

Stormwater Capital Improvement Program



The City of Alexandria's Stormwater Capital Improvement Program Schedule shows planned improvements to the City's storm sewer system. The City's Departments of Project Implementation and Transportation and Environmental Services develop this schedule using information from hired experts, best practices for project management and lessons learned from previous projects. The schedule shows when each project is complete. Project schedules may be impacted by changes in the funding plan, availability of contractors, conflicts with utilities, grant terms or unexpected problems. This version of the schedule shows progress through the report date.

Report Definitions:

Construction

- Project Webpage URL link to the project's public webpage where you can find the most up to date information on the project's progress.
 Project Description Description of the purpose of the project and/or problem it intends to address.
- Current Phase Designates which of the three phases the project is currently in. Each project progresses through three phases: planning, design, and construction.
 Total Planned Budget The total of prior and current fiscal year authorized funds plus future planned funds through year 10 in the current approved CIP Budget.
 Funding Sources Where the project funding is coming from.
- - SWU City of Alexandria Stormwater Utility Fee
 ARPA Federal Government American Rescue Plan Act
 - · CFPF Virginia State Community Flood Preparedness Fund
 - HUD Federal Housing & Urban Development Community Project Fund
 SSF Sanitary Sewer Fund
- Schedule Shown in calendar year, the schedules displays the current timeline for each phase of the project.

4300 Block of Loyola Avenue Storm Sewer Upgrade

Project Webpage		Project Description						
https://www.alexandriava.gov	/FloodAction	This project will replace the existing open storm sewer at 4300 block of Loyola Avenue with an enclosed storm sewer						
		pipe.						
Project Information								
Current Phase:	Design							
Total Planned Budget:	\$836,500.00							
Funding Sources:	\$636,500.00 SWU							
Funding Sources.	500							
Schedule - Calendar Yea	ar (CY)							
Schedule Phase	2022 2023	2024 2025 2026 2027						
Planning	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1	I Q2 Q3 Q4 Q1 Q2 Q3						
Design								
Construction								
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	Bel	Ilefonte Ave Storm Drain Improvements						
Dreiset Webnere		Desired Description						
Project Webpage		Project Description						
https://www.alexandriava.gov spot-improvement-projects	stormwater-management/stormwater-	The project improves the storm sewer system in E Bellefonte Ave & E Howell Ave to mitigate neighborhood flooding from intense rain events.						
Project Information								
Current Phase:	Planning							
Total Planned Budget:	\$1,564,869.29							
Funding Sources:	SWU							
Schedule - Calendar Yea	ar (CV)							
	2022 2023	2024 2025 2026 2027						
Schedule Phase Planning	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1	I Q2 Q3 Q4 Q1 Q2 Q3						
Design								
Construction								
	1							
	Clifford Ave, Fulto	n St. & Manning St. (CFM) Storm Sewer Improvements						
Project Webpage		Project Description						
https://www.alexandriava.gov	/FloodAction	The Clifford Avenue, Fulton Street and Manning Street (CFM) Storm Sewer Improvements Project will provide flooding						
		mitigation to townhouses along the 3000 block of Fulton Street and Manning Street. The alley bound between the two streets will be re-built to channelize surface flow and improve drainage. Inlets and underground storage will be installed						
Project Information		to capture and attenuate stormwater runoff. Utility impacts will be identified and resolved during the design phase.						
Current Phase:	Design							
Total Planned Budget:	\$420,000.00							
Funding Sources:	SWU, HUD (Beyer)							
Schedule - Calendar Yea								
Schedule Phase	2023 2024 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1	2025 2026 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3						
Planning								

Edison St. Storm Sewer Upgrades

Project Webpage

Construction

https://www.alexandriava.gov/stormwater-management/edison-street-and-dale-street-early-phase

Project Description

 Project Information

 Current Phase:
 Design

 Total Planned Budget:
 \$979,000.00

 Funding Sources:
 SWU, CFPF

Edison St. Storm Sewer Upgrades Project proposes to upgrade the storm sewer system capacity along the 3800 block of Edison Street to the outfall in Four Mile Run Park. Additional inlets are proposed along Edison Street to increase storm water capture. These storm sewer improvements are a portion of the future Large Capacity Project – Edison and Dale that have been accelerated with Virginia Community Flood Preparedness Fund (CFPF) prior to the funding becoming available in FY 2026.

Schedule - Calendar Year (CY) Schedule Phase 2021 2022 2023 2024 2025 Planning Image: Construction Image: Construction

Poject Information Project Micromation Current Phase Filanding Total Planned Budget: Si.528.00.00 Funding Sources: SWU		Four Mile Rur	and Hoofs Run Inlet Installation and Enhancement								
Poject Information Project Micromation Current Phase Filanding Total Planned Budget: Si.528.00.00 Funding Sources: SWU	Project Webpage		Project Description								
and the Virginia Community Flood Preparedness Fund (CFPF) grant. and the Virginia Community Flood Preparedness Fund (CFPF) grant Flood Preparedness Fund (CFPF) grant. and the Virginia Community Flood Prepared Preparedness Fund (CFPF) flood Prepared Preparedness	https://www.alexandriava.gov/l	FloodAction	project will provide recommendations on installing or replacing inlets to mitigate local flash floods and to enhance the overall conveyance efficiency of the storm sewer system. The project receives funding from the City's Stormwater Utilit								
Current Phase: Design Project Momanda Project Momanda Project Momanda Project Momanda Project Momanda Project Momanda Schedule - Calendar Year (CY) Project Momanda Project Momanda Project Momanda Current Phase: Design Current Phase: Design Contract Phase Ort 922 0 202 0 202 0 202 0 202 0 200 0 0 0	Project Information		overall conveyance efficiency of the storm sewer system. The project receives funding from the City's Stormwater Utility and the Virginia Community Flood Preparedness Fund (CEPE) grant								
Funding Sources: SWU Schedule - Calendar Your (CY) Submit of the second of	Current Phase:	Planning									
Schedule - Calendar Year (CY) 2024	Total Planned Budget:	\$1,528,000.00									
Schedule Phase 0 2023 0 0	Funding Sources:	SWU									
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Schedule Phase 01 02 03 04 01 02	Schedule - Calendar Yea	r (CY)									
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Schedule - Calendar Year (CY) Schedule Phase 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 Schedule Phase Q1 Q2 Q3 Q4 Q1 Q2 Q3	Total Planned Budget:	\$47,256,858.00									
Schedule Phase 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 In Q2 Q3 Q4 Q1 Q2 Q3 Q4	Funding Sources:	SWU, CPFP									
Schedule Phase Q1 Q2 Q3 Q4 Q1 Q2 Q3 <td>Schedule - Calendar Yea</td> <td>r (CY)</td> <td></td>	Schedule - Calendar Yea	r (CY)									
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Design			a az as az as az								
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Large Capacity - Hooffs Run Culvert Bypass

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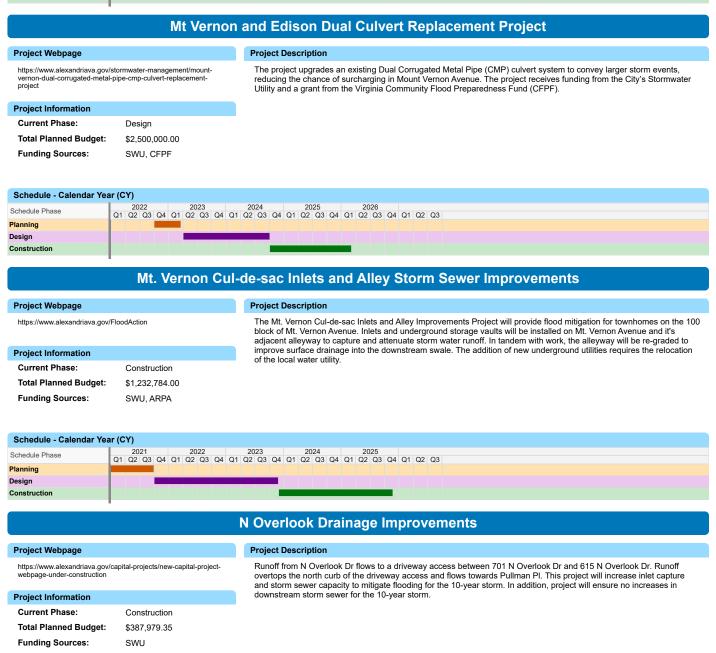
https://www.alexandriava.gov/stormwater-management/hooffs-runculvert-bypass-project Project Description

Uthooffs-run-Uthooffs-run-Uthooffs-run-This project involves stormwater system improvements to reduce flooding along the alignment of the existing Hooffs Run culvert. The improvements may include a combination of storage, large conveyance storm sewers, and green infrastructure to reduce flood risk. The design of these systems will consider the impact of climate change.

Project Information	
Current Phase:	Design
Total Planned Budget:	\$59,315,200.00
Funding Sources:	SWU

Schedule - Calendar Year (CY)

Schedule Phase	2021	2022	2023 2024	2025	2026 2027	2028	2029	
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Planning								
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Schedule - Calendar Year (CY) Schedule Phase 2020 2021 2022 2023 2024 Planning Design Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction

Nethergate Storm Sewer Improvements

Project Webpage

https://www.alexandriava.gov/capital-projects/new-capital-project-webpage-under-construction

Project Description

Project Information								
Current Phase:	Planning							
Total Planned Budget:	\$1,431,583.85							
Funding Sources:	SSF							

The purpose of this project is to mitigate flooding in the Nethergate Townhome community based on reports from residents after intense rainfall events. The project area is bound by Bashford Ln to the north, Second St. to the south, Portner Rd to the west and W Abingdon Dr to the east. As part of this project, the design team will analyze hydraulic capacity of the existing storm sewer, and develop alternatives to mitigate flooding.

Schedule - Calendar Year (CY)

Schedule Phase	2022 2023 2024 2025 2026 2027 2028 2029
Schedule Phase	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q1
Planning	
Design	
Design	
Construction	

	Oakland Te	errace Timber Branch Channel Wall Replacement
Project Webpage		Project Description
https://www.alexandriava.gov terrace-timber-branch-channe	/capital-projects/project/oakland- l-wall-reconstruction	This project replaces approximately 205 linear feet of an existing concrete retaining wall with a vegetative reinforced revetment and bioengineered soil.
Project Information		
Current Phase:	Construction	
Total Planned Budget:	\$2,500,000.00	
Funding Sources:	SWU	
Schedule - Calendar Yea	ar (CY)	
Schedule Phase	2020 2021 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q	2022 2023 2024 2025 2026 2027 11 Q2 Q3 Q4 Q1 Q2
lanning		
Design Construction		
	Ditt and C	ibbon Combined Sewer Surcharging Mitigation
	Pitt and G	inddon combined Sewer Surcharging Miligation
Project Webpage		Project Description
https://www.alexandriava.gov	/Sewers	Mitigate private property overland flooding occurring during high intensity rainfall events that cause combined sewer manhole surcharging near the intersection of South Pitt and Gibbon Streets. Project solutions developed and implemented shall meet the City's design standards for a 10-year storm.
Project Information		
Current Phase:	Planning	
Total Planned Budget:	\$28,483,347.00	
Funding Sources:	SSF	
Schedule - Calendar Yea	ar (CY)	
Schedule Phase	2022 2023 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q	2024 2025 2026 2027 2028 2029 11 Q2 Q3 Q4 Q1 Q2
Planning		
lesign		
construction		
	S Joi	rdan St. Stormwater Improvement Phase II
Project Webpage		Project Description
Project Information		
Schedule - Calendar Yea	ar (CY)	
Schedule Phase	2023 2024 01 02 03 04 01 02 03 04 0	2025 2026 2027 11 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3
lanning		
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Valley Drive Storm Drain Improvements						
Project Webpage	Project Description					
Project Information						

Schedule - Calendar Yea	ar (C	CY)																						
Schedule Phase		2	2022			2023			2024			2025			202	6			2027					
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Planning					_		-																	
Design																								
Construction																			1					

W. Reed Ave & Dale St Storm Sewer Improvements

Project Webpage	Project Description
Project Information	

Forecasted Projects

The table below lists upcoming projects and the start date for associated planning activities.

Project Name	Project Description	Start Quarter/Year
E. Alexandria & E. Luray Ave Curb Inlets	This project will upsize existing inlets to increase runoff capture and reduce spread at the intersection of E. Alexandria and E. Luray Avenue. This potential project was identified during Neighborhood Investigations. Feasibility and solution are dependent on the Hooffs Run Culvert Bypass.	2025 Q3
E. Mason Ave & E. Duncan Ave Stormdrain Connection	This project will install a new pipe run connecting the Duncan Avenue and East Mason Avenue storm sewer system to better service both neighborhoods. This potential project was identified during Neighborhood Investigations. Feasibility and solutions are dependent on the Hooffs Run Culvert Bypass.	2025 Q3
E. Mason Ave Curb Inlets	This project will upsize existing inlets to increase runoff capture if underlying pipes have adequate capacity. However, the feasibility of this potential project identified during Neighborhood Investigations is dependent on the Hooffs Run Culvert Bypass.	2025 Q3
E. Mason Ave Stormdrain Extension	This project will add additional storm sewer and inlet capture to mitigate flooding north of E. Mason Ave. This potential project was identified during Neighborhood Investigations. Feasibility and solutions are dependent on the Hooffs Run Culvert Bypass.	2025 Q3
Skyhill Rd. Stormdrain Extension	This project will install a new pipe run and inlets along Skyhill Rd. to improve the neighborhood's drainage. This potential project was identified during Neighborhood Investigations.	2025 Q3
Walleston Court Stream Stabilization	Stabilize eroding banks of approximately 900-feet of unnamed tributary to Taylor Run along Francis Hammond Parkway in the Walleston Court neighborhood. Work will be done within the existing City easement.	2025 Q3