

2627 - CID510130_RoanokeCity_CFPF-1

Application Details

Funding Opportunity:
2336-Virginia Community Flood Preparedness Fund - Project Grants - CY24 Round 5

Funding Opportunity Due Date: Jan 24, 2025 11:59 PM

Program Area: Virginia Community Flood Preparedness Fund

Status: Under Review

Stage: Final Application

Initial Submit Date: Dec 27, 2024 10:52 AM

Initially Submitted By: Marcus Aguilar

Last Submit Date:

Last Submitted By:

Contact Information

Primary Contact Information

Active User*: Yes

Type: External User

Name*: Dr. Marcus F Aguilar
Salutation First Name Middle Name Last Name

Title: Civil Engineer II

Email*: marcus.aguilar@roanokeva.gov

Address*: 1802 COURTLAND RD NE

Phone*: ROANOKE Virginia 24012
City State/Province Postal Code/Zip
540-580-7209 Ext.
Phone
###-###-####

Fax: ###-###-####

Comments:

Organization Information

Status*: Approved

Name*: ROANOKE CITY

Organization Type*: Local Government

Tax ID*: 54-6001569

Unique Entity Identifier (UEI)*: NBFNAEXRHD76

Organization Website:

Address*: City of Roanoke
215 Church Avenue, SW Room 364

Phone*: Roanoke Virginia 24011-
City State/Province Postal Code/Zip
(540) 580-7209 Ext.
###-###-####

Fax: ###-###-####

Benefactor:

Vendor ID:

Comments:

VCFPF Applicant Information

Project Description

Name of Local Government*: City of Roanoke

Your locality's CID number can be found at the following link: [Community Status Book Report](#)

NFIP/DCR Community Identification Number (CID)*: 510130

If a state or federally recognized Indian tribe,

Name of Tribe:

Authorized Individual*: Lydia Patton
First Name Last Name

Mailing Address*: 215 Church Avenue SW
Address Line 1
Address Line 2
Roanoke Virginia 24011
City State Zip Code

Telephone Number*: 540-853-2333

Cell Phone Number*: 540-853-2333

Email*: lydia.patton@roanokeva.gov

Is the contact person different than the authorized individual?

Contact Person*: Yes

Contact: Marcus Aguilar
First Name Last Name
1802 Courtland Rd
Address Line 1
Address Line 2
Roanoke Virginia 24012
City State Zip Code

Telephone Number: 540-853-5918

Cell Phone Number: 540-580-7209

Email Address: marcus.aguilar@roanokeva.gov

Enter a description of the project for which you are applying to this funding opportunity

Project Description*:

This scope of this project includes acquisition and demolition of two floodway properties (1941 and 1953 Franklin Rd SW) followed by the removal of all impervious cover, re-grading the site to establish a floodplain bench and improve flood storage, and re-planting the site with appropriate, functional grasses, trees, and shrubs. This proposed project would tie into and extend the benefits of the Ore Branch Floodplain Restoration project funded under CFPF 24-04-05.

Low-income geographic area means any locality, or community within a locality, that has a median household income that is not greater than 80 percent of the local median household income, or any area in the Commonwealth designated as a qualified opportunity zone by the U.S. Secretary of the Treasury via his delegation of authority to the Internal Revenue Service. A project of any size within a low-income geographic area will be considered.

Is the proposal in this application intended to benefit a low-income geographic area as defined above?

Benefit a low-income geographic area*: Yes

Information regarding your census block(s) can be found at census.gov

Census Block(s) Where Project will Occur*: 517700030003003

Is Project Located in an NFIP Participating Community?* Yes

Is Project Located in a Special Flood Hazard Area?* Yes

Flood Zone(s) (if applicable): Zone AE - FLOODWAY

Flood Insurance Rate Map Number(s) (if applicable): 51161C0164G

Eligibility CFPF - Round 4 - Projects

Eligibility

Is the applicant a local government (including counties, cities, towns, municipal corporations, authorities, districts, commissions, or political subdivisions created by the General Assembly or pursuant to the Constitution or laws of the Commonwealth, or any combination of these)?

Local Government*:

Yes

Yes - Eligible for consideration

No - Not eligible for consideration

Does the local government have an approved resilience plan and has provided a copy or link to the plan with this application?

Resilience Plan*:

Yes

Yes - Eligible for consideration under all categories

No - Eligible for consideration for studies, capacity building, and planning only

If the applicant is not a town, city, or county, are letters of support from all affected local governments included in this application?

Letters of Support*:

N/A

Yes - Eligible for consideration

No - Not eligible for consideration

N/A - Not applicable

Has this or any portion of this project been included in any application or program previously funded by the Department?

Previously Funded*:

No

Yes - Not eligible for consideration

No - Eligible for consideration

Has the applicant provided evidence of an ability to provide the required matching funds?

Evidence of Match Funds*:

Yes

Yes - Eligible for consideration

No - Not eligible for consideration

N/A - Match not required

Scoring Criteria for Flood Prevention and Protection Projects - Round 4

Scoring

Category Scoring:

Hold CTRL to select multiple options

Project Category*:

Acquisition of developed property consistent with an overall comprehensive local or regional plan for purposes of allowing inundation, retreat, or acquisition of structures and where the flood mitigation benefits will be achieved as a part of the same project as the property acquisition.

Is the project area socially vulnerable? (based on ADAPT Virginia's Social Vulnerability Index Score)

Social Vulnerability Scoring:

Very High Social Vulnerability (More than 1.5)

High Social Vulnerability (1.0 to 1.5)

Moderate Social Vulnerability (0.0 to 1.0)

Low Social Vulnerability (-1.0 to 0.0)

Very Low Social Vulnerability (Less than -1.0)

Socially Vulnerable*:

High Social Vulnerability (1.0 to 1.5)

Is the proposed project part of an effort to join or remedy the community's probation or suspension from the NFIP?

NFIP*:

No

Is the proposed project in a low-income geographic area as defined below?

"Low-income geographic area" means any locality, or community within a locality, that has a median household income that is not greater than 80 percent of the local median household income, or any area in the Commonwealth designated as a qualified opportunity zone by the U.S. Secretary of the Treasury via his delegation of authority to the Internal Revenue Service. A project of any size within a low-income geographic area will be considered.

Low-Income Geographic Area*: Yes

Projects eligible for funding may also reduce nutrient and sediment pollution to local waters and the Chesapeake Bay and assist the Commonwealth in achieving local and/or Chesapeake Bay TMDLs. Does the proposed project include implementation of one or more best management practices with a nitrogen, phosphorus, or sediment reduction efficiency established by the Virginia Department of Environmental Quality or the Chesapeake Bay Program Partnership in support of the Chesapeake Bay TMDL Phase III Watershed Implementation Plan?

Reduction of Nutrient and Sediment Pollution*: Yes

Does this project provide "community scale" benefits?

Community Scale Benefits*: More than one census block

Expected Lifespan of Project

Expected Lifespan of Project*: Over 20 Years

Comments:

See Criteria section of Scope of Work Narrative for more detailed explanations.

Scope of Work - Projects - Round 4

Scope of Work

Upload your Scope of Work

Please refer to Part IV, Section B. of the grant manual for guidance on how to create your scope of work

Scope of Work*: Ore Branch - Scope of Work Narrative - FINAL.pdf

Comments:

Budget Narrative

Budget Narrative Attachment*: DCR CFPF 1 - Ore Branch - Budget Narrative.pdf

Comments:

Scope of Work Supporting Information - Projects

Supporting Information - Projects

Provide population data for the local government in which the project is taking place

Population*: 97847.00

Provide information on the flood risk of the project area, including whether the project is in a mapped floodplain, what flood zone it is in, and when it was last mapped. If the property or area around it has been flooded before, share information on the dates of past flood events and the amount of damage sustained

Historic Flooding data and Hydrologic Studies*: DCR CFPF 1 - Ore Branch - Historic Flooding Data and Study.pdf

Include studies, data, reports that demonstrate the proposed project minimizes flood vulnerabilities and does not create flooding or increased flooding (adverse impact) to other properties

No Adverse Impact*: DCR CFPF 1 - Ore Branch - No Adverse Impacts.pdf

Include supporting documents demonstrating the local government's ability to provide its share of the project costs. This must include an estimate of the total project cost, a description of the source of the funds being used, evidence of the local government's ability to pay for the project in full or quarterly prior to reimbursement, and a signed pledge agreement from each contributing organization

Ability to Provide Share of Cost*: DCR CFPF 1 - Ore Branch - Ability to Provide Share of Cost.pdf

A benefit-cost analysis must be submitted with the project application

Benefit-Cost Analysis*: DCR CFPF 1 - Ore Branch - Benefit Cost Analysis.pdf

Provide a list of repetitive loss and/or severe repetitive loss properties. Do not provide the addresses for the properties, but include an exact number of repetitive loss and/or severe repetitive loss structures within the project area

Repetitive Loss and/or Severe Repetitive Loss Properties*: DCR CFPF 1 - Ore Branch Repetitive Loss.pdf

Describe the residential and commercial structures impacted by this project, including how they contribute to the community such as historic, economic, or social value. Provide an exact number of residential structures and commercial structures in the project area

Residential and/or Commercial Structures*:

Both of the subject properties are designated for commercial use and the three total structures on the properties are presently occupied by a commercial florist business. The calendar year operating budget for this business was \$4.24M. Both of these structures were built in the late 1950's and do not contribute any historical value, however the current owner is a well-known and respected business owner and community member in the Roanoke Valley and the business is generally seen as an important community asset. City Economic Development staff are currently working to identify a suitable site within the City to move the florist business.

If there are critical facilities/infrastructure within the project area, describe each facility

Critical Facilities/Infrastructure*:

While the project site does not contain any critical facilities, the adjacent Franklin Rd./US220 is part of VDOT's "North Carolina to West Virginia" Corridor of Statewide Significance. Furthermore, both Brandon Ave. SW and Franklin Rd. SW are an important corridor for emergency vehicle routing to and from the nearby Carilion Roanoke Memorial Hospital. Flooding on these two roadways represents an impediment to emergency vehicles and any reduction in flood frequency and depths would reduce emergency access risk.

Explain the local government's financial and staff resources. How many relevant staff members does the local government have? To what relevant software does the local government have access? What are the local government's capabilities?

Financial and Staff Resources*:

The City's Stormwater Utility has sufficient financial and staff resources to successfully deliver this proposed work, including an annual revenue of nearly \$10M and a robust technical staff including a Stormwater Manager, three senior engineers, one water quality administrator, three junior engineers, one project inspector, two GIS/Asset Management staff and two environmental specialists. The Stormwater Utility also has over 30 front-line operations employees that build and maintain stormwater assets, and the Stormwater Utility collaborates heavily with the City's Planning Building and Development Department, City Engineer's office, and Emergency Managers.

This particular project will be managed by a senior stormwater engineer (PE), with the support of a junior engineer (EIT, CFM), GIS specialist and project inspector. The consulting design and permitting team includes a senior

engineer (PE, CFM), a junior engineer (EIT) and a staff scientist. Modeling for floodplain analysis and permitting will be performed by a consultant using HEC-RAS 1-D Steady State modeling, to be reviewed by the City's Floodplain Administrator. All design work will be performed using AutoCAD Civil3D.

Notwithstanding the funding and capabilities of the Stormwater Utility, external funding is imperative because of the backlog of approximately \$150M in neighborhood drainage projects, \$90M in downtown flooding projects and \$150M in water quality projects. External funding is needed to achieve the long-range goals of flood risk mitigation and improved water quality.

Identify and describe the goals and objectives of the project. Include a description of the expected results of the completed project and explain the expected benefits of the project. This may include financial benefits, increased awareness, decreased risk, etc.

Goals and Objectives*:

This project has three objectives to be achieved within the three-year period of performance:

1. Eliminate flood risk to the two subject properties by acquiring properties and demolishing existing structures.
2. Reduce flood risk to surrounding flood prone buildings, roadways and greenways by removing impedances to flow (buildings) and opening floodplain.
3. Improve water quality by removing impervious cover, reducing volume of runoff and restoring a natural floodplain area.

The anticipated results of this project would completely eliminate the flood risk to the two subject properties and would reduce flood impacts and related to risk to the adjacent transportation assets.

Outline a plan of action laying out the scope and detail of how the proposed work will be accomplished with a timeline identifying expected completion dates. Determine milestones for the project that will be used to track progress.

Explain what deliverables can be expected at each milestone, and what the final project deliverables will be. Identify other project partners

Approach, Milestones, and Deliverables*: DCR CFPF 1 - Ore Branch - ApproachMilestonesDeliverables.pdf

Where applicable, briefly describe the relationship between this project and other past, current, or future resilience projects. If the applicant has received or applied for any other grants or loans, please identify those projects, and, if applicable, describe any problems that arose with meeting the obligations of the grant and how the obligations of this project will be met

Relationship to Other Projects*:

The proposed project is located adjacent to and extends the benefits of the Ore Branch Stream and Floodplain Restoration project, funded under DCR Community Flood Preparedness Fund (CFPF) Round 4, award 24-04-05. In addition, the first step towards resilience along Ore Branch began with a 2019 FEMA Pre-Disaster Mitigation grant for acquisition/demolition of a flood prone hotel and conference center at the adjacent parcel.

For ongoing projects or projects that will require future maintenance, such as infrastructure, flood warning and response systems, signs, websites, or flood risk applications, a maintenance, management, and monitoring plan for the projects must be provided

Maintenance Plan*: DCR CFPF 1 - Ore Branch - Maintenance Plan.pdf

Describe how the project meets each of the applicable scoring criteria contained in Appendix B. Documentation can be incorporated into the Scope of Work Narrative

Criteria*:

See Also, Scope of Work Narrative p.15

Eligible Projects - 30/30 - project mitigates high flood risk properties

SVI Score - 8/10 - VFRIS "High" vulnerability

Community Scale - 30/30 - Project will reduce flood depths in Block 3003, along Brandon Ave (Block 3002/3006) and across Franklin Rd (Block 5002). US Rte 220 has 20000 trips per day and is the primary route to the main

hospital

Expected Lifespan - 10/10 - Nature-based projects expected to have indefinite useful lives

Remedy for NFIP - 0/5

Low Income Area - 10/10 - Entire City designated as low income

TMDL - 5/5 - Project reduces TP loading in accordance with VRRM 4.1

Budget

Budget Summary

Grant Matching Requirement*:

LOW INCOME - Projects that will result in nature-based solutions - Fund 95%/Match 5%

Is a match waiver being requested?

Match Waiver Request No

Note: only low-income communities are eligible for a match waiver.

*:

I certify that my project is in a low-income geographic area: Yes

Total Project Amount (Request + Match)*: \$1,464,000.00
**This amount should equal the sum of your request and match figures

REQUIRED Match Percentage Amount: \$73,200.00

BUDGET TOTALS

Before submitting your application be sure that you meet the match requirements for your project type.

Match Percentage:

5.00%

Verify that your match percentage matches your required match percentage amount above.

Total Requested Fund Amount: \$1,390,800.00

Total Match Amount: \$73,200.00

TOTAL: \$1,464,000.00

Personnel

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

Fringe Benefits

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

Travel

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

Equipment

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

Supplies

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

Construction

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

Contracts

Description	Requested Fund Amount	Match Amount	Match Source
A&E + Demolition Contracts (see attached "DCR CFPF 1 - Ore Branch - Budget Narrative.pdf")	\$1,383,960.00	\$72,840.00	Cash
	\$1,383,960.00	\$72,840.00	

Maintenance Costs

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

PreAward and Startup Costs

Description	Requested Fund Amount	Match Amount	Match Source
Property Appraisals and Environmental Assessments	\$6,840.00	\$360.00	Cash
		\$360.00	

Other Direct Costs

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

Long and Short Term Loan Budget - Projects - VCFPF

Budget Summary

Are you applying for a short term, long term, or no loan as part of your application?

If you are not applying for a loan, select "not applying for loan" and leave all other fields on this screen blank

Long or Short Term*:	Not Applying for Loan
Total Project Amount:	\$0.00
Total Requested Fund Amount:	\$0.00
TOTAL:	\$0.00

Salaries

Description	Requested Fund Amount
No Data for Table	

Fringe Benefits

Description	Requested Fund Amount
No Data for Table	

Travel

Description	Requested Fund Amount
No Data for Table	

Equipment

Description	Requested Fund Amount
No Data for Table	

Supplies

Description	Requested Fund Amount
No Data for Table	

Construction

Description	Requested Fund Amount
No Data for Table	

Contracts

Description	Requested Fund Amount
No Data for Table	

Other Direct Costs

Description	Requested Fund Amount
No Data for Table	

Supporting Documentation

Supporting Documentation

Named Attachment	Required Description	File Name
Detailed map of the project area(s) (Projects/Studies)	8.5x11 landscape schematic of proposed acquisition/demolition/restoration site.	Detailed Map of Project
FIRMette of the project area(s) (Projects/Studies)	FIRM Panel; Project area is labeled and outlined in red.	Franklin_RD_CFPF_F
Historic flood damage data and/or images (Projects/Studies)	Photographs of flood impacts	Historic flood damage
A link to or a copy of the current floodplain ordinance	https://library.municode.com/va/roanoke/codes/code_of_ordinances?nodeId=CORO1979_CH36.2ZO_ART3RESPZODI_DIV5OVDI_S36.2-333FLOVDIF	Sec._36.2_333.____Flo
Maintenance and management plan for project	Description of maintenance activities for proposed project	Maintenance and Man
A link to or a copy of the current hazard mitigation plan	https://rvarc.org/wp-content/uploads/2023/12/RVAR_Hazard_Mitigation_Plan_2019.pdf	RVAR_Hazard_Mitigat
A link to or a copy of the current comprehensive plan	https://planroanoke.org/city-plan-2040/	City-Plan-2040-Adopte
Social vulnerability index score(s) for the project area	Map showing project area in its SVI Group. Project area outlined in black.	Franklin RD - CFPF-1

Named Attachment	Required Description	File Name
Authorization to request funding from the Fund from governing body or chief executive of the local government	Council authorization and ordinance to request funding	Authorization to reque
Signed pledge agreement from each contributing organization	Executed Appendix A	DCR CFPF 1 - Ore Br
Maintenance Plan	Redundant with "Maintenance and Management Plan"	Maintenance and Man
<i>Benefit-cost analysis must be submitted with project applications over \$2,000,000. in lieu of using the FEMA benefit-cost analysis in detail the cost benefits and value. The narrative must explicitly indicate the risk reduction benefits of a flood mitigation pr</i>		
Benefit Cost Analysis	Developed from FEMA BCA Toolkit v6.0	FEMA BCA - Ore Bran
Other Relevant Attachments	Includes (1) map of community scale benefits, (2) community input survey, (3) water quality calculations using VA Runoff Reduction Method	Other Relevant Attach

Letters of Support

Description	File Name	Type	Size	Upload Date
	No files attached.			

Resilience Plan

Resilience Plan

Description	File Name	Type	Size	Upload Date
https://www.roanokeva.gov/DocumentCenter/View/19436/2023-City-of-Roanoke-Flood-Resilience-Plan	2023 City of Roanoke Flood Resilience Plan_DCR.pdf	pdf	7 MB	10/11/2024 01:55 PM