engineers Sea-Level Change Curve Calculator in 2019. Storm surge projections utilized a hydrodynamic model developed by the University of Florida for mapping 100-year storms.
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 further County-wide efforts to improve drainage and reduce flooding within the 100- year floodplain. Project components incorporate enhanced structures and revegetation. As the canal is the central drainage pathway for the entire 8,000-acre Cross Bayou Watershed, its condition and capacity significantly influence the functionality of the entire watershed. Improvements to the depth and width of the canal facilitate the efficient drainage of stormwater runoff from the uplands to the receiving body of water, the Cross Bayou Watershed (Attachment H). This function is crucial as it helps to prevent upland flooding and property damage by rapidly conveying excess water away from the higher ground. The strategic use of mangroves and other vegetation further enhances the canal's capacity. The extensive root systems of mangroves act as a natural barrier, effectively stabilizing the canals edge and reducing the erosive impacts of storm surge and tidal action.
Flood frequency	Has been flooded at least 3 times in the last 5 years or is experiencing ongoing erosion	**Flood frequency explanation**	The canal is subject to frequent flooding and ongoing erosion. Attachment C includes detailed documentation of recent flooding events. With a median depth of 1.38 feet and a high of 1.86 feet, canal water levels over the past year have risen past 3 feet in height 11 times. Water levels have risen past 4 feet in height 17 times in the past 5 years (Attachment C, items 1 and 2).
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 canal is subject to frequent flooding and ongoing erosion. Attachment C includes detailed documentation of recent flooding events. With a median depth of 1.38 feet and a high of 1.86 feet, canal water levels over the past year have risen past 3 feet in height 11 times. Water levels have risen past 4 feet in height 17 times in the past 5 years (Attachment C, items 1 and 2).
Project design status	Partially designed or site-specific environmental or geotechnical reports have been completed	**Project design status explanation**	Preliminary designs for Cross Bayou Canal Phases 1 & 2 are ongoing. 30% plans for Phase 1 of the canal have been completed (Attachment I). The method of bank stabilization still needs to be determined. This will be finalized during the design-build phase of the project. Preliminary design for Phase 2 of the canal is in progress.

Permit & easement status	Necessary permits and easements have been identified	**Permit & easement status explanation**	Acquisition of parcels and/or easements are needed over three privately owned properties in Phase 1. There is an easement in progress with the Largo Wastewater Treatment Plant in Phase 1. Acquisition parcels and/or easements are needed over five private parcels in Phase 2. All work will be within the right of way or acquired easement to benefit the community. A pre-application meeting with the Southwest Florida Water Management District occurred on February 18, 2020.
Local cost share available	Yes	**Local cost share available explanation**	Total requested funding for this project is $25,856,000 with a 50% cost share of $12,928,000 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 J).
Habitat enhancement or NBS	Yes	**Habitat enhancement or NBS explanation**	The project impact area includes environmental habitat enhancement and nature-based solutions. The project's emphasis on minimal impacts to existing natural features, such as manatees, mangrove habitats, and large oak trees, underscores its commitment to environmental habitat enhancement. The strategic use of a retrofitted shoreline composed of mangroves and other vegetation serves as a nature-based solution for bank stabilization, erosion control, and flood mitigation along the Cross Bayou Canal. These natural features enhance wildlife habitat and biodiversity, providing nesting sites and shelter for coastal wildlife. Additionally, the vegetation acts as a natural filter, improving water quality by removing pollutants from stormwater runoff. By incorporating these nature-based solutions where feasible, the project fosters a resilient ecosystem within the impact area while also addressing flood control and coastal protection needs.
Critical habitat	Yes	**Critical habitat explanation**	Several listed species including the West Indian manatee, the southern bald eagle, the wood stork, and little blue heron were observed on site during the project’s preliminary design assessment (Attachment K). Audubon’s crested caracara, eastern black rail, piping plover, red knot, and whooping crane are listed avian species found within the County (Attachment K). 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. The Cross Bayou Canal can provide sufficient habitat for many of these species. The project will provide habitat and water quality benefits at the northernmost and southernmost boundaries of Cross Bayou Canal that

			feed into the Pinellas County Aquatic Preserve, Boca Ciega Bay Aquatic Preserve, and Tampa Bay Estuary.
Cost effective	Yes	**Cost effective explanation**	The proposed project is highly cost-effective due to its potential to save hundreds of millions of dollars repairing damaged bridges, roadways, and other critical infrastructure. In this way, the project serves as a preventative measure that fortifies the canal's capacity and offers substantial long-term financial savings. Over 80 flood insurance claims have been made in the project benefit area, with payouts until 2021 totaling over 1 million dollars. 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 (see Purchasing Policy & Procedure Manual, Attachment P). Pinellas County will apply all appropriate Uniform Guidance and cost principles toward the use of funds associated with the project. 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 $25,856,000 with a 50% cost share of $12,928,000 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 J).
Previous state funding	None	**Previous state funding explanation**	
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 to remove structures from the 100-year floodplain and focus on the additional mitigation strategies provided in the LMS.
Innovative tech	Yes	**Innovative tech explanation**	The proposed project will use innovative erosion control systems in the form of fabric logs along the canal's shoreline. The technology is constructed of knitted high-density mesh filled with sediment from an adjacent water body or locally sourced fill material. These fabric logs provide long-term defense against soil erosion and stabilize shorelines while promoting vegetation growth. The efficient installation process minimizes construction time and costs less than traditional erosion control methods, such as hardened infrastructure.

Community financially disadvantaged	Yes	**Comm financially disadvantaged expln**	xxxx
GI Benefit Spring	No	**GI Benefit Spring Explanation**	N/A
GI Protect Water Sources	No	**GI Protect Water Sources Explanation**	N/A
GI Facilities Waste Treatment	No	**GI Facilities Waste Treatment Explanatio**	While the project will not construct, upgrade, or expand facilities to provide waste treatment, it will reduce risk to County wastewater assets (lift stations, treatment facilities and other infrastructure) in addition to reducing flooding risk to the nearby Largo Wastewater Treatment Plant.
GI Convert Septic To Sewer	No	**GI Convert Septic To Sewer Explanation**	N/A
GI Green Stormwater Infrastructure	Yes	**GI Green Stormwater Infrastrure Expl**	Yes, the project implements green stormwater infrastructure improvements. Improved canal banks will provide a more appropriate habitat for various species important to the regional ecosystem through its use of native vegetation such as mangroves intended to strengthen the canal walls and provide additional runoff filtration. The project incorporates green buffer zones and natural shorelines, utilizing native vegetation to restore ecological habitats, foster biodiversity, and enhance the resiliency of the canal against environmental challenges. The design has been optimized through hydrodynamic modeling to manage flow and capacity, ensuring effective stormwater management and reduced flood impacts.
GI Applied Other Programs	Yes	**GI Applied Other Programs Explanation**	The project has been submitted to the HMGP-Covid 19 program. The project was not selected for award.
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**	Acquisitions and/or easements are needed over three privately owned properties in Phase 1. There is an easement in progress with the Largo Wastewater Treatment Plant in Phase 1. Fee simple parcels and/or easements are needed over five parcels in Phase 2. No improvements will be made on private property. Attachment M includes standing drainage easement agreements.
Permitting	A pre-application meeting with the Southwest Florida Water Management District in February 2020 verified that an environmental resource permit will be	**Metric Assigned**	Feet of green or grey infrastructure added or improved

required for the dredge material management areas but not for the overall project.

Planning Section Lead		**Metric Value**	12,672.00
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	Pinellas County will restore and enhance the Cross Bayou Canal to address flooding, erosion, and sea level rise. Through resilient flood design, regional and critical community assets will have reduced risk. The incorporation of natural solutions will not only protect these assets, but also enhance the ecological habitat and species that rely this coastal waterway.	**Project Description**	Pinellas County will restore and enhance the Cross Bayou Canal to address current and future flooding, erosion, and sea level rise risk across the 100-year floodplain, which will regionally benefit multiple watershed basins covering 1,407 square miles. Through resilient flood design, regional and critical community assets (wastewater treatment facilities, stormwater, road, airport, and railway infrastructure) will have reduced risk. The project involves reshaping and stabilizing Cross Bayou Canal Phases 1 & 2. Through a flood resilient design, the project will enhance the canal system's capacity and improve its stormwater conveyance function, thereby mitigating flood risks and safeguarding adjacent assets and properties. The revegetation and natural shoreline components of the canal shoreline design provide vital habitat for coastal wildlife, stabilize the shoreline to prevent erosion, and offer additional protection against storm surge and tidal flooding. Cross Bayou Canal Phases 1 & 2 will complement future phases of the project, which include a comprehensive greenway and blueway network with a revitalized industrial district as envisioned in the Pinellas Gateway / Mid-County Area Master Plan (Attachment N).

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 10:02 PM	**ID**	a195G00003BZfxh
Last Modified By	Anita Wang, 8/31/2023 11:46 PM	**Preparer Type**	Applicant
Owner	Anita Wang	**Preparer Account**	Pinellas County
EGR Application Name	RAN-00990	**Preparer Contact**	Anita Wang
		Preparer User	Anita Wang

Files

Q. LMS-Scoring_CrossBayou
Last Modified **8/31/2023 11:11 PM**
Created By **Anita Wang**

P. Pinellas_County_Purchasing_Procedure_Manual
Last Modified **8/31/2023 11:11 PM**
Created By **Anita Wang**

O. Pinellas_County_Stormwater_Manual
Last Modified **8/31/2023 11:10 PM**
Created By **Anita Wang**

N. CBC_Development_Concepts
Last Modified **8/31/2023 11:08 PM**
Created By **Anita Wang**

M. CBC_Drainage_Easments
Last Modified **8/31/2023 11:07 PM**
Created By **Anita Wang**

L. Historically Disadvantaged Infographic
Last Modified **8/31/2023 11:06 PM**
Created By **Anita Wang**

K. IPaC_ Explore Location resources_PINELLAS
Last Modified **8/31/2023 11:06 PM**
Created By **Anita Wang**

J. CBC_Budget_Information
Last Modified **8/31/2023 11:06 PM**
Created By **Anita Wang**

I. Draft Segment 1 Preliminary Design
Last Modified **8/31/2023 11:05 PM**
Created By **Anita Wang**

H. CBC_FEMA_Watershed_Map
Last Modified **8/31/2023 11:04 PM**
Created By **Anita Wang**

G. Final Gateway Master Plan_091820
Last Modified **8/31/2023 11:03 PM**
Created By **Anita Wang**

F. Storm_Surge_Maps
Last Modified **8/31/2023 11:00 PM**
Created By **Anita Wang**

D. Pinellas Countywide Flood Mitigation Action Plan_Full Proposal
Last Modified **8/31/2023 11:00 PM**
Created By **Anita Wang**

C. CBC_Flooding_and_Erosion_Documentation
Last Modified **8/31/2023 10:58 PM**
Created By **Anita Wang**

B. GIS_CBC
Last Modified **8/31/2023 10:57 PM**
Created By **Anita Wang**

A.CrossBayouCanal_PBA_KeyFeatureMaps
Last Modified **8/31/2023 10:54 PM**
Created By **Anita Wang**

E. CBC_Vulnerability_Assessment_Documentation
Last Modified **8/31/2023 10:51 PM**
Created By **Anita Wang**

EGR Application History

8/31/2023 11:46 PM

User **Anita Wang**
Action **Changed Total Grant Funding Amount Requested from $3,308,000.00 to $25,856,000.00.**

8/31/2023 11:44 PM

User **Anita Wang**
Action **Changed Total Grant Funding Amount Requested from $5,356,000.00 to $3,308,000.00.**

8/31/2023 11:44 PM

User **Anita Wang**
Action **Changed Total Grant Funding Amount Requested from $3,308,000.00 to $5,356,000.00.**

8/31/2023 11:44 PM

User **Anita Wang**
Action **Changed Total Grant Funding Amount Requested from $1,260,000.00 to $3,308,000.00.**

8/31/2023 11:43 PM

User **Anita Wang**
Action **Changed Total Grant Funding Amount Requested from $0.00 to $1,260,000.00.**

8/31/2023 11:34 PM

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

8/31/2023 10:46 PM

User **Anita Wang**
Action **Changed Source of Match to Local funds. Changed SLIP Study Required? to No. 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 10:40 PM

User **Anita Wang**
Action **Changed GI Green Stormwater Infrastructure to Yes.**

8/31/2023 10:40 PM

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

8/31/2023 10:30 PM

User **Anita Wang**
Action **Changed Innovative tech to Yes. Changed Community financially disadvantaged to Yes.**

8/31/2023 10:28 PM

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

8/31/2023 10:27 PM

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

8/31/2023 10:26 PM

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

8/31/2023 10:26 PM

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

8/31/2023 10:25 PM

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

8/31/2023 10:24 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 10:20 PM

User	**Anita Wang**
Action	**Changed Percent CA Vulnerable to 80% or more. Changed Existing flood mitigation project to Yes, by incorporating BOTH new or enhanced structure AND natural system restoration and revegetation.**

8/31/2023 10:14 PM

User	**Anita Wang**
Action	**Changed Regionally significant asset to Yes.**

8/31/2023 10:09 PM

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

8/31/2023 10:08 PM

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

8/31/2023 10:02 PM

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

EGR Application Tasks

RTN-04949

Task Number	**1**
Task Description	**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 is to obtain the required environmental permit and complete the final design of the project. A pre-application meeting with the Southwest Florida Water Management District on February 18, 2020 determined an outline of all required permits.**
Total Task Amount Requested	**$1,260,000**

RTN-04951

Task Number	**2**
Task Description	**County staff will coordinate with appraisers and surveyors on appraisals and legal documents needed for the acquisition of property rights.**
Total Task Amount Requested	**$2,048,000**

RTN-04952

Task Number	**3**
Task Description	**County staff will coordinate with appraisers and surveyors on appraisals and legal documents needed for the acquisition of property rights.**
Total Task Amount Requested	**$22,548,000**