



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2021-2022

LFIR # 1391

1. Project Title 2. Senate Sponsor 3. Date of Request

4. Project/Program Description

This project will remove muck accumulations from the Eau Gallie Causeway (State Road 518) area of the Indian River Lagoon via environmental restoration dredging. This area has about 250,000 cubic yards of decaying muck smothering 75 acres of Indian River Lagoon downstream of a large tributary discharge area recently restored/dredged by the SJRWMD. The project is a priority for removing muck that depletes oxygen, feeds algal blooms, causes fish kills and prevents healthy seagrass habitats. The project will reduce annual nitrogen and phosphorous flux by 10,476 pounds and 1,482 pounds respectively. Lagoon restoration provides a large return on investment based on a 2016 Brevard study that found a 20:1 ratio and a Regional Planning Council study that found a 33:1 return.

5. State Agency to receive requested funds State Agency contacted?

6. Amount of the Nonrecurring Request for Fiscal Year 2021-2022

Type of Funding	Amount
Operations	0
Fixed Capital Outlay	2,500,000
Total State Funds Requested	2,500,000

7. Total Project Cost for Fiscal Year 2021-2022 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	2,500,000	25%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	7,520,487	75%
Other	0	0%
Total Project Costs for Fiscal Year 2021-2022	10,020,487	100%

8. Has this project previously received state funding?

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		

9. Is future funding likely to be requested? a. If yes, indicate nonrecurring amount per year.

b. Describe the source of funding that can be used in lieu of state funding.

10. Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?



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Yes

If yes, indicate the amount of funds received and what the funds were used for.

- Coronavirus Relief Funds (public safety needs and economic support), \$105M
- Transit Services, \$18M
- Housing and Human Services, \$5.4M
- Fire Rescue, \$462K
- Sheriff's Office, \$177K
- Valparaiso Airport, \$30K

11. Details on how the requested state funds will be expended

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits	N/A	0
Other Salary and Benefits	N/A	0
Expense/Equipment/Travel/Supplies/Other	N/A	0
Consultants/Contracted Services/Study	N/A	0
Operational Costs: Other		
Salary and Benefits	N/A	0
Expense/Equipment/Travel/Supplies/Other	N/A	0
Consultants/Contracted Services/Study	N/A	0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Construction. State and federal permits are issued. Bid package is in final review. Dredging will begin in fall of 2021. Dredging is anticipated to take 2 years.	2,500,000
Total State Funds Requested (must equal total from question #6)		2,500,000

12. Program Performance

a. What specific purpose or goal will be achieved by the funds requested?

Decomposing mucky sediments will be environmentally dredged from 150 acres of the Indian River Lagoon to expose clean sediments for restoring historic seagrass and marine life habitat. Muck removal will also improve water clarity and water quality, reducing the risk of algal blooms and fish kills. The project will reduce annual nitrogen and phosphorous flux by 10,476 pounds and 1,482 pounds respectively.

b. What activities and services will be provided to meet the intended purpose of these funds?

Environmental dredging of muck, dewatering of the dredged slurry at a large dredge material management site leased from Florida Inland Navigation District, advanced treatment of the return water (similar to advanced wastewater treatment) before it is discharged to the lagoon, and use of the solids as a soil amendment on agricultural lands distant from the Indian River Lagoon.

c. What direct services will be provided to citizens by the appropriation project?

Restoration of healthy sediments for seagrass and marine habitat; reduced turbidity, total suspended solids, nutrient release, sulfuric acid and oxygen demand; improved water clarity, water quality, light penetration, and dissolved oxygen levels; decreased potential and severity for algal blooms and fish kills.

d. Who is the target population served by this project? How many individuals are expected to be served?



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The entire population of Brevard County (~600,000), tourists engaging in lagoon-dependent activities as well as local and state economic sectors tied to the health of the Indian River Lagoon.

e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

The expected benefit of this project is the reduction of nutrient input, turbidity, and total suspended solids from muck in the Indian River Lagoon. Muck area, volume and associated nutrient content removed from the lagoon will be measured in acres, cubic yards and tons.

The project will reduce annual nitrogen and phosphorous flux by 10,476 pounds and 1,482 pounds respectively. Water quality improvements (nutrient concentrations, water clarity, turbidity, total suspended solids, light penetration, dissolved oxygen, and bloom levels) will be recorded pre- and post-project at long-term water quality monitoring stations operated by SJRWMD and located near the project.

Return water will be tested frequently for nutrient concentration and clarity.

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for the contract?

Past performance should be taken into account by bill sponsors.
Brevard County continues to meet its deliverables.

13. The owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

The site is sovereign submerged land held in trust by the State of Florida for the public. Brevard County will contribute matching funds and staff resources to oversee the project benefiting sovereign submerged lands, outstanding state waters, marine life, public health, and dependent local and state economies.



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14. Requestor Contact Information

a. First Name Last Name

b. Organization

c. E-mail Address

d. Phone Number Ext.

15. Recipient Contact Information

a. Organization

b. Municipality and County

c. Organization Type

- ☐ For Profit Entity
- ☐ Non Profit 501(c)(3)
- ☐ Non Profit 501(c)(4)
- ☒ Local Entity
- ☐ University or College
- ☐ Other (please specify)

d. First Name Last Name

e. E-mail Address

f. Phone Number

16. Lobbyist Contact Information

a. Name

b. Firm Name

c. E-mail Address

d. Phone Number



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Please complete the questions below for Water Projects only.

17. Have you applied for alternative state funding?

- ☐ Waste Water Revolving Loan
- ☐ Drinking Water Revolving Loan
- ☐ Small Community Wastewater Treatment Grant
- ☐ Other (please specify)
- ☒ N/A

18. What is the population economic status?

- ☐ Financially Disadvantaged Community (ch. 62-552, F.A.C)
- ☐ Financially Disadvantaged Municipality (ch. 62-552, F.A.C)
- ☐ Rural Area of Economic Concern
- ☐ Rural Area of Opportunity (s. 288.0656, Florida Statutes)
- ☒ N/A

19. What is the status of construction?

Ready

20. What percentage of the construction has been completed?

0

21. What is the estimated completion date of construction?

11/01/2023