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RAN-00890

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?	No		
Local Project Phase	Pre-construction (Design, Permitting, etc.)		
Source of Match	Local funds		
Funding Mechanism	Project costs are projected at \$7,939,200. Cost share of \$3,806,000 has been secured through Penny for Pinellas (Att. J, p 10). Prior expenditures of \$163,600 since 7/2021 will be applied to the match providing \$3,969,600 or 50% of the total cost.		
Estimated Project Duration	24 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	98th Way-100th Way Drainage 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; Drinking Water Infrastructure	Project Geo Location Narrative	The project is located south of Lake Seminole within unincorporated Pinellas County and the City of Seminole. The project proposes to upgrade the existing collection system with new stormwater culverts along 100th Way, Seminole Trail North and along the 98th Way North and

the Pinellas Trail, which acts as a transportation route for many residents. The project length is approximately 1.05 miles. In addition, the existing pond owned by Pinellas County adjacent to 100th Way will be enlarged to provide additional storage, and the outfall from the pond will be redirected to the proposed storm system to the southeast. The expanded pond will reduce flood stages in nearby areas and provide additional stormwater treatment. Attachment A includes a map of the project benefit area and key features. Attachment B includes the project benefit area GIS shapefile

List the City(ies)/Town(s)/Village(s)	Unincorporated Pinellas County and City of Seminole	State Lands Lease Agreement No.	Some of the project will be performed on sovereign submerged lands owned by Pinellas County. The region was historically a wetland and has increased in size over time. As part of this project, a submerged portion of the pond, that the state claims as
State Lands or State Parks Utilized	Yes	Project Geo Location	27.827137 -82.776672
Area Served	Pinellas	Project Geo Location Metadata	
Sponsor City/County		Percent of Population	
Total Population		Total Grant Match Amount	\$4,051,400
Prior Vulnerability		Total Grant Funding Amount Requested	\$7,939,200
Prior Vulnerability Share		Prior Vulnerability Entities	
Project Critical Assets		Funding for Regional Resilience	

General Information

Project Need Pinellas County will address frequent flooding impacting major and local roads, stormwater discharge points, and wastewater assets within the 98th Way/100th Way project area which occurs annually. The project area is vulnerable to excessive flows from tidal inundation and future rainfall conditions—aggravated by an undersized drainage system—which is expected to cause damage to property and roadways and create residential access problems and public safety concerns. This also impacts the adjacent City of Seminole stormwater infrastructure. The northern end of 100th Way is within Seminole city limits and floods at levels greater than 2 feet for a 100-year, 24-hour storm event. Streets like 59th Avenue North, Cherokee Avenue, Seminole Trail, and 100th Way experience regular flooding.

These concerns have been well documented by Pinellas County. The County investigated several sub-basins within the Lake Seminole Watershed,

encompassing about 400 acres, in the vicinity of 98th Way, 100th Way, and the Pinellas Trail—a frequently traveled multimodal trail. The County has also received numerous flooding complaints over the past several years related to the need for enhanced stormwater collection, storage, and conveyance systems to meet the 10-year, 24-hour level of service criteria established by the Pinellas County Stormwater Manual, which exceeds the Florida Department of Transportation's three-year level of service requirement (Att. C, p. 17).

Pinellas County has performed comprehensive modeling to identify mitigation measures to reduce flood impacts to critical assets and ensure impacts are not transferred to adjacent areas. The project proposes to upgrade stormwater infrastructure and add curb inlets to optimize flows, alleviate flooding, and meet capacity. New stormwater culverts along 100th Way, Seminole Trail North, and the Pinellas Trail will connect to a box culvert by 54th Avenue North, which is a collector road that connects a primary arterial road. This will redirect and convey excess flows from the Bay Pines Estates subdivision supplementing the existing stormwater system. An existing County-owned pond adjacent to 100th Way will be expanded for additional storage. The outfall from the pond will be redirected to the proposed storm system to the southeast end of the pond.

The proposed improvements will reduce critical asset and structural flooding for the 100-year storm event and roadway flooding for the 10-year storm event in the surrounding region, including within the Seminole municipal limits. The upgraded stormwater infrastructure will improve stormwater conveyance capacity from the Pinellas Trail via the St. Petersburg/Madeira Beach KOA Holiday campground to Long Bayou, which ultimately feeds the Boca Ciega Bay Aquatic Preserve (a protected regional body of water). The project, included in Pinellas County's FY 2023-2028 Capital Improvement Plan, will also provide additional conveyance for future improvements within the watershed.

Project Fit The project proposes a comprehensive approach that effectively reduces risk to stormwater and coastal flooding while enhancing the resilience of Pinellas County assets including utilities, transportation, and evacuation routes. The primary objective of the project is to upgrade stormwater infrastructure to meet capacity requirements and remove local and critical regional infrastructure and parcels from the floodplain. Preliminary project design considered

asset risks across the 227-acre project benefit area. The project's selected design provides effective stormwater management without transfer of impacts to adjacent areas, some of which are managed by other local governments.

Flood risk in VA	Yes	Flood risk in VA explanation	<p>Yes, the project will reduce the risk of flooding and sea level rise as identified through two Pinellas County assessments and a project vulnerability assessment in the Development and Management Funding Plan. The County's Sea Level Rise and Storm Surge Vulnerability Assessment model results show the project area and assets are vulnerable to tidal and storm surge risks (Attachment D). Pinellas County Public Works' Local Mitigation Strategy (LMS) (2020) identifies potential hazards and vulnerabilities and establishes specific mitigation actions to reduce risk of natural or human caused hazards to people, buildings, infrastructure, and the environment. It recognizes this project as a necessary mitigation strategy to flooding and lists it as LMS 98th Way/100th Way Drainage Improvements (PID 003899A) on row 195 (Attachment D).</p>
Compound flood risk in VA	Yes	Compound flood risk explanation	<p>Yes, the project reduces risk of compound flooding from coastal flooding due to tidal effects, and pluvial flooding (i.e., rainfall induced flooding of drains and storm surge). Pinellas County modeling assessed 10 , 25 , and 100-year, 24 hour rainfall scenarios for initial design, which is the basis for project components. Storm surge exposure was demonstrated in 100% of storm surge exposure scenarios conducted by the County, while the Local Mitigation Strategy assessed risk for 22 hazards, including flooding (Attachment D). The combined vulnerability to rainfall-induced flooding, storm surge, and tidal flooding underscores a high risk for compound flooding</p>
Regionally significant asset	Yes	Regionally significant asset explanation	<p>Yes. The project reduces the risk to two sanitary sewer pump stations that support the collection, transportation, and treatment of wastewater for the local community, serving about 713 houses and at least one mobile home community, providing regional benefits. This project includes improvements to stormwater and wastewater infrastructure that will provide enhanced resilience to these systems. The project will reduce flood stages which will reduce the potential for sanitary sewer overflows, helping limit detrimental impacts on the pump stations and several other utilities, including private storm utility holes and sanitary sewer utilities, and the stormwater and sanitary sewer infrastructure in the City of</p>

Seminole. The project will also benefit a roadway leading to the Keswick Christian School, which is a regionally significant elementary school that serves multiple jurisdictions (Project Benefit Area map, Attachment A).

Percent CA Vulnerable At least one but less than 20%

Percent CA vulnerable explanation

Based on the vulnerability assessment that meets Florida Department of Environmental Protection requirements, the percentage of vulnerable critical assets identified in the project impact area is 10%. Modeling criteria specified by 380.093, F.S. was used (Attachment D). Critical assets in the area include power transmission lines, roadways, stormwater discharge, wastewater manholes, and an elementary school.

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 countywide efforts to improve drainage and reduce flooding within the 100-year floodplain by incorporating both new and enhanced structures as well as natural system restoration and revegetation features. New stormwater pipes and curb inlets will be constructed. To filter stormwater and reduce runoff using native vegetation, a new bioswale will be constructed over the pipe along the Pinellas Trail. An existing stormwater pond will be further expanded. Additionally, an inline backflow check valve will be placed at the old inflow/outflow pipe on the northeast side of the pond to help reduce flooding to the adjacent City of Seminole stormwater assets. Pinellas County will also align the project with their tree mitigation policies which preserve tree canopy for the entire project footprint, ensuring a zero net tree impact (Attachment E).

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 website 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 project costs are projected at \$7,939,200. A 50% cost share of \$3,969,600 has been secured through the Penny for Pinellas tax (https://www.pennyforpinellas.org/). This is a voter-approved, 1% sales tax used to pay for projects to improve Pinellas County infrastructure (Attachment J, Budget Information PDF Page 10, Pinellas County FY 2023 Operating and Capital Budget).
Habitat enhancement or NBS	Yes	Habitat enhancement or NBS explanation	Yes, the project includes environmental habitat enhancement and nature based solutions. Pinellas County supports green infrastructure (including bioswales) and intends to install a new bioswale over the pipe along the Pinellas Trail. As part of the project, an existing stormwater treatment pond will be expanded and will include native vegetation. The natural pond was previously expanded to cover 3 acres of area and will be expanded further as part of this project. The County will also align the project with its tree mitigation policies, which preserve tree canopy for the entire project footprint and ensure zero net tree impact (Attachment E).
Critical habitat	Yes	Critical habitat explanation	A variety of threatened and endangered vertebrate and invertebrate species occur throughout Florida and within the County. Many of these occur in or would benefit from the nature based components of the project, contributing to Long Bayou (feeding the Boca Ciega Bay Aquatic Preserve). By aligning with the County tree mitigation policies to ensure a zero net tree impact, habitats will be retained through project implementation. Mangroves present at the outfall to Long Bayou will benefit from reduced stormwater flows and enhanced water quality. This project directly overlaps with the known range of the threatened eastern black rail and abuts coastal waters

utilized by the west Indian manatee. Listed reptile species within the County include American crocodile, eastern indigo snake and green, hawksbill, leatherback and loggerhead sea turtles. Listed avian species include Audubon's crested caracara, eastern black rail, piping plover, red knot, whooping crane and wood stork (Att. K, L).

Cost effective Yes

Cost effective explanation

Project costs are \$7,939,200. 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. The County will apply all appropriate Uniform Guidance and cost principles toward the use of funds associated with the project (Attachment M, Purchasing Policy & Procedure Manual <https://pinellas.gov/purchasing-policy-procedure-manual/>). The LMS scoring sheet for this project is contained in Attachment N.

Cost share available Yes (Cost share has been secured)

Cost share available explanation

Total requested funding for this project is \$7,939,200 with a 50% cost share of \$3,969,600 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, PDF Page 10, Pinellas County FY 2023 Operating and Capital Budget).

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 and focus on mitigation strategies provided in the LMS (Attachment D).

Innovative tech Yes

Innovative tech explanation

Yes, the project proposes the installation of an inline back check valve to reduce flooding to the adjacent City of Seminole stormwater assets providing regional benefits. The back flow preventer will be strategically placed at the old inflow/outflow pipe (on the northeast side of the pond), which will convert the pipe to inflow only. By doing this and removing the connection to the 62nd Avenue Drainage system that is proposed to be diverted south, the project will reduce flooding at the City of Seminole's stormwater asset #SSW10_8968 by approximately half a foot. Additionally, an innovative bioswale design is proposed over the new stormwater pipe, which is anticipated to

			reduce costs over hardened infrastructure and improve water quality for the surrounding region.
Community financially disadvantaged	No	Comm financially disadvantaged expln	
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 Explanation	Even though this project does not directly construct or expand waste treatment facilities, it still provides benefits to the waste treatment system assets. Through stormwater infrastructure upgrades, the project will reduce flooding at the location of sanitary sewer manholes and reduce the amount of runoff that may inflow to the sanitary sewer system that could contribute to sanitary sewer overflows. This project will help limit detrimental impacts on two regional sanitary pump stations, several local utilities (including private storm and sanitary sewer utility holes), as well as stormwater utilities in the adjacent City of Seminole.
GI Convert Septic To Sewer	No	GI Convert Septic To Sewer Explanation	N/A
GI Green Stormwater Infrastructure	Yes	GI Green Stormwater Infrastructure Expl	Pinellas County supports green infrastructure (including bioswales) and intends to install a new bioswale over the pipe along the Pinellas Trail. As part of the project, an existing stormwater treatment pond will be expanded and will include native vegetation. The natural pond was previously expanded to cover 3 acres of area and will be expanded further as part of this project.
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	All pertinent easements have already been acquired in an earlier phase of the project. All work will take place within the right of way or easement.
Permitting	Pinellas County held a pre-application meeting with Southwest Florida Water Management District on February 2, 2023 (Attachment I includes meeting minutes) and has identified that an Environmental Resources Permit is required.	Metric Assigned	Linear feet of pipe replaced or added
Planning Section Lead		Metric Value	5,540.00
Project Follow Up		Metric Value Units	Linear Feet

Statewide Flooding and Sea Level Rise

Additional Funding

<p>Additional Function Applicant Entity</p> <p>Additional Funding Current Grant</p> <p>Additional Match Secured</p>	<p>Additional Funding Current Grant Number</p> <p>Additional Funding Request</p> <p>Additional Funding Request Justification</p>
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Project Work Plan

<p>Project Summary</p>	<p>The 98th Way/100th Way Drainage Improvements Project will reduce current and future flooding impacts resulting from storm surge, rainfall, and sea level rise. Improvements include new stormwater conveyance systems, stormwater upgrades and pond expansion to create an additional 130,680-acre feet of storage. Critical transportation, stormwater, and wastewater assets will directly benefit from reduced flood risk. Additionally, regional benefits will be realized by critical sanitary pump stations and City of Seminole stormwater infrastructure.</p>	<p>Project Description</p>	<p>The 98th Way-100th Way Drainage Improvements Project will directly benefit and reduce the 100-year/24-hour floodplain across 227 acres of Lake Seminole Watershed Basin located within the project benefit area in Pinellas County. The area experiences frequent flooding that results in asset damage, access issues for private properties and public safety concerns. This is exacerbated by undersized primary drainage system components and the lack of a secondary drainage collection and conveyance system. Further demonstrating project need, future conditions through the Pinellas County Vulnerability Assessment show continued exposure of critical transportation, stormwater, and wastewater assets due to future storm surge and tidal scenarios.</p> <p>Pinellas County has conducted comprehensive modeling to prioritize these specific mitigation components and prevent flood impacts from transferring to adjacent areas. As a result of this detailed assessment, the project focuses on new and enhanced stormwater management systems along the Seminole Trail between 100th Way and the Pinellas Trail. Components include upgrading existing stormwater pipes, adding curb inlets, bioswales, and constructing supplementary stormwater systems. An existing stormwater pond will be expanded to provide an additional 130,680-acre feet of storage to help address flooding along nearby roadways and adjacent properties. These improvements will reduce the stormwater management system's hydraulic grade line elevations at over 90 locations (ranging from 0.1 foot to over 4.1 feet), and critical flooding (2 feet over warning stage) locations will be reduced from three to one.</p> <p>Additionally, regional benefits will be provided to the adjacent City of Seminole stormwater systems along with reduced risk to Pinellas County sanitary pump stations with 713 service lines</p>
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within the region. There are also several public and private assets and utility systems in the region impacted by the floods, including stormwater drains, utility access holes, sewer lines, and sanitary sewer pump stations, that would benefit from this project.

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	Alexandra Rieman, 8/29/2023 2:32 PM	ID	a195G00003BZZ91
Last Modified By	Anita Wang, 8/31/2023 1:28 PM	Preparer Type	Applicant
Owner	Alexandra Rieman	Preparer Account	Pinellas County
EGR Application Name	RAN-00890	Preparer Contact	Anita Wang
		Preparer User	Anita Wang

Files

K. FL_threatened-endangered-species

Last Modified **8/31/2023 9:34 AM**
Created By **Anita Wang**

N. LMS-Scoring_98th100th

Last Modified **8/31/2023 9:13 AM**
Created By **Anita Wang**

M. Pinellas_County_Purchasing_Procedure_Manual

Last Modified **8/31/2023 9:13 AM**
Created By **Anita Wang**

L. IPaC_ Explore Location resources_PINELLAS

Last Modified **8/31/2023 9:12 AM**
Created By **Anita Wang**

J. 98th_100th_Budget_Information

Last Modified **8/31/2023 9:07 AM**
Created By **Anita Wang**

I. SWFWMD_meeting_minutes_2023-02-02_98th Way-100th Way Drainage Improvements

Last Modified **8/31/2023 9:06 AM**
Created By **Anita Wang**

H. Pinellas Trail and 54th Avenue North_Design_Document_Final

Last Modified **8/31/2023 9:00 AM**
Created By **Anita Wang**

G. 98th_100th_Preliminary_Design_Documents

Last Modified **8/31/2023 8:57 AM**
Created By **Anita Wang**

F. 98th_100th_Flooding_and_Erosion_Documentation

Last Modified **8/31/2023 8:57 AM**

E. Pinellas County Tree Removal Procedures

Last Modified **8/31/2023 8:56 AM**

Created By **Anita Wang**

Created By **Anita Wang**

D. 98th_100th_Vulnerability_Assessment_Documentation

Last Modified **8/31/2023 8:55 AM**
Created By **Anita Wang**

B. GIS_98thand100th

Last Modified **8/31/2023 8:53 AM**
Created By **Anita Wang**

C. Pinellas_County_Stormwater_Manual

Last Modified **8/31/2023 8:55 AM**
Created By **Anita Wang**

A. PBA_98thand100th_Way

Last Modified **8/31/2023 8:52 AM**
Created By **Anita Wang**

EGR Application History

8/30/2023 8:12 PM

User **Anita Wang**
Action **Changed Total Grant Funding Amount Requested from \$620,000.00 to \$7,939,200.00.**

8/30/2023 8:09 PM

User **Anita Wang**
Action **Changed Total Grant Funding Amount Requested from \$163,600.00 to \$620,000.00.**

8/30/2023 8:08 PM

User **Anita Wang**
Action **Changed Total Grant Funding Amount Requested from \$0.00 to \$163,600.00.**

8/30/2023 7:39 PM

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

8/30/2023 7:30 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 24 Months. Changed Critical Infrastructure to No.**

8/30/2023 7:16 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 Benefit Spring to No. Changed GI Applied Other Programs to No.**

8/30/2023 7:13 PM

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

8/30/2023 7:04 PM

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

8/30/2023 7:02 PM

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

8/30/2023 6:58 PM

User **Anita Wang**

Action **Changed Previous state funding. Changed Cost share available to Yes (Cost share has been secured).**

8/30/2023 5:46 PM

User **Anita Wang**
Action **Changed Critical habitat from No to Yes.**

8/30/2023 1:34 PM

User **Anita Wang**
Action **Changed Critical habitat to No.**

8/30/2023 1:34 PM

User **Anita Wang**
Action **Deleted No in Critical habitat.**

8/30/2023 1:33 PM

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

8/30/2023 1:32 PM

User **Anita Wang**
Action **Changed Critical habitat to No.**

8/30/2023 1:30 PM

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

8/30/2023 1:15 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 Existing flood mitigation project to Yes, by incorporating BOTH new or enhanced structure AND natural system restoration and revegetation. 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.**

8/30/2023 12:44 PM

User **Anita Wang**
Action **Changed Percent CA Vulnerable to At least one but less than 20%. Changed Regionally significant asset to Yes. Changed Compound flood risk in VA to Yes. Changed Flood risk in VA to Yes.**

8/30/2023 12:32 PM

User **Anita Wang**
Action **Changed Resilient Florida Grant Program Types. Changed Project Geo Location (Longitude) to -82.776672. Changed Project Geo Location (Latitude) to 27.827137. Changed Area Served. Changed State Lands or State Parks Utilized to Yes.**

8/29/2023 2:32 PM

User **Alexandra Rieman**
Action **Created.**

EGR Application Tasks
RTN-04570

Task Number	1
Task Description	This task involves the preliminary work performed including conducting a drainage analysis of the site, clearing the site for direct access and site survey or preliminary assessment. The

Grantee has already performed this work through a work order contract.

Total Task Amount Requested **\$163,600**

RTN-04572

Task Number **2**

Task Description

The project is currently at the 30% design stage and all final designs and plans are expected to be completed by February 2024, as part of this task. The Grantee will acquire professional services for the engineering and design of the improvements and obtain all necessary permits for the construction of the project. No permits for the project have been acquired at this time. 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 (see meeting minutes in Appendix I).

Design and permitting activities will include engineering analyses, preparation of plans and specifications, physical and environmental surveys and analyses, geotechnical services, and other necessary studies for obtaining an environmental permit.

Total Task Amount Requested **\$456,400**

RTN-04573

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 **\$7,319,200**

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