

# 3771 - Loudoun County Stormwater Infrastructure - Map Modernization Work Plan

## Application Details

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### Funding Opportunity:

3292-Virginia Community Flood Preparedness Fund - Capacity Building/Planning Grants - CY25 Round 6

**Funding Opportunity Due Date:** Dec 1, 2025 11:59 PM

**Program Area:** Virginia Community Flood Preparedness Fund

**Status:** Under Review

**Stage:** Final Application

**Initial Submit Date:** Dec 1, 2025 4:25 PM

**Initially Submitted By:** Dominick Kohnke

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

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### Primary Contact Information

**Active User\*:** Yes

**Type:** External User

**Name\*:** Mr. Dominick Kohnke  
Salutation First Name Last Name

**Title:** Water Resources Engineer

**Email\*:** Dominick.Kohnke@aecom.com

**Address\*:** 13873 Park Center Road, Suite 390

Herndon Virginia 20171  
City State/Province Postal Code/Zip

**Phone\*:** 703-682-4900 Ext.

Phone

###-###-####

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

**Comments:**

## Organization Information

**Status\*:** Approved  
**Name\*:** AECOM  
**Organization Type\*:**  
**Tax ID\*:** 952661922  
**Unique Entity Identifier (UEI)\*:** EPUXNLX5EYC4  
**Organization Website:**  
**Address\*:** 3101 Wilson Blvd

Arlington Virginia 22201-4443  
City State/Province Postal Code/Zip

**Phone\*:** 703-307-8236 Ext.  
###-###-#####  
**Fax:** ###-###-#####  
**Benefactor:**  
**Vendor ID:**  
**Comments:**

## VCFPF Applicant Information

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### *Project Description*

**Name of Local Government\*:** Loudoun County  
Your locality's CID number can be found at the following link: [Community Status Book Report](#)

**NFIP/DCR Community** 510090

**Identification Number (CID)\*:**

If a state or federally recognized Indian tribe,

**Name of Tribe:**

**Authorized Individual\*:** Chris Stone  
First Name Last Name

**Mailing Address\*:** 801 Sycolin Road, S.E. Suite 300  
Address Line 1  
Address Line 2

Leesburg Virginia 20175  
City State Zip Code

**Telephone Number\*:** 571-233-6559

**Cell Phone Number\*:** 571-233-6559

**Email\*:** Chris.Stone@Loudoun.gov

Is the contact person different than the authorized individual?

**Contact Person\*:** No

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

**Project Description\*:**

Implementation of a major GIS-based database update for Loudoun's stormwater infrastructure asset inventory, including comprehensive field surveying and data integration.

**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\*:** No

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

**Census Block(s) Where Project will Occur\*:** VARIOUS: 1 thorough 48

**Is Project Located in an NFIP Participating Community?\*:** Yes

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

**Flood Zone(s) (if applicable):** VARIOUS: Zone A, AE, X

**Flood Insurance Rate Map Number(s) (if applicable):** VARIOUS: 510090 0210 D through 510090 0295 D

## Eligibility - Round 4

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### ***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

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\*:** Yes  
Yes - Eligible for consideration  
No - Not eligible for consideration

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 Capacity Building & Planning - Round 4

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### **Scoring**

**Eligible Capacity Building and Planning Activities (Select all that apply) – Maximum 100 points. To make multiple selections, Hold CTRL and click the desired items.**

#### **Capacity Building and Planning\*:**

Goal planning, implementation, and evaluation, Long-term maintenance strategy, Other proposals that will significantly improve protection from flooding on a statewide or regional basis, Resource assessments, planning, strategies, and development

**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\*:** Low Social Vulnerability

**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\*:** No

**Does this project provide "community scale" benefits?**

**Community Scale Benefits\*:** More than one census block

#### **Comments:**

This effort will affect the entirety of Loudoun County's jurisdiction.

## Scope of Work and Budget Narrative - Capacity Building and Planning - Round 4

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### **Scope of Work - General Information**

**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 Attachment\*:** 2025-12-01\_CFPF Grant Application\_FINAL.zip

**Comments:**

Please see Appendix B of the '2025-12-01\_CFPF Grant Application\_FINAL' document for a complete Scope of Work documentation.

**Budget Narrative**

**Budget Narrative Attachment\*:** 2025-12-01\_CFPF Grant Application\_FINAL.zip

**Comments:**

Please see Appendix C of the '2025-12-01\_CFPF Grant Application\_FINAL' document for a complete Scope of Work documentation.

## Scope of Work Supporting Information - Capacity Building and Planning

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**Scope of Work Supporting Information**

**Describe identified resource needs including financial, human, technical assistance, and training needs**

**Resource need identification\*:**

Financial, surveying firms, engineering, contractors, GPS-compatible handheld tablets, ordinary survey tools to access and measure stormwater infrastructure assets.

**Describe the plan for developing, increasing, or strengthening knowledge, skills and abilities of existing or new staff.**

This may include training of existing staff, hiring personnel, contracting consultants or advisors

**Development of Existing or New****Staff\*:**

County plans on hiring contractors and leverage the County's in-house GIS and management staff resources (see Figure B1 of the '2025-12-01\_CFPF Grant Application\_FINAL') to manage the progress of this effort.

**Where capacity is limited by funding, what strategies will be developed to increase resources in the local government?**

(This may include work with non-governmental organization, or applying for grants, loans, or other funding sources)

**Resource Development****Strategies\*:**

This effort is not limited by funding.

**Describe policy management and/or development plans****Policy management and/or development\*:**

Stormwater Infrastructure - Map Modernization (SIMM) Work Plan outlines the policies and procedures for this effort. See supporting documentation.

**Describe plans for stakeholder identification, outreach, and education strategies****Stakeholder identification, outreach, and education strategies\*:**

Asset ownership belongs to County and state stakeholders (VDOT). Loudoun County will engage VDOT on a regular basis to verify jurisdictional compliance.

No additional stakeholder engagement is anticipated as needed for this project.

# Budget

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## **Budget Summary**

### **Grant Matching Requirement\*:**

Planning and Capacity Building (non staffing) - Fund 75%/Match 25%

\*Match requirements for Planning and Capacity Building in low-income geographic areas will not require match for applications requesting less than \$3,000.

Is a match waiver being requested?

**Match Waiver Request**      No

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

\*:

<b>Total Project Amount (Request + Match)*:</b>	\$4,988,848.00	**This amount should equal the sum of your request and match figures
<b>REQUIRED Match Percentage Amount:</b>	\$1,247,212.00	

## BUDGET TOTALS

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

### **Match Percentage:**

25.00%

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

**Total Requested Fund Amount:**      \$3,741,363.00

**Total Match Amount:**      \$1,247,212.00

**TOTAL:**      \$4,988,575.00

### **Personnel**

<b>Description</b>	<b>Requested Fund Amount</b>	<b>Match Amount</b>	<b>Match Source</b>
	No Data for Table		

### **Fringe Benefits**

<b>Description</b>	<b>Requested Fund Amount</b>	<b>Match Amount</b>	<b>Match Source</b>
	No Data for Table		

### **Travel**

<b>Description</b>	<b>Requested Fund Amount</b>	<b>Match Amount</b>	<b>Match Source</b>
	No Data for Table		

### **Equipment**

<b>Description</b>	<b>Requested Fund Amount</b>	<b>Match Amount</b>	<b>Match Source</b>
No Data for Table			

### **Supplies**

<b>Description</b>	<b>Requested Fund Amount</b>	<b>Match Amount</b>	<b>Match Source</b>
No Data for Table			

### **Construction**

<b>Description</b>	<b>Requested Fund Amount</b>	<b>Match Amount</b>	<b>Match Source</b>
No Data for Table			

### **Contracts**

<b>Description</b>	<b>Requested Fund Amount</b>	<b>Match Amount</b>	<b>Match Source</b>
Contracts	\$3,741,363.00	\$1,247,212.00	
	<b>\$3,741,363.00</b>	<b>\$1,247,212.00</b>	

### **Pre-Award and Startup Costs**

<b>Description</b>	<b>Requested Fund Amount</b>	<b>Match Amount</b>	<b>Match Source</b>
No Data for Table			

### **Other Direct Costs**

<b>Description</b>	<b>Requested Fund Amount</b>	<b>Match Amount</b>	<b>Match Source</b>
No Data for Table			

## **Supporting Documentation - General**

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### **Supporting Documentation**

<b>Named</b>	<b>Attachment</b>	<b>Required Description</b>

Detailed map of  
the project  
area(s)  
(Projects/Studies)

FIRMette of the  
project area(s)  
(Projects/Studies)

Named	Required Description
Attachment	
Historic flood damage data and/or images (Projects/Studies)	
A link to or a copy of the current floodplain ordinance	<a href="https://online.encodeplus.com/regs/loudouncounty-va-crosswalk/doc-viewer.aspx?secid=52#s">https://online.encodeplus.com/regs/loudouncounty-va-crosswalk/doc-viewer.aspx?secid=52#s</a>
Maintenance and management plan for project	Implementation of a major GIS-based database update for Loudoun's stormwater infrastructure
A link to or a copy of the current hazard mitigation plan	<a href="https://ehq-production-us-california.s3.us-west-1.amazonaws.com/6a38c87d10e5785f91f69973ff52e2333036172f/original/1662735780/9c1fc_Natural_Hazards_Only.pdf?X-Amz-Algorithm=AWS4-HMAC-SHA256&amp;X-Amz-Credential=Amz-AccessKeyId=AKIAJ54ZL7ZP534J45JQ&amp;X-Amz-Date=20251201T204907Z&amp;X-Amz-Expires=300&amp;X-Amz-SignedHeaders=host&amp;X-Amz-Signature=1f825af8f663a5c8138b957642d4fbf1b4aaecd4c7da3753307705dc0a322a09">https://ehq-production-us-california.s3.us-west-1.amazonaws.com/6a38c87d10e5785f91f69973ff52e2333036172f/original/1662735780/9c1fc_Natural_Hazards_Only.pdf?X-Amz-Algorithm=AWS4-HMAC-SHA256&amp;X-Amz-Credential=Amz-AccessKeyId=AKIAJ54ZL7ZP534J45JQ&amp;X-Amz-Date=20251201T204907Z&amp;X-Amz-Expires=300&amp;X-Amz-SignedHeaders=host&amp;X-Amz-Signature=1f825af8f663a5c8138b957642d4fbf1b4aaecd4c7da3753307705dc0a322a09</a>
A link to or a copy of the current comprehensive plan	<a href="https://www.loudoun.gov/DocumentCenter/View/216116/Loudoun-County-Local-Resilience-Plan">https://www.loudoun.gov/DocumentCenter/View/216116/Loudoun-County-Local-Resilience-Plan</a>
Social vulnerability index score(s) for the project area	<a href="https://www.arcgis.com/apps/instant/sidebar/index.html?appid=e829a2bcb6214590bc363017">https://www.arcgis.com/apps/instant/sidebar/index.html?appid=e829a2bcb6214590bc363017</a>
Authorization to request funding from the Fund from governing body or chief executive of the local government	Work flow authorization approval from Loudoun County.
Signed pledge agreement from each contributing organization	Letter of authorization.
Maintenance Plan	
<i>Benefit-cost analysis must be submitted with project applications over \$2,000,000. in lieu of using the FEMA benefit-cost analysis, the risk reduction benefits of a flood mitigation project and compares those benefits to its cost-effectiveness.</i>	
Benefit Cost Analysis	
Other Relevant Attachments	

### **Letters of Support**

<b>Description</b>	<b>File Name</b>	<b>Type</b>	<b>Size</b>	<b>Upload Date</b>
Cover letter/letter of need	2025-12-01_Loudoun - Cover Letter of Need_SIGNED.pdf	pdf	145 KB	12/01/2025 04:24 PM