

**COOPERATIVE FUNDING PROGRAM
STORMWATER MANAGEMENT PROJECT APPLICATION**

Applications are limited to 25 pages including figures, Reduction of Matching Funds (if applicable), and Acknowledgment letters. Application submittals must be uploaded at <http://www.sfwmd.gov/coopfunding> by **May 20, 2016 at 6:00 PM**. Prior to completing this Application, it is recommended you read the [CFP Guidelines](#). This application is for projects which will be constructed between October 1, 2016 and September 30, 2018.

PROJECT SUMMARY

Project Name: Avenue O Neighborhood Infrastructure Improvements			
Project Location: Riviera Beach		County: Palm Beach County	
Project Type (check all that apply):			
Water Quality / Quantity Improvement <input checked="" type="checkbox"/>		Infrastructure Improvement <input checked="" type="checkbox"/>	
Natural System Restoration <input type="checkbox"/>		Storage <input checked="" type="checkbox"/> Flood Protection <input checked="" type="checkbox"/>	
Receiving Waters for Project: SFWMD C-17 Canal			
Applicant: City of Riviera Beach			
Authorized Representative: Brynt Johnson		Project Manager (PM), if different: Terrence N. Bailey	
Address: 2391 Ave L		PM Address: 2391 Ave L	
City/Zip: Riviera Beach 33404		PM City/Zip: Riviera Beach 33404	
Telephone: 561-845-4080		PM Telephone: 561-845-3472	
Email: bjohnson@rivierabch.com		PM Email: tbailey@rivierabch.com	
Project Cost: \$7,299,335		Total Project Cost, if multi-year: N/A <input type="checkbox"/>	
Eligible (Construction) Cost: \$1,780,018		Local Match: \$1,530,018	
Requested Funding Amount: \$250,000		Requested Funding Percentage: 14%	
Is this a multi-year: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
If yes, Number of Project Phases:			
If yes, Project Phases Completed to Date:			
If yes, Expected Total Project Completion Date:			
If yes, has this project received previous SFWMD funding? Yes <input type="checkbox"/> No <input type="checkbox"/>			
If yes, please provide the following information:			
Agreement No.	Year Awarded	Amount Awarded	Amount Invoiced
Are there other District programs or other agencies contributing funding to this project? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
If yes, source(s): FDEP contract # S0771, dated 5/28/15			
If yes, amount(s): \$425,000 (Note: amount can be applied towards entire project costs, including watermain and roadway improvements)			
Does any SFWMD employee, Governing Board member, contractor, or other affiliate of the Applicant have a financial interest in this project, the property associated with this project or with any party that may profit financially from this project? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
If yes, list the parties and interests: Enter text.			
Is the project part of a capital improvement plan? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
This is a reimbursement program with the entire project scope expected to be completed within the funding period, regardless of amount awarded. There is no guarantee the Applicant will be awarded the amount requested. Are budgeted funds available to pay for the entire scope of the project? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			

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<p>Does the applicant understand that if for any reason, the project scope is not fulfilled to 100% completion as outlined in the statement of work, the funding amount will be reduced to match the original percentage of funding in the purchase order that was based on the estimated total initial project cost estimate as provided in the application? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>Does the applicant understand that if the project scope is completed as outlined in the statement of work and total actual total project costs are below the estimated total project cost, the applicant may not be eligible to receive up to the full award amount? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>Does the applicant understand that funds are only for expenses incurred or obligated during the funding period (October 1, 2016- September 30, 2018)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>Is the Applicant a REDI Community? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, can the Applicant provide REDI Community certification? Yes <input type="checkbox"/> No <input type="checkbox"/></p>

PROJECT DETAILS

<p>1. Provide a high-level description (several sentences) of the project.</p> <p>This Project area of Avenue O was identified as a Capital Improvement Project in need of stormwater system improvements based on the City's Stormwater Master Plan dated 2009. The existing drainage system within the Avenue O Project Area consists of multiple isolated gravity pipes and inlets collecting stormwater runoff from the public right of way areas and discharging to local RC-1A canal that ultimately connect to the SFWMD C17 Canal via two independent positive outfalls. The installation of exfiltration trench throughout the neighborhood and the interconnection of all of the isolated drainage systems was selected as the most effective option for reducing the peak flood stage and reducing the flood duration. A total of 6400 linear feet of exfiltration trench is being proposed throughout the neighborhood, which will provide additional storage and improve the water quality of stormwater runoff prior to discharging at the outfalls.</p>
<p>2. Please upload or attached the following:</p> <ul style="list-style-type: none"> a. At least one letter-sized figure that depicts the project location in relation to the nearest major road intersection b. At least one letter-sized figure that depicts project details and illustrates information provided in the Statement of Work c. A GIS shapefile or AutoCAD dwg file per Florida State East Zone, NAD83 HARN, US Survey feet of the project location or latitude/longitude:
<p>3. Provide a description for the project, which may be used to create contract documents if selected, that includes:</p> <ul style="list-style-type: none"> a. Relevant Background Information The City of Riviera Beach developed a Stormwater Master Plan in 2009 creating Capital Improvement Projects that were identified based on public safety, flood control, water quality benefits, recreational benefits and implementability. This Avenue O Project was identified as a Capital Improvement Project in need of stormwater system improvements. This Project is bounded from Australian Avenue to the east and Avenue R to the west; Blue Heron Blvd to the south and W 27th Street to the north. The identified problem, as noted in the Stormwater Master Plan, was no drainage infrastructure existing to collect stormwater runoff (for Project RC1-CIP04 Avenue O) and low level of service, possible structure flooding (for Project RC1-CIP06, Avenue R). The existing drainage system within the Avenue O Project consists of isolated drainage inlets and gravity pipes collecting stormwater runoff from the public rights-of-way areas and discharging to

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	<p>the local RC-1A canal that ultimately connect to the SFWMD C17 Canal via two independent positive outfalls.</p> <p>b. Purpose or Objective(s) The purpose of the Avenue O Project (W 11th St to W 14th St) is to enhance the drainage system throughout the residential neighborhood to reduce flooding. The installation of exfiltration trench throughout the neighborhood and connection all independent drainage systems and outfalls was selected as the most effective option for reducing the peak flood stage and reducing the flood duration. A total of approximately 6400 linear feet of exfiltration trench and 3300 linear feet of solid pipe is being proposed throughout the neighborhood. These proposed improvements will reduce flooding by providing additional storage and improving the water quality of the stormwater runoff prior to discharging into the SFWMD C17 Canal.</p> <p>c. Statement of Work The proposed activities will include (1) approximately 6400 linear feet of exfiltration trench and 3300 linear feet of solid pipe, (2) approximately 132 drainage structures, (3) multiple pollution retardant baffles at inlets to keep debris out of the drainage system and ultimately the canal, and (4) regraded roadway with curb and valley gutters to convey flow into the proposed drainage system.</p>
4.	<p>Explain how the project aligns with the District’s mission.</p> <p>This project will improve flood control and water quality through the installation of exfiltration trench which provide additional storage and allow stormwater to percolate into the ground water while reducing flooding on the roadways. The current drainage design allows all stormwater runoff to travel into the existing inlets in which only a select few discharge into the SFWMD canal network. The installation of these proposed exfiltration trenches and pollution retardant baffles will provide water quality and storage for the runoff prior to discharging into the outfalls and canals.</p>
5.	<p>Explain how the project aligns with other applicable plans such as a watershed protection plan, basin management plan, total maximum daily load allocation, or stormwater improvement master plan.</p> <p>The City of Riviera Beach Stormwater Master Plan identified this Avenue O Project as project ID: RC1-CIP04 and RC1-CIP06. The Stormwater Master Plan identified specific improvements including adding additional 15” and 18” stormwater pipes (850LF) or upsizing the existing 18” to 24” stormwater pipes (175LF). The current project improvements exceed what was original specified in the Master Plan as the proposed drainage system consists of over 6400 linear feet of not only pipe to interconnect the neighborhood, but also exfiltration trench to provide the additional storage and water quality.</p>
6.	<p>Describe measurable community or environmental benefits of this project with respect to relevant considerations (improvement of water quality and/or quantity and benefits to natural systems; degree of flood protection and/or resource protection). Please include specific details such as estimated mass of nutrient/contaminant reductions (parts per billion, pounds per day/year) or removal efficiencies, area of natural systems to be restored or enhanced (acres), level of service attributes, conveyance capacity (CFS), and/or volume of storage (acre-feet). Please include all calculations.</p> <p>As noted, this project will improve the flood control and water quality through the installation of exfiltration trench. Calculations are attached to display the approximate amount of storage (16.53 ac-ft) and estimated nutrient removal efficiency (93.6%) due to the installation of these proposed exfiltration trenches.</p>
7.	<p>If applicable, provide the name and reference (i.e., page number) of the related project in the relevant plan associated with the proposed work:</p>

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PROJECT READINESS

1. Does this project have approval from your Commission or Council? Yes No
 When did approval for this project occur or when is approval expected to occur? **9/3/2014**
 Additional space for further explanation: **Resolution No 89-14; Approved bond issuance for project**

2. Is design of this project complete? Yes No
 If no, is design of this project currently underway? Yes No
 If yes, what percentage of design is complete? **75%**
 If yes, when will design of this project be complete? **September 2016**
 If no, explain:

3. Are the necessary land acquisitions for this project complete? Yes No
 If no, when will land acquisition be complete?
 Additional space for further explanation:

4. Have the necessary access agreements, right-of-way permits, and/or easements for this project been finalized? Yes No
 If no, when will these items be finalized?
 Additional space for further explanation:

5. List requisite federal, state, and/or local permits in the following table and provide applicable information.

Agency	Permit No.	Permit Type (Water/WW, ERP, CUP, Building)	Permit Obtained?		Permit Date (expected date if not obtained yet)
			Yes	No	
SFWMD	TBD	ERP		TBD	Oct 2016
Enter text.	Enter text.	Enter text.	Enter text.	Enter text.	Enter text.
Enter text.	Enter text.	Enter text.	Enter text.	Enter text.	Enter text.
Enter text.	Enter text.	Enter text.	Enter text.	Enter text.	Enter text.
Enter text.	Enter text.	Enter text.	Enter text.	Enter text.	Enter text.

6. Has a contractor been selected for this project? Yes No
 If no, when will a contractor be selected? **November 2016**
 Additional space for further explanation: Enter text.

7. Describe the project timeline and identify significant project milestones and associated dates. Enter text. A Gantt chart may be attached for additional illustration.
 When will construction for this project begin? **January 2017**
 What is the duration of construction activities in months? **6-8 months**
 When will this project be complete? **July 2017 – September 2017**

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SUBMITTAL CHECKLIST

Have project figures been included in the application or uploaded/attached separately? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Has the GIS shapefile or AutoCAD dwg file for the project been uploaded? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If no, have latitude and longitude been provided as requested in question 2-C? Yes <input type="checkbox"/> No <input type="checkbox"/>
Have measurable community or environmental benefits been sufficiently discussed and quantified in question 6? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Has the Acknowledgment Form been completed and notarized (on letterhead) and uploaded/attached as a pdf? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
If applicable, has the Waiver to Reduction Form been completed (on letterhead) and uploaded/attached as a pdf? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>