

CFI Application Information

Application Id: 177
 New Project? 0
 Project Name: Study - McKay Creek Model Update, Alternatives Analysis and Feasibility Study (Q171)
 Counties Benefited: Pinellas
 Available Programs: Springs
 Cooperator Information: Pinellas County
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Project Type and Scheduling

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

Application Milestones

Milestone: PER Commencement	Due Date: 12/1/2020
Milestone: PER Completion	Due Date: 12/31/2022

Description

(This is 2nd year of a 2-yr PER project for McKay Creek BMPs Feasibility study) McKay Creek is the number one and number five priority TMDL (tidal and freshwater segments, respectively) for Pinellas County as of the 2018 prioritization plan. As such, the County will conduct a Preliminary Engineering Report (PER) to evaluate the 2014 McKay Creek watershed management plan (WMP) and other studies recommendations, and assess the best management practices (BMPs) in further detail to better define water quality/flood protection benefits, property rights/acquisition needs, permitting/mitigation requirements, and project costs. In addition, the PER will provide alternatives analysis, model update, and preliminary engineering on selected BMPs, including necessary survey, geotechnical / environmental and utility conflicts research. The PER will serve to evaluate the recommended BMPs in further detail in order to sharpen the cost /schedule estimation and better prepare for final design/construction.

Benefit

The PER will provide updated and more detailed analysis, cost estimates, and water quality/flood protection benefit calculations, along with preliminary design, for the BMPs that were originally recommended in the 2014 watershed management plan (WMP) and other studies for McKay Creek watershed. The County intends to move forward with design and construction of those BMPs subsequent to the PER. These BMPs will serve to improve water quality and flood protection within the McKay Creek watershed, which is a high priority area for Pinellas County, and has a TMDL for DO/Nutrients in the tidal segment (WBID 1633) and nutrients in the freshwater segment (WBID 1633B).

Cost

\$520,000 total, with half in FY21 and the other half in FY22. FY21: \$260k total (\$130k SWFWMD / \$130k County) FY22: \$260k total (\$130k SWFWMD / \$130k County)

Complementary Efforts

Pinellas County has a CRS rating of Class 5 from FEMA. The Pinellas County Comprehensive Plan requires the County to protect, enhance, and improve water quality through the implementation of projects, water quality monitoring, watershed management plan development, and environmental enforcement. In addition, the County is required by the Comprehensive Plan to work towards improving flood protection and natural systems. The County has a fertilizer ordinance which restricts the use of products containing nitrogen or phosphorus during the rainy season with a related sales ban, a pet waste ordinance, and a street sweeping program, all of which are designed to reduce nutrient pollution to receiving waters. The County also has a stormwater assessment that collects money to fund surface water programs which includes stormwater maintenance and related public education/outreach programs. Many of the vehicles in our fleet are wrapped with stormwater educational messages. Professional landscape maintenance companies are also required to take a best management practices training certification course.

Application Funding

Funding Source	Prior(\$)	FY2021(\$)	FY2022(\$)	Future(\$)
Applicant Share	0	130,000	130,000	0
District Share	0	130,000	130,000	0

Application Documents

Document Name	Document Type
Map.jpg	Map
Sub-Basins Map.jpg	Map
2018 TMDL Prioritization Plan.pdf	Other Document
2014 WMP Part 3.pdf	Project Plan
2014 WMP Part 2.pdf	Project Plan
2014 WMP Part 1.pdf	Project Plan
Prioritization Letter - CFI Ranked Projects FY22 - FE(signed).pdf	Ranking Letter
Grants - Intent to Apply Form Submitted to OMB - CFI - McKay Creek BMP PER.pdf	Funding Letter