

STRAWBERRY RUN STREAM RESTORATION

DOCUMENT SUBSECTION: Stormwater Management
 MANAGING DEPARTMENT: Department of Transportation & Environmental Services

PROJECT LOCATION: Ft. Williams Parkway
 REPORTING AREA: Seminary Hill

PROJECT CATEGORY: 3
 ESTIMATE USEFUL LIFE: 21-25 years

Strawberry Run Stream Restoration													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Prior Appropriations	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total FY 2025 - FY 2034
Expenditure Budget	972,728	972,728	-	-	-	-	-	-	-	-	-	-	-
Financing Plan													
Cash Capital	50,000	50,000	-	-	-	-	-	-	-	-	-	-	-
GO Bonds (Stormwater)	625,000	625,000	-	-	-	-	-	-	-	-	-	-	-
Stormwater Utility Fund	297,728	297,728	-	-	-	-	-	-	-	-	-	-	-
Financing Plan Total	972,728	972,728	-	-	-	-	-	-	-	-	-	-	-
Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project will entail replacing the existing fence that is in a state of disrepair for safety purposes at the north end of Strawberry Run by the culvert that comes from under Fort Williams Parkway to the west where the stream flows. A new portion of fence will be installed at the southern end of this segment of Strawberry Run at the culvert that goes under Duke Street.

Staff will continue to monitor erosion along this segment of Strawberry Run. T&ES staff is working with Recreation, Parks, and Cultural Activities (RPCA) and have concluded that this area is a good candidate for fencing and/or hedges for safety and let the community know as we move forward on that work. The project budget authority that was previously focused on a stream restoration project was reduced via Special Allocation Ordinance approved by Council in spring 2023. The updated project budget will allow for the potential safety fence and hedge work to move forward without the need for additional funding. Any remaining funding will be returned to the stormwater fund for use in other stormwater projects.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

MS4 General Permit, Chesapeake Bay TMDL Action Plan, Strategic Plan, Environmental Action Plan 2040, Open Space Plan

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

STREAM & CHANNEL MAINTENANCE

DOCUMENT SUBSECTION: Stormwater Management
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide
 REPORTING AREA: Citywide

PROJECT CATEGORY: 1
 ESTIMATE USEFUL LIFE: Varies

Stream & Channel Maintenance													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Prior Appropriations	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total FY 2025 - FY 2034
Expenditure Budget	19,309,294	8,614,454	934,700	962,700	991,600	1,021,400	1,052,000	1,083,600	1,116,100	1,149,600	1,178,340	1,204,800	10,694,840
Financing Plan													
Cash Capital	3,802,125	3,802,125	-	-	-	-	-	-	-	-	-	-	-
GO Bonds	2,017,602	2,017,602	-	-	-	-	-	-	-	-	-	-	-
GO Bonds (Stormwater)	2,389,575	-	-	-	-	-	-	-	1,116,100	-	168,575	1,104,900	2,389,575
Private Capital Contributions	230,000	230,000	-	-	-	-	-	-	-	-	-	-	-
Stormwater Utility Fund	10,869,992	2,564,727	934,700	962,700	991,600	1,021,400	1,052,000	1,083,600	-	1,149,600	1,009,765	99,900	8,305,265
Financing Plan Total	19,309,294	8,614,454	934,700	962,700	991,600	1,021,400	1,052,000	1,083,600	1,116,100	1,149,600	1,178,340	1,204,800	10,694,840
Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-

CHANGES FROM PRIOR YEAR CIP

Funding added for FY 2034.

PROJECT DESCRIPTION & JUSTIFICATION

This capital maintenance project preserves the capacity for City streams and channels to carry a 100-year floodwater, performs repairs to erosion damage, stream corridor degradation, grade control structures, storm sewer discharge points, and provides for stream stabilization/restoration. Projects may minimize blockages at bridges by removing and thinning excess vegetation and restoring conveyance capacity by removing sediment that accumulates more quickly due to more frequent, intense storm events. Efforts typically include sediment removal, vegetation maintenance, and in Holmes Run and Cameron Run watersheds, often include efforts in smaller tributaries to these streams.

The increasing frequency of climate-change induced intense storm events is requiring increased funding to ensure the conveyance capacity of these waterways as climate resiliency and adaption measures consistent with the City's Climate Emergency Declaration. In response to recommendations through the Flood Action Alexandria initiative, this project included a funding increase of over \$0.4 million annually for a total of \$10.1M over the 10-year period to perform more aggressive inspection and maintenance of the City's larger flood channels due to the impact from more frequent, intense storm events.

Sediment removal and vegetation maintenance was conducted on Cameron Run in FY 2018 and the planning phase for sediment removal has been initiated in FY 2024. Vegetation maintenance for Holmes Run occurred in FY 2023. Staff also prioritizes projects on our smaller streams, including Hooffs Run, Taylor Run, Timber Branch, Backlick, and tributaries to larger streams to ensure there are no blockages at road and railroad crossings and that conveyance capacity is maintained. A condition inspection of the Lake Cook Eisenhower Culverts – the discharge culverts from Lake Cook under Eisenhower Avenue to Cameron Run – is planned to take place in FY 2025, along with a schedule for design and maintenance depending on the condition inspection.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eco-City Charter; Water Quality Management Supplement to City Master Plan; MS4 General Permit and Program Plan; Chesapeake Bay TMDL Action Plan; Strategic Plan; Flood Action Alexandria

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

TAYLOR RUN STREAM RESTORATION

DOCUMENT SUBSECTION: Stormwater Management
 MANAGING DEPARTMENT: Department of Transportation & Environmental Services

PROJECT LOCATION: Chinguapin and Forest Parks
 REPORTING AREA: Taylor Run

PROJECT CATEGORY: 3
 ESTIMATE USEFUL LIFE: 21-25 Years

Taylor Run Stream Restoration													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Prior Appropriations	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total FY 2025 - FY 2034
Expenditure Budget	2,508,363	2,508,363	-	-	-	-	-	-	-	-	-	-	-
Financing Plan													
Cash Capital	100,000	100,000	-	-	-	-	-	-	-	-	-	-	-
GO Bonds (Stormwater)	1,867,850	1,867,850	-	-	-	-	-	-	-	-	-	-	-
Stormwater Utility Fund	540,513	540,513	-	-	-	-	-	-	-	-	-	-	-
Financing Plan Total	2,508,363	2,508,363	-	-	-	-	-	-	-	-	-	-	-
Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The project will stabilize the at-risk sanitary sewer infrastructure using a minimal disturbance approach for the sewer crossings, manholes, and associated at risk infrastructure.

Staff will work with the broader community during the design process as is typical for City projects, following successful procurement of a design firm. The current project budget remaining is about \$1.5 million with a rough order of magnitude cost estimate of \$2 million developed during discussions with the public. Given the focus of the work in on stabilizing the at-risk sanitary sewer infrastructure, the project costs may be supplemented with Sanitary Sewer funds. While this funding should be sufficient, depending upon the extent of the work, staff may need to make a request for additional funding in the FY 2026 CIP budget to complete the work. Cost estimates and work extent will be refined during the design process.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

MS4 General Permit and Program Plan, Chesapeake Bay TMDL Action Plan, Strategic Plan, Environmental Action Plan 2040, Open Space Plan

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.