

CFI Application Information

Application Id: 321
 New Project? 0
 Project Name: Study – Curlew Creek & Smith Bayou Feasibility Study (Q221)
 Counties Benefited: Pinellas
 Available Programs: Springs
 Cooperator Information: Pinellas County
 Contact Name: Nancy Lamagna
 Contact Email: nlamagna@pinellascounty.org
 Contact Phone: 7274648918
 Contact Ext:
 Contact Address: 14 S. Ft. Harrison Ave.
 Contact City: Clearwater
 Contact State: FL
 Contact Zip: 33756

Project Type and Scheduling

Project Type	Strategic Initiative
Natural Systems	Natural Systems Conservation and Restoration
Flood Protection	Floodplain Management
Water Quality	Water Quality Maintenance and Improvement

Application Milestones

Milestone: Model Refinement	Due Date: 11/12/2022
Milestone: Draft Preliminary Engineering Report	Due Date: 9/13/2023
Milestone: Final Preliminary Engineering Report	Due Date: 2/14/2024

Description

(This FY23 application is for 2nd year of Q221 Study project) Curlew Creek (fresh water segment) is ranked #4 in Pinellas County's 2018 TMDL Priority List. The 2019 Curlew Creek / Smith Bayou Watershed Management Plan (WMP) has recommended several flood protection / water quality best management practices (BMPs). As such, the County will conduct a Preliminary Engineering Report (PER) as initial implementation phase of the recommended BMPs. The PER will assess the selected BMPs in further detail to better define water quality/flood protection benefits, property rights/acquisition needs, permitting /mitigation requirements, research on utility conflicts and potential environmental concerns , in order to provide more comprehensive & detailed projection on each project's needs on budgets /schedules before final implementation. Aside from the 2019 WMP, County has previously completed other studies with other water quality / flood control BMP recommendations for this watershed, which can be also assessed and modeled in more detail by this PER project.

Benefit

This PER study will provide alternative analysis and more detailed modeling analysis on BMP's recommended in the WMP, to fine tune each BMP's project cost /schedule estimation, and help identify early on for potential project challenges like property /easement needs & costs, environmental concerns, and specific corridor or locational constraints. For the BMPs selected in this feasibility study, the PER will incorporate public outreach, alternative analysis evaluation, geotechnical investigation, environmental research, to help sharpen the cost/schedule projection for each BMP, and establish a more-detailed engineering basis needed for final design/construction phase of each BMP. Final list of selected BMPs to be included in this preliminary study will be determined upon negotiated consultant scope.

Cost

FY22: \$361,000 (SWFWMD \$180,500 / Pinellas County \$180,500) FY23: \$139,000 (SWFWMD \$69,500 / Pinellas County \$69,500)
 Future: \$222,000

Complementary Efforts

The Pinellas County has a CRS rating of Class 5 by FEMA since 2016. The Pinellas County Comprehensive Plan obligates the County to protect, enhance, and improve water quality through water quality monitoring, watershed management plan development, implementation of projects, and environmental enforcement. In addition, the County is obligated by the Comprehensive Plan to work to improve flood protection and natural systems. The County has a fertilizer ordinance which restricts using projects containing nitrogen or phosphorus during rainy season, with a related public outreach & education program. In addition, many of our County vehicles are wrapped with Stormwater education messages. Furthermore, professional landscape maintenance companies are required to take a MP training certification course.

Application Funding

Funding Source	Prior(\$)	FY2022(\$)	FY2023(\$)	Future(\$)
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Applicant Share	0	180,500	69,500	111,000
District Share	0	180,500	69,500	111,000

Application Documents

Document Name	Document Type
FY23-PW-Recommendation-Memo_Final-R2_20210914_signed.pdf	Other Document
SWFWMD Cooperative Funding 2023-R2_FINAL_20210914-MAP.pdf	Map
OMB-approved_PER-CurlewSmith_FY23-CFI_69500.pdf	Funding Letter
2018 TMDL Prioritization Plan.pdf	Other Document
Curlew-Smith-WMP-BMP-loc-map.PNG	Map