



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2021-2022

LFIR # 1724

1. **Project Title**

2. **Senate Sponsor**

3. **Date of Request**

4. Project/Program Description

The CREST project is an innovative project that combines the benefit of water quality treatment and flood attenuation. The treatment is obtained through the diversion of storm water from Hendry Canal as an on-line retention structural BMP, through a series of treatment swales during the typical rainy season high flows, thus reducing nitrogen and phosphorus discharges back into the Hendry Canal and soon into the Caloosahatchee River. The river is impaired by total nitrogen and total phosphorus. The second component will be rolled out during a major rain event. The 105-acre project would then use its minor impoundment design to provide flood attenuation and regulate peak freshwater flows to the Caloosahatchee River and estuaries.

5. **State Agency to receive requested funds**

State Agency contacted? No

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

Type of Funding	Amount
Operations	30,000
Fixed Capital Outlay	2,000,000
Total State Funds Requested	2,030,000

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)	2,030,000	100%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	0	0%
Other	0	0%
Total Project Costs for Fiscal Year 2021-2022	2,030,000	100%

8. **Has this project previously received state funding?** Yes

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		
2020-21	0	77,000		No

9. **Is future funding likely to be requested?** Yes

a. **If yes, indicate nonrecurring amount per year.**

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

Bonds or loans FDEP's Water Quality Grant or EPA's 319 Grant.

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



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No

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

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

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study	AIM Engineering; Bidding, inspection and close-out services.	30,000
Operational Costs: Other		
Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	LA-MSID's CREST Phase I project was the design and permitting processes and they are complete. The CREST Phase II project is an innovative project that combines the benefit of water quality treatment and flood attenuation. The treatment is obtained through the diversion of storm water from Hendry Canal as an on-line retention structural BMP, through a series of treatment swales during the typical rainy season high flows, thus reducing nitrogen and phosphorus discharges back into Hendry Canal.	2,000,000
Total State Funds Requested (must equal total from question #6)		2,030,000

12. Program Performance

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

LA-MSID intends to build half of the project in Phase II. The ultimate goal is to reduce freshwater flow to the Caloosahatchee River and eventually to the estuaries where there is an overbalance of fresh water in the estuaries, during the rainy season. The finished product of CREST will reduce Total Nitrogen 4,647 lbs. per year and 2054 lbs per year of Total Phosphorous.

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

This funding would build half of this project, including 3 gated structures, a catchment area, swales and a 1.5-acre lake. Following the completion of this project, staff will begin the operational phase. The gates will be regulated to allow for full-depth swale flows through the 7,000-foot of meandering swales. Staff will grab samples at in inflow and the discharge of the process monthly to measure the reduction of nitrogen and phosphorus.

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

The project provides direct water quality benefits. The other direct benefit is flood control. At times during extra large rain events, like Hurricane Irma, residents that live on Bedman's Creek, which is north of the Dog Canal and outside of our District boundaries, have experienced flooding. This project incorporates a by-pass canal from Dog Canal to Hendry Canal for relief, plus approximately 570-acre/ft of emergency storage.

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



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The target population is about 2 square miles and 300 people in Hendry County and 18 square miles and 20,000 people in Lee County.

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

The benefits of this project are measurable. Zero flooding events inside of the Carlos Waterway basin (where CREST RESIDES) or on Bedman's Creek in the 20-years following construction of Phase II and Phase III. The finished product of CREST will reduce Total Nitrogen 4,647 lbs. per year and 2054 lbs per year of Total Phosphorous. Staff will grab samples at in inflow and the discharge of the process monthly to measure the reduction of nitrogen and phosphorus.

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?

The District would be ineligible to submit for an appropriation for 2 legislative sessions.

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.

Lehigh Acres



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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) FDEP SWAG Grant
- 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?

09/30/2022