

STORMWATER FUND

FUNCTION: Stormwater Fund
DEPARTMENT:
DIVISION OR ACTIVITY:

Budget Comments:

The FY 2020 Adopted Budget increases the City's real estate tax rate dedicated for the Stormwater Fund from 2.75¢ to 3.00¢, generating approximately \$1,859,895 in revenues in FY 2020. These funds will be used to support of the City's plan to address aging infrastructure and regulations from the federal and state governments regarding stormwater management. A series of projects are scheduled to be funded by these monies and are noted in the accompanying pages of this section.

An increase of \$162,136 (9.2%) from the FY 2019 Adopted Budget is necessary to fund the FY 2020 Adopted Budget. Notable changes are as follows:

- **Capital Projects increase of \$162,136 or 9.2%**
 - Capital Projects affecting the Stormwater Fund have increased due to the .25¢ increase in the Stormwater tax rate.

FY 2020 Adopted Budget - City of Fairfax, Virginia

**City of Fairfax, Virginia
FY 2020 Stormwater Fund
Budget Summary**

	FY 2018 <u>Actual</u>	FY 2019 <u>Budget</u>	FY 2019 <u>Estimate</u>	FY 2020 <u>Adopted</u>	Variance to <u>Budget \$</u>	Variance to <u>Budget %</u>
Fund Balance - Beginning	\$ 717,688	\$ 707,133	\$ 1,147,711	\$ 1,144,019		
Revenues						
Transfer From General Fund	1,595,106	1,664,312	1,754,374	1,859,895	195,583	11.75%
State Funding	159,664	-	-	-	-	0.00%
VSMP Fees	(2,016)	-	-	-	-	0.00%
Daniels Run	9,520	-	-	-	-	0.00%
Grant Revenue	-	-	-	-	-	0.00%
Transfer from Wastewater Fund	-	-	-	-	-	0.00%
Total Revenues	\$ 1,762,274	\$ 1,664,312	\$ 1,754,374	\$ 1,859,895	\$ 195,583	11.75%
Expenses						
Capital Projects	1,332,251	1,665,000	1,665,000	1,824,600	159,600	9.59%
Salaries - Full Time	-	65,077	65,077	65,177	100	0.15%
Fringe Benefits	-	27,989	27,989	30,425	2,436	8.70%
Total Expenses	\$ 1,332,251	\$ 1,758,066	\$ 1,758,066	\$ 1,920,202	\$ 162,136	9.22%
Committed Funds	-	613,379	-	1,083,712		
Fund Balance - Ending	\$ 1,147,711	\$ -	\$ 1,144,019	\$ -		

Personnel Classification	<u>Grade</u>	FY 2018 <u>Actual</u>	FY 2019 <u>Budget</u>	FY 2019 <u>Estimate</u>	FY 2020 <u>Adopted</u>
Stormwater Program Specialist	117	0.7	0.7	0.7	0.7

PROJECT INFORMATION

Name: Driveway Pipe Replacement Project **Project #** 340-644413-580330

2012 Comprehensive Plan Reference: PFS-2.2 (p. 84); CA-1.5 (p. 103)

Comprehensive Plan Element

<input checked="" type="checkbox"/>	Public Service and Facilities	<input checked="" type="checkbox"/>	Environment
	Economy		Housing
	Community Appearance		Transportation
	Land Use		Other City Plan/Policy

Statement of Need:
 Residential galvanized driveway pipe in City right-of-ways has deteriorated. This project would allow new pipe installation and right-of-way rehabilitation for 15 to 20 property locations per year. There are 324 driveway pipes throughout the city.

FY 2020 - Orchard Street and Wilson Street

Picture:



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Infrastructure Maint/Repair/Upgrade	50,000	50,000	60,000	65,000	70,000	75,000	320,000
Total Costs	\$ 50,000	\$ 50,000	\$ 60,000	\$ 65,000	\$ 70,000	\$ 75,000	\$ 320,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	50,000	50,000	60,000	65,000	70,000	75,000	320,000
Total Funding	\$ 50,000	\$ 50,000	\$ 60,000	\$ 65,000	\$ 70,000	\$ 75,000	\$ 320,000

Estimated Project Timeline		New Project	Responsible Department(s):	
Project Origination Date			Cable TV	Police
Project Design Start Date			CD&P	PW Admin
Construction Start Date			City Manager	PW Fleet
Project Completion Date	Ongoing		Finance	PW Operations
			Fire	PW Signs/Signal
			Historic	PW Stormwater
			Human Svc	PW Streets
			IT	PW Transport
			Parks & Rec	PW Wastewater
			Personnel	Schools
Financial Impacts				
Annual Revenue Generated:	\$ -			
Annual Cost Savings:	\$ -			
Annual Increase in Operating Costs:	\$ -			
Projected Future Savings:	\$ -			

PROJECT INFORMATION

Name: Replacement of Failing Galvanized Storm Drainage Systems **Project #** 340-644411-580330

2012 Comprehensive Plan Reference: PFS-2.2 (p. 84)

Comprehensive Plan Element

✓	Public Service and Facilities		✓	Environment
	Economy			Housing
	Community Appearance			Transportation
	Land Use			Other City Plan/Policy

Statement of Need:

This project provides for the replacement of the City's galvanized storm drain systems located within the city's right-of-ways and citizen's properties. Failed storm sewer mains create sinkholes and hazards. The failing systems would be replaced with HDPE pipe and new structures.

FY20 - West bound Fairfax Boulevard at Draper

Picture:



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Infrastructure Maint/Repair/Upgrade	110,000	110,000	120,000	125,000	130,000	135,000	620,000
Total Costs	\$ 110,000	\$ 110,000	\$ 120,000	\$ 125,000	\$ 130,000	\$ 135,000	\$ 620,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	110,000	110,000	120,000	125,000	130,000	135,000	620,000
Total Funding	\$ 110,000	\$ 110,000	\$ 120,000	\$ 125,000	\$ 130,000	\$ 135,000	\$ 620,000

Estimated Project Timeline		New Project	Responsible Department(s):			
Project Origination Date			Cable TV		Police	
Project Design Start Date		CD&P		PW Admin		
Construction Start Date		City Manager		PW Fleet		
Project Completion Date	Ongoing	Finance		PW Operations		
		Fire		PW Signs/Signal		
		Historic		PW Stormwater		
		Human Svc		PW Streets	✓	
		IT		PW Transport		
		Parks & Rec		PW Wastewater		
		Personnel		Schools		

Financial Impacts	
Annual Revenue Generated:	\$ -
Annual Cost Savings:	\$ -
Annual Increase in Operating Costs:	\$ -
Projected Future Savings:	\$ -

PROJECT INFORMATION

Name: Storm Drainage Maintenance **Project #** 340-644409-580330

2012 Comprehensive Plan Reference: PFS-2.2 (p. 84); CA-1.5 (p. 103)

Comprehensive Plan Element

✓	Public Service and Facilities		✓	Environment
	Economy			Housing
	Community Appearance			Transportation
	Land Use			Other City Plan/Policy

Statement of Need:
 The City maintains 1,800 structures and 300,000 linear feet of storm pipe. This project provides for contract maintenance and repair of the City's storm drainage system to ensure these facilities function properly. Maintenance consists of flushing storm pipes, cleaning out and re-purging drainage structures, repairing the tops of the drainage structures, blockage removal of trees and debris, and reconstruction of concrete and asphalt ditch lines.



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Infrastructure Maint/Repair/Upgrade	120,000	120,000	150,000	150,000	150,000	150,000	720,000
Total Costs	\$ 120,000	\$ 120,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 720,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	120,000	120,000	150,000	150,000	150,000	150,000	720,000
Total Funding	\$ 120,000	\$ 120,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 720,000

Estimated Project Timeline	New Project	Responsible Department(s):	
Project Origination Date		Cable TV	Police
Project Design Start Date		CD&P	PW Admin
Construction Start Date		City Manager	PW Fleet
Project Completion Date	Ongoing	Finance	PW Operations
		Fire	PW Signs/Signal
		Historic	PW Stormwater
		Human Svc	PW Streets
		IT	PW Transport
		Parks & Rec	PW Wastewater
		Personnel	Schools
Financial Impacts			
Annual Revenue Generated:	\$ -		
Annual Cost Savings:	\$ -		
Annual Increase in Operating Costs:	\$ -		
Projected Future Savings:	\$ -		

PROJECT INFORMATION

Name: Storm Drainage Outfall Maintenance & Repair **Project #** 340-644412-580330

2012 Comprehensive Plan Reference: PFS-2.2 (p. 84)

Comprehensive Plan Element

✓	Public Service and Facilities		✓	Environment
	Economy			Housing
	Community Appearance			Transportation
	Land Use			Other City Plan/Policy

Statement of Need:
 This project provides for reconstruction of the storm drainage outfalls to ensure these facilities drain properly. Construction typically consists of outfall rebuilding, creek/slope stabilization, blockage removal of trees and debris, and reconstruction of concrete ditch lines. There are 149 outfalls in the City.

The object for the project is to rebuild 100 percent of the inventory over a 30 year period.

FY 2020 - Country Club Hills; Approximately 4 outfalls.



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Infrastructure Maint/Repair/Upgrade	100,000	100,000	110,000	115,000	120,000	125,000	570,000
Total Costs	\$ 100,000	\$ 100,000	\$ 110,000	\$ 115,000	\$ 120,000	\$ 125,000	\$ 570,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	100,000	100,000	110,000	115,000	120,000	125,000	570,000
Total Funding	\$ 100,000	\$ 100,000	\$ 110,000	\$ 115,000	\$ 120,000	\$ 125,000	\$ 570,000

Estimated Project Timeline	New Project	Responsible Department(s):
Project Origination Date		Cable TV
Project Design Start Date		CD&P
Construction Start Date		City Manager
Project Completion Date	Ongoing	Finance
		Fire
		Historic
		Human Svc
		IT
		Parks & Rec
		Personnel
		Police
		PW Admin
		PW Fleet
		PW Operations
		PW Signs/Signal
		PW Stormwater
		PW Streets
		PW Transport
		PW Wastewater
		Schools

Financial Impacts	
Annual Revenue Generated:	\$ -
Annual Cost Savings:	\$ -
Annual Increase in Operating Costs:	\$ -
Projected Future Savings:	\$ -

PROJECT INFORMATION

Name: Storm Drainage Repair for Paving Schedule **Project #** 340-644408-580330

2012 Comprehensive Plan Reference: PFS-2.2 (p. 84); CA-1.5 (p. 103)

Comprehensive Plan Element

✓	Public Service and Facilities		✓	Environment
	Economy			Housing
✓	Community Appearance			Transportation
	Land Use			Other City Plan/Policy

Statement of Need:
 This project is to address all storm drainage infrastructure issues prior to road overlay paving construction. Work would include storm pipe replacement and structure reconstruction.

- Storm pipe replacement
- Storm pipe lining
- Throat reconstruction
- Storm top reconstruction
- Manhole rehab

As paving quantities increase, additional funds are needed to address storm drainage infrastructure.



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Infrastructure Maint/Repair/Upgrade	100,000	100,000	110,000	115,000	120,000	125,000	570,000
Total Costs	\$ 100,000	\$ 100,000	\$ 110,000	\$ 115,000	\$ 120,000	\$ 125,000	\$ 570,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	100,000	100,000	110,000	115,000	120,000	125,000	570,000
Total Funding	\$ 100,000	\$ 100,000	\$ 110,000	\$ 115,000	\$ 120,000	\$ 125,000	\$ 570,000

Estimated Project Timeline	New Project	Responsible Department(s):
Project Origination Date		Cable TV
Project Design Start Date		CD&P
Construction Start Date		City Manager
Project Completion Date	Ongoing	Finance
		Fire
		Historic
		Human Svc
		IT
		Parks & Rec
		Personnel
		Police
		PW Admin
		PW Fleet
		PW Operations
		PW Signs/Signal
		PW Stormwater
		PW Streets
		PW Transport
		PW Wastewater
		Schools

Financial Impacts	
Annual Revenue Generated:	\$ -
Annual Cost Savings:	\$ -
Annual Increase in Operating Costs:	\$ -
Projected Future Savings:	\$ -

PROJECT INFORMATION

Name: Storm Pipe Lining Rehabilitation **Project #** 340-644410-580330

2012 Comprehensive Plan Reference: ENV-2.1 (p. 34); PFS-2.2 (p. 84)

Comprehensive Plan Element

✓	Public Service and Facilities		✓	Environment
	Economy			Housing
	Community Appearance			Transportation
	Land Use			Other City Plan/Policy

Statement of Need:
 This project is necessary to extend the life of the storm pipe lines. As concrete storm pipe linings age and deteriorate, sections can collapse and lose capacity. To prevent this, a plastic liner is installed on the inside wall of the pipe.

Project includes mobilization, pre TV inspection, heavy cleaning, post TV inspection, and linear installation.

FY 2020:
 East bound Fairfax Boulevard at Harley Dealership

Picture:



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Infrastructure Maint/Repair/Upgrade	110,000	110,000	120,000	125,000	130,000	135,000	620,000
Total Costs	\$ 110,000	\$ 110,000	\$ 120,000	\$ 125,000	\$ 130,000	\$ 135,000	\$ 620,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	110,000	110,000	120,000	125,000	130,000	135,000	620,000
Total Funding	\$ 110,000	\$ 110,000	\$ 120,000	\$ 125,000	\$ 130,000	\$ 135,000	\$ 620,000

Estimated Project Timeline	New Project	Responsible Department(s):
Project Origination Date		Cable TV
Project Design Start Date		CD&P
Construction Start Date		City Manager
Project Completion Date	Ongoing	Finance
		Fire
		Historic
		Human Svc
		IT
		Parks & Rec
		Personnel
		Police
		PW Admin
		PW Fleet
		PW Operations
		PW Signs/Signal
		PW Stormwater
		PW Streets
		PW Transport
		PW Wastewater
		Schools

Financial Impacts	
Annual Revenue Generated:	\$ -
Annual Cost Savings:	\$ -
Annual Increase in Operating Costs:	\$ -
Projected Future Savings:	\$ -

PROJECT INFORMATION

Name: Reline Bridge Culvert Storm Structures **Project #** 320-631318-580330

2012 Comprehensive Plan Reference: PFS-2.2 (p. 84); CA-1.5 (p. 103)

Comprehensive Plan Element

<input checked="" type="checkbox"/>	Public Service and Facilities		<input checked="" type="checkbox"/>	Environment
	Economy			Housing
	Community Appearance			Transportation
	Land Use			Other City Plan/Policy

Statement of Need:
 This project is necessary to extend the life of the storm structures that bridge vehicular traffic over the creek systems. The existing galvanized pipe has deteriorated and will not support the road bed if a new system is not installed. There are approximately 37 bridge culverts throughout the city.

FY 2020 - Presbyterian and Hallman

Picture:



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Infrastructure Maint/Repair/Upgrade	75,000	80,000	85,000	90,000	95,000	100,000	450,000
Total Costs	\$ 75,000	\$ 80,000	\$ 85,000	\$ 90,000	\$ 95,000	\$ 100,000	\$ 450,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	75,000	80,000	85,000	90,000	95,000	100,000	450,000
Total Funding	\$ 75,000	\$ 80,000	\$ 85,000	\$ 90,000	\$ 95,000	\$ 100,000	\$ 450,000

Estimated Project Timeline		New Project	Responsible Department(s):	
Project Origination Date			Cable TV	Police
Project Design Start Date			CD&P	PW Admin
Construction Start Date			City Manager	PW Fleet
Project Completion Date	Ongoing		Finance	PW Operations
Financial Impacts			Fire	PW Signs/Signal
Annual Revenue Generated:	\$ -		Historic	PW Stormwater
Annual Cost Savings:	\$ -		Human Svc	PW Streets
Annual Increase in Operating Costs:	\$ -		IT	PW Transport
Projected Future Savings:	\$ -	Parks & Rec	PW Wastewater	
		Personnel	Schools	

PROJECT INFORMATION

Name: Plantation Parkway Culvert Repairs **Project #** 320-644427-580330

2012 Comprehensive Plan Reference: PFS2.2(p.84)

Comprehensive Plan Element

<input checked="" type="checkbox"/>	Public Service and Facilities		<input checked="" type="checkbox"/>	Environment
	Economy			Housing
	Community Appearance			Transportation
	Land Use			Other City Plan/Policy

Statement of Need:
 This project will replace the erosion/scour slab, riprap and repair the wing walls on the upstream and downstream ends of this double 10' diameter corrugated metal pipe culvert.



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Planning/Design/Engineering	-	50,000	-	-	-	-	50,000
Construction	-	100,000	-	-	-	-	100,000
Total Costs	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	-	150,000	-	-	-	-	150,000
Total Funding	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Estimated Project Timeline		New Project <input checked="" type="checkbox"/>	Responsible Department(s):			
Project Origination Date	07/01/19		Cable TV		Police	
Project Design Start Date	07/01/19		CD&P	<input checked="" type="checkbox"/>	PW Admin	<input checked="" type="checkbox"/>
Construction Start Date	07/01/20		City Manager		PW Fleet	
Project Completion Date	06/30/21		Finance		PW Operations	
Financial Impacts			Fire		PW Signs/Signal	
Annual Revenue Generated:	\$ -		Historic		PW Stormwater	
Annual Cost Savings:	\$ -		Human Svc		PW Streets	
Annual Increase in Operating Costs:	\$ -		IT		PW Transport	
Projected Future Savings:	\$ -		Parks & Rec		PW Wastewater	
		Personnel		Schools		

PROJECT INFORMATION

Name: Municipal Separate Storm Sewer System (MS4) **Project #** 340-644424-580330

2012 Comprehensive Plan Reference: ENV 2.1 (p. 34), ENV 4.1 (p. 35), PFS 2.2 (p. 84)

Comprehensive Plan Element

	Public Service and Facilities		✓	Environment
	Economy			Housing
✓	Community Appearance			Transportation
	Land Use			Other City Plan/Policy

Statement of Need:
 This project is required to comply with the 2018 5 year MS4 permit requirements. The new permit has new significant milestones the City has to meet each year of the 5 year permit term. The new permit has a significant amount of added requirements, including updating GIS files for DEQ, updating website, revising the 5 year program plan, nutrient management plans and our annual report. This permit will be active from 2018-2023.



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Planning/Design/Engineering	95,000	100,000	120,000	130,000	130,000	140,000	620,000
Total Costs	\$ 95,000	\$ 100,000	\$ 120,000	\$ 130,000	\$ 130,000	\$ 140,000	\$ 620,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	95,000	100,000	120,000	130,000	130,000	140,000	620,000
Total Funding	\$ 95,000	\$ 100,000	\$ 120,000	\$ 130,000	\$ 130,000	\$ 140,000	\$ 620,000

Estimated Project Timeline	New Project	Responsible Department(s):
Project Origination Date		Cable TV
Project Design Start Date		CD&P
Construction Start Date		City Manager
Project Completion Date	Ongoing	Finance
		Fire
		Historic
		Human Svc
		IT
		Parks & Rec
		Personnel
		Police
		PW Admin
		PW Fleet
		PW Operations
		PW Signs/Signal
		PW Stormwater
		PW Streets
		PW Transport
		PW Wastewater
		Schools

Financial Impacts	
Annual Revenue Generated:	\$ -
Annual Cost Savings:	\$ -
Annual Increase in Operating Costs:	\$ -
Projected Future Savings:	\$ -

PROJECT INFORMATION

Name: Private BMP/SWM Inspection **Project #** 340-644432-580330

2012 Comprehensive Plan Reference: ENV-2.1 (p. 34); PFS-2.2 (p. 84)

Comprehensive Plan Element

Public Service and Facilities		✓	Environment
Economy			Housing
Community Appearance			Transportation
Land Use			Other City Plan/Policy

Statement of Need:
 This project provides for the annual inspection of all the private Best Management Practice/Storm Water Management (BMP/SWM) systems throughout the City. Currently there are 341 private facilities inspected annually. The State requires annual inspection of these facilities under the Virginia Pollution Discharge Elimination System (VPDES) and Phase II-Municipal Separate Storm Sewer System (MS4). We expect these numbers to increase in the future as new BMPs come online.




Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Infrastructure Maint/Repair/Upgrade	120,000	120,000	145,000	155,000	165,000	165,000	750,000
Total Costs	\$ 120,000	\$ 120,000	\$ 145,000	\$ 155,000	\$ 165,000	\$ 165,000	\$ 750,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	120,000	120,000	145,000	155,000	165,000	165,000	750,000
Total Funding	\$ 120,000	\$ 120,000	\$ 145,000	\$ 155,000	\$ 165,000	\$ 165,000	\$ 750,000

Estimated Project Timeline	New Project	Responsible Department(s):
Project Origination Date		Cable TV
Project Design Start Date		Police
Construction Start Date		PW Admin
Project Completion Date		PW Fleet
	Ongoing	PW Operations
		PW Signs/Signal
		PW Stormwater
		PW Streets
		PW Transport
		PW Wastewater
		Schools

Financial Impacts	
Annual Revenue Generated:	\$ -
Annual Cost Savings:	\$ -
Annual Increase in Operating Costs:	\$ -
Projected Future Savings:	\$ -

PROJECT INFORMATION								
Name: Public BMP/SWM Inspection and Maintenance				Project # 340-644415-580330				
2012 Comprehensive Plan Reference:		ENV-2.1 (p. 34); PFS-2.2 (p. 84)						
Comprehensive Plan Element								
	Public Service and Facilities		✓	Environment				
	Economy			Housing				
	Community Appearance			Transportation				
	Land Use			Other City Plan/Policy				
Statement of Need:		Picture:						
<p>This project provides for the annual inspection and maintenance of all the public Best Management Practice/Storm Water Management (BMP/SWM) systems throughout the City. Currently there are 31 City owned and maintained facilities that are inspected annually. The State requires annual inspection of these facilities under the Virginia Pollution Discharge Elimination System (VPDES) and Phase II-Municipal Separate Storm Sewer System (MS4). We expect these numbers to increase in the future as new BMPs come online.</p>								
Funding Allocation		FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Infrastructure Maint/Repair/Upgrade		110,000	110,000	130,000	135,000	140,000	145,000	660,000
Total Costs		\$ 110,000	\$ 110,000	\$ 130,000	\$ 135,000	\$ 140,000	\$ 145,000	\$ 660,000
Funding Sources		FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund		110,000	110,000	130,000	135,000	140,000	145,000	660,000
Total Funding		\$ 110,000	\$ 110,000	\$ 130,000	\$ 135,000	\$ 140,000	\$ 145,000	\$ 660,000
Estimated Project Timeline		New Project		Responsible Department(s):				
Project Origination Date				Cable TV		Police		
Project Design Start Date				CD&P		PW Admin		
Construction Start Date				City Manager		PW Fleet		
Project Completion Date		Ongoing		Finance		PW Operations		
				Fire		PW Signs/Signal		
				Historic		PW Stormwater	✓	
				Human Svc		PW Streets		
				IT		PW Transport		
				Parks & Rec		PW Wastewater		
				Personnel		Schools		
Financial Impacts								
Annual Revenue Generated:		\$	-					
Annual Cost Savings:		\$	-					
Annual Increase in Operating Costs:		\$	-					
Projected Future Savings:		\$	-					

PROJECT INFORMATION

Name: Stream Evaluation and Restoration **Project #** 340-644422-580330

2012 Comprehensive Plan Reference: ENV-2.1 (p. 34); PFS-2.2 (p. 84); T-7.3.3 (p. 134)

Comprehensive Plan Element

✓	Public Service and Facilities		✓	Environment
	Economy			Housing
	Community Appearance		✓	Transportation
	Land Use			Other City Plan/Policy

Statement of Need:
 The Accotink Creek Stream Stability Assessment and Prioritization Plan Supplemental Report for Daniels Run (October 2008) listed the stretch of stream at Van Dyke Park (Jean St) as Extreme. The Accotink Creek Watershed, with a portion of the "southern reach" tributary, flows in a northeast direction along the entire northern edge of Van Dyck Park. Overall poor stream health for this portion of the creek indicates that immediate action is needed to address bank erosion, tree loss, flooding, and stream debris. Stream restoration is a priority in the Van Dyke master plan. This project will fund engineering plans for construction of stream restoration on this stretch of stream. All grant opportunities will be explored for this project.



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Planning/Design/Engineering	230,000	70,000	130,000	-	525,000	-	725,000
Construction	-	-	-	1,600,000	-	1,600,000	3,200,000
Total Costs	\$ 230,000	\$ 70,000	\$ 130,000	\$ 1,600,000	\$ 525,000	\$ 1,600,000	\$ 3,925,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Financing	-	-	-	355,400	-	-	355,400
Grant	-	-	-	800,000	-	800,000	1,600,000
Storm Water Fund	230,000	70,000	130,000	444,600	525,000	800,000	1,969,600
Total Funding	\$ 230,000	\$ 70,000	\$ 130,000	\$ 1,600,000	\$ 525,000	\$ 1,600,000	\$ 3,925,000

Estimated Project Timeline		New Project	Responsible Department(s):	
Project Origination Date			Cable TV	Police
Project Design Start Date			CD&P	PW Admin
Construction Start Date			City Manager	PW Fleet
Project Completion Date	Ongoing		Finance	PW Operations
			Fire	PW Signs/Signal
			Historic	PW Stormwater
			Human Svc	PW Streets
			IT	PW Transport
			Parks & Rec	PW Wastewater
			Personnel	Schools

Financial Impacts	
Annual Revenue Generated:	\$ -
Annual Cost Savings:	\$ -
Annual Increase in Operating Costs:	\$ -
Projected Future Savings:	\$ -

PROJECT INFORMATION

Name: TMDL Action Plans	Project # 340-644426-580330
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2012 Comprehensive Plan Reference: ENV-4.1(pg35); PFS-2.2(pg84)

Comprehensive Plan Element

Public Service and Facilities		✓	Environment
Economy			Housing
Community Appearance			Transportation
Land Use			Other City Plan/Policy

Statement of Need:
 This project is needed to comply with the annual milestone requirements of the Municipal Separate Storm Sewer System (MS4) permit and state mandated TMDL allocations for waterways located within the regional watershed. A Chesapeake Bay Total Maximum Daily Load (TMDL) action plan was completed in July 2015, as well as 9 additional TMDLs allocated to the City. Each action plan outlines what the pollutant of concern (POC) loads and required reductions are for the City to meet the permit requirements, and how the City will achieve them. We met our Chesapeake Bay TMDL 5% reduction requirements for 2018. The Chesapeake Bay TMDL requires that the City hit a 5% pollutant reduction goal to meet the permit requirements by 2018, 40% pollutant reduction goal to meet the permit requirements by 2023, and 100% pollutant reduction goal to meet the permit requirements 2028. We are currently working on a BMP retrofit plan to outline potential projects to meet the 2023 and 2028 deadlines. Each years funding is anticipated to fund 1-2 retrofits depending on the type of facility. All grant opportunities will be explored. Additional TMDL's are anticipated in the near future.



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Planning/Design/Engineering	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Construction	-	400,000	400,000	400,000	400,000	400,000	2,000,000
Total Costs	\$ 100,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,500,000

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	100,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Total Funding	\$ 100,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,500,000

Estimated Project Timeline	New Project	Responsible Department(s):
Project Origination Date		Cable TV
Project Design Start Date		CD&P
Construction Start Date		City Manager
Project Completion Date	Ongoing	Finance
		Fire
		Historic
		Human Svc
		IT
		Parks & Rec
		Personnel
		Police
		PW Admin
		PW Fleet
		PW Operations
		PW Signs/Signal
		PW Stormwater
		PW Streets
		PW Transport
		PW Wastewater
		Schools

Financial Impacts	
Annual Revenue Generated:	\$ -
Annual Cost Savings:	\$ -
Annual Increase in Operating Costs:	\$ -
Projected Future Savings:	\$ -

PROJECT INFORMATION

Name: Culvert at Pickett Road Crossing **Project #** 320-641416-580330

2012 Comprehensive Plan Reference: PFS-2.2 (p. 84)

Comprehensive Plan Element

Public Service and Facilities		Environment
Economy		Housing
Community Appearance		Transportation
Land Use		Other City Plan/Policy

Statement of Need:
 The galvanized abandoned pedestrian tunnel under Pickett has deteriorated and is structurally unstable and could cause a sinkhole or major damage to Pickett Road. The structure would be filled with flowable fill, creating a solid structure.

Estimated cost for Flowable Fill is \$367.00 per calendar year. Approximately 285 per calendar year are needed.



Funding Allocation	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Construction	-	104,600	-	-	-	-	104,600
Total Costs	\$ -	\$ 104,600	\$ -	\$ -	\$ -	\$ -	\$ 104,600

Funding Sources	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Storm Water Fund	-	104,600	-	-	-	-	104,600
Total Funding	\$ -	\$ 104,600	\$ -	\$ -	\$ -	\$ -	\$ 104,600

Estimated Project Timeline		New Project ✓	Responsible Department(s):			
Project Origination Date	07/01/19		Cable TV		Police	
Project Design Start Date			CD&P		PW Admin	
Construction Start Date			City Manager		PW Fleet	
Project Completion Date	06/30/20		Finance		PW Operations	
		Fire		PW Signs/Signal		
		Historic		PW Stormwater		
		Human Svc		PW Streets	✓	
		IT		PW Transport		
		Parks & Rec		PW Wastewater		
		Personnel		Schools		

Financial Impacts	
Annual Revenue Generated:	\$ -
Annual Cost Savings:	\$ -
Annual Increase in Operating Costs:	\$ -
Projected Future Savings:	\$ -

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