



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2019-2020

LFIR#: 1524

**1. Title of Project:** Palm Bay Turkey Creek Muck Removal Feasibility Study

**2. Senate Sponsor:** Debbie Mayfield

**3. Date of Submission:** 02/13/2019

**4. Project/Program Description:**

A feasibility study, environmental assessment, & engineering alternative analysis is proposed to establish the best way to restore Turkey Creek to its pre-1950 condition. Muck removal has been identified in a comprehensive study of the IRL as an efficient method of reducing nutrient flux, which is an identified source of algal blooms in the estuary. The study and preliminary analysis will determine the feasibility of restoring navigability, and water quality by spoil island removal as well.

**5. State Agency to receive requested funds :** Department of Environmental Protection

State Agency Contacted? No

**6. Amount of the Nonrecurring Request for Fiscal Year 2019-2020**

Type of Funding	Amount
Operations	
Fixed Capital Outlay	160,000
<b>Total State Funds Requested</b>	<b>160,000</b>

**7. Total Project Cost for Fiscal Year 2019-2020 (including matching funds available for this project)**

Type of Funding	Amount	Percent
Total State Funds Requested (from question #6)	160,000	50.00%
Federal	0	0.00%
State (excluding the amount of this request)	0	0.00%
Local	160,000	50.00%
Other	0	0.00%
<b>Total Project Costs for Fiscal Year 2019-2020</b>	<b>320,000</b>	<b>100.0%</b>

**8. Has this project previously received state funding?** No

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

**9. Is future-year funding likely to be requested?** No

**10. Details on how the requested state funds will be expended**

Spending Category	Description	Amount
<b>Administrative Costs:</b>		
Executive Director/Project Head Salary and		



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Benefits		
Other Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other	marine equipment	40,000
Consultants/Contracted Services/Study	project/study design	20,000
<b>Operational Costs:</b>		
Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other	Marine technological equipment and watercraft	50,000
Consultants/Contracted Services/Study	Project/ study implementation/environmental assessment/preliminary engineering alternatives analysis	50,000
<b>Fixed Capital Construction/Major Renovation:</b>		
Construction/Renovation/Land/Planning Engineering		
<b>Total State Funds Requested (must equal total from question #6)</b>		<b>160,000</b>

**11. Program Performance:**

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

Funding will provide for a feasibility study, environmental assessment, and engineering alternative analysis to establish the best way to restore Turkey Creek to its pre-1950 condition. Muck removal has been identified in a comprehensive study of the IRL as an efficient method of reducing nutrient flux, which is an identified source of algal blooms in the estuary. The study and preliminary analysis will determine the feasibility of restoring navigability, and water quality by spoil island removal as well. The feasibility study will provide existing nutrient, and suspended solids measurements.

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

A portion of Turkey Creek is a designated national sanctuary used by members of the public for kayaking, fishing, and nature observance. This study and environmental assessment is the first step in restoring the Turkey Creek area.

**c. What are the direct services to be provided to citizens by the appropriations project?**

The removal of muck and sediments from Turkey Creek has been identified as a means for restoring the waterway, by reducing nutrient legacy loading. A portion of Turkey Creek is a designated national sanctuary used by naturalists and other environmentally conscious members of the public for kayaking, fishing, and nature observance.

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

Palm Bay and Brevard County residents, tourists and the entirety of the Indian River Lagoon region.

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

By removing nutrient-rich sediments the volume of the tailwater to the City's MS4 system will be increased, this will alleviate flooding in low lying areas during large/catastrophic storms. Muck, and sediment removal will in



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the long term improve water clarity by removal of suspended solids and nutrients that increase algae growth. Overall water quality will also be enhanced as oxygen demanding blooms are reduced.

- 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 in the contract?**

reimbursement of funds to the state.

12. **The owner(s) of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owner(s) of the facility and the entity.**

City of Palm Bay

13. **Requestor Contact Information:**

- a. **Name:** Andy Anderson  
b. **Organization:** Palm Bay  
c. **E-mail Address:** Andy.Anderson@palmbayflorida.org  
d. **Phone Number:** (321)409-7187

14. **Recipient Contact Information:**

- a. **Organization:** City of Palm Bay  
b. **County:** Brevard  
c. **Organization Type:**  
 For Profit  
 Non Profit 501(c) (3)  
 Non Profit 501(c) (4)  
 Local Entity  
 University or College  
 Other (Please specify)  
d. **Contact Name:** Andy Anderson  
e. **E-mail Address:** Andy.Anderson@palmbayflorida.org  
f. **Phone Number:** (321)409-7187

15. **Lobbyist Contact Information**

- a. **Name:** Ronald L. Book  
b. **Firm Name:** Ronald L. Book, P.A.  
c. **E-mail Address:** ron@rlbookpa.com  
d. **Phone Number:** (305)935-1866

**Please complete the questions below for Water Projects only**

16. **Have you applied for alternative state funding?**

Wastewater Revolving Loan



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- Drinking Water Revolving Loan
- Small Community Wastewater Treatment Grant
- Other (Please describe)
- N/A

**17. 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

**18. What is the status of construction?** not ready

**19. What percentage of construction has been completed?** 0%

**20. What is the estimated completion date of construction?** 11/30/2020