



# Capital Improvement Plan

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## MEMORANDUM

TO: Honorable Mayor and Members of City Council  
FROM: Timothy J. Baroody, City Manager  
RE: Recommended Capital Improvement Plan for FY 2022  
DATE: March 9, 2021

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### Recommended Budget Capital Improvement Plan

The recommended capital budget for FY 2022 is presented in this transmittal letter. The new capital improvement plan spans FY 2022 – FY 2027, with future fiscal years considered planning years.

This capital improvement plan reinitiates several projects that were deferred or reduced as part of the City's pandemic response in FY 2021. Deferred or reduced projects rely on local funds, and not bond funds or grant funds and were identified by staff as able to be deferred or reduced without impacting capital maintenance or community needs to a detrimental extent. Small Area Plans, the Asphalt & Concrete Program, Neighborhood Enhancements, and a new joint procurement with Fredericksburg City Public Schools to enhance the City's energy efficiency and reduce its carbon footprint are included in this CIP.

In FY 2022, the CIP recommends \$33 million in local funding for capital projects, of which \$25 million is in the form of potential debt issuance. Of that total, \$20.4 million in potential debt issuance (81% of total potential issuance) would be from the City's water and wastewater enterprise funds. The CIP also anticipates an additional \$21.9 million in capital project funding from the Commonwealth in FY 2022, primarily through VDOT.

## Transmittal Letter | FY 2022 Recommended Capital Improvement Plan

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, All Years
<b>Local</b>	<b>\$ 32,995,319</b>	<b>\$ 28,400,513</b>	<b>\$ 81,217,713</b>	<b>\$ 6,200,436</b>	<b>\$ 13,192,437</b>	<b>\$ 5,250,638</b>	<b>\$ 167,257,056</b>
Debt Issuance	\$ 25,252,800	\$ 20,643,400	\$ 71,710,300	\$ 750,000	\$ 6,800,800	\$ -	\$ 125,157,300
Fund 302 Revenues (R-Board & Interest Earnings)	\$ 218,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 218,800
Fund Balance	\$ 184,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 184,000
Motor Fuels Tax	\$ 810,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 2,310,000
Other Sources (TBD)	\$ 650,000	\$ 220,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 2,150,000
Private Donations	\$ 137,000	\$ 183,000	\$ -	\$ -	\$ -	\$ -	\$ 320,000
Proffer	\$ 335,000	\$ 300,000	\$ 150,000	\$ 150,000	\$ 711,200	\$ 150,000	\$ 1,796,200
School Capital Fund Balance	\$ 370,000	\$ 250,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 1,220,000
System Revenues	\$ 1,835,000	\$ 1,040,000	\$ 1,540,000	\$ 1,040,000	\$ 1,390,000	\$ 1,490,000	\$ 8,335,000
Transfer from General Fund	\$ 3,102,719	\$ 5,164,113	\$ 6,747,413	\$ 3,240,436	\$ 3,270,437	\$ 2,590,638	\$ 24,115,756
Transfer from Stormwater Fund	\$ 100,000	\$ 300,000	\$ 300,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,450,000
<b>State</b>	<b>\$ 21,902,132</b>	<b>\$ 5,390,975</b>	<b>\$ 23,410,377</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 180,000</b>	<b>\$ 50,883,484</b>
Technical Assistance Grant	\$ 15,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000
VDEQ	\$ 1,175,000	\$ 2,250,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 4,425,000
VDOT - CMAQ	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
VDOT - HSIP	\$ 589,132	\$ 518,975	\$ 410,377	\$ -	\$ -	\$ -	\$ 1,518,484
VDOT - Primary Extension SGR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
VDOT - RSTP	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
VDOT - Smart Scale	\$ 17,460,000	\$ 2,200,000	\$ -	\$ -	\$ -	\$ -	\$ 19,660,000
VDOT - TAP	\$ 2,538,000	\$ 402,000	\$ -	\$ -	\$ -	\$ 180,000	\$ 3,120,000
Water Quality Improvement Fund	\$ -	\$ -	\$ 22,000,000	\$ -	\$ -	\$ -	\$ 22,000,000
<b>Grand Total</b>	<b>\$ 54,897,451</b>	<b>\$ 33,791,488</b>	<b>\$ 104,628,090</b>	<b>\$ 6,200,436</b>	<b>\$ 13,192,437</b>	<b>\$ 5,430,638</b>	<b>\$ 218,140,540</b>

Project highlights from each fund are presented in the following sections.

### Fredericksburg City Public Schools

#### Buses, Technology, Equipment & Capital Maintenance

Fredericksburg City Public Schools (FCPS) has a number of annual capital maintenance needs as well as one-time projects that change from year to year. Annual projects include replacement of a portion of the schools' IT devices, including computers, tablets and other devices; replacement of two school buses per year; and various capital maintenance projects to maintain and improve the quality of the school environment.

The Recommended Budget includes a transfer to school capital of \$417,000. However, the City is also taking action to address another school cost elsewhere in this CIP. For many years, FCPS has maintained a lease for surface bus parking, but in FY 2022, the City plans to issue \$600,000 in debt to finance the purchase of a suitable property to convert to bus parking, so the current lease will eventually be discontinued at a cost savings to the district. This project is included in the Public Facilities Capital Fund (Fund 305).

The FY 2022 capital maintenance line item includes a one-time project at \$250,000 to replace needed mechanical systems as well as an ongoing \$100,000 for repairs such as flooring replacement, building repairs, and roof repairs on an as-needed basis. The City recommends that FCPS prioritize the mechanical system replacement with a portion of City support in FY 2022.

Additionally, renovations are needed to configure the LUES cafeteria to be able to serve all students in a safe and timely manner. The City recommends pursuit of this \$118,000 one-time project over the summer of 2021 so that it can be completed in anticipation of a potential full enrollment return to in-person instruction in fall 2021.

## Public Works

### Historic District Improvements – Colonial Streetlights

Many historic colonial street light poles in the downtown district on Caroline Street (500-800 block), William Street, and Sophia Street are structurally failing and pose a public safety hazard. Following on an engineering study from FY 2021, this project executes a construction contract to replace and upgrade the lights to a safe, energy-efficient replacement. This CIP anticipates funding the complete replacement of lights on approximately 12 city blocks in FY 2022.

### Pedestrian Bridges

Based on the findings of Public Works' pedestrian bridge inspection program, the department has determined that it is necessary to pursue complete replacement of all five current assets' superstructure. This CIP recommends pursuit of this project in its entirety in FY 2022, which will likely yield cost savings.

### Rolling Stock Replacement

The Public Works Department replaces aged, high maintenance vehicles each year to maintain and improve the City's fleet. The FY 2022 recommended budget proposes acquisition of a new leaf vacuum truck, which will improve the City's ability to remove tree debris quickly and effectively, reduce temporary labor needs, and contribute to maintaining the City's MS4 permit.

## Stormwater Management

### Storm Drains & Culverts

The City's storm drains and culverts require periodic maintenance and replacement in order to continue to function. In most years, culvert replacement funding is set aside each year so the Department of Public Works can maintain and upgrade if necessary the culvert and ditch drainage system. This funding also gives Public Works access to funding when culverts or drainpipes need emergency repair. Other projects have been identified and are scheduled based on condition.

Given timing needs related to ongoing VDOT construction as well as city schools operations, the City plans to address two major culvert/stormwater projects, 100 block of William Street and Learning Lane, via budget amendment in the current FY 2021 fiscal year. In lieu of a large contingency in FY 2022, the City will address funding for emergency culvert needs on a project-by-project basis.

Future scheduled projects include work in Huntington Hills and the Route 1 culvert situated between Kings Mill Road and Twin Lakes Drive. An additional project on George Street will be included in the plan as scope and cost details become available. Furthermore, the City's Comprehensive Plan discusses the need to possibly build new or retrofit existing stormwater management facilities.

### Pond "D"

Pond 'D' is an existing flood control facility that impounds an unnamed tributary to Hazel Run between the Great Oaks subdivision at the end of Black Oak Court and the Police Station. The drainage area to the existing impoundment is approximately 700 acres and drains a large impervious section of Central Park. The existing basin was designed to abate downstream flooding on homes and properties.

Water quality treatment was not a prominent design feature in this facility. Pond 'D' was targeted as a potential stormwater management best management practice (BMP) as part of the City's Chesapeake Bay Total Maximum Daily Load (TMDL) action planning to reduce Nitrogen (N), Phosphorus (P), and Sediment (TSS) from the Bay as required by the City's Municipal Separate Storm Sewer System (MS4) permit obligations. Under the permit structure, the City must meet 40% of its overall pollutant removal reductions by June 30, 2023. The City performed an analysis of Pond 'D' to assess viability of water quality enhancement/retrofit, pollutant removal potential, cost estimate, limiting site factors, and potential for state Stormwater Local Assistance Fund (SLAF) 50/50 matching grants based on competitive \$/lb. removal rates. The City concluded that Pond 'D' could best be retrofitted as a Level 1 or Level 2 Extended Detention Pond. Based on their projections the Level 1 design would achieve 100 lbs. phosphorus reduction, or half the required reduction required, by June 30, 2023. An additional 100 lbs. of phosphorus reduction will be required by June 30, 2023 and is proposed to be accomplished by stream restoration. With phosphorus removal at \$12.9k/lb. and \$40K/lb. for stream restoration, the City is well-positioned below the SLAF threshold of \$49k/lb. phosphorus recommended for grant funding and would seek 50% matching funds to complete these projects and achieve its 2023 TMDL goals and the City Council's Vision for a Green, Clean Environment.

In this CIP, the Pond 'D' project is expanded to include dam safety and regulatory compliance measures. The dam/impoundment receives drainage from several hundred acres of developed and wooded lands. Regulatory changes have resulted in the facility speculatively qualifying as a High Hazard Dam. Upon designation as a High Hazard Dam the City has 2 years to improve the embankment to pass the prescribed rainfall event. Public Works are processing the hazard designation with anticipated resolution in FY 2023.

#### Asphalt & Concrete Program

Each year the City uses local and Virginia Department of Transportation (VDOT) revenue sharing funds to complete an asphalt reconstruction and repaving program. Major transportation roads in the City are candidates for the annual revenue sharing application while less travelled neighborhood streets are locally funded. The City now receives primary roadway paving funds from VDOT as well, which require no local match. The City maximizes funding available each year to address the streets in the greatest need of repair. The maintenance of the City's street system is essential to the transportation network, and supports the Comprehensive Plan's goals in providing good transportation in the community.

## Water System Improvement

#### Water Meter Replacement

The company which supplies the water meters used by the City has announced that they will be discontinuing product support for the water meter models currently in use. The newer models will provide more efficient metering and service and will allow remote reading of water meters, and will eventually enable other operational improvements in utility billing. This citywide upgrade will replace approximately 8,000 thousand meters in FY 2022. The current budget recommendation for the cost of this project is \$4 million.

### Motts Run Expansion

Spotsylvania County serves both major areas of the County and the City through the Motts Run Treatment Plant, and both the County and the City share the responsibility for capital upgrades at the facility. The County plans to expand the facility and renovate some of the equipment.

This schedule and final cost of this work are currently under negotiation between the City and Spotsylvania County, and there may be recommendations for changes to the Capital Improvement Plan for this project prior to adoption.

## Wastewater System Improvement

### Wastewater Treatment Plant Project

The City currently treats wastewater under a long-term agreement with Spotsylvania County. Most of the City's wastewater is treated at the City's Wastewater Treatment Plant, while some portion is by-passed downstream to the FMC Wastewater Treatment Plant owned and operated by Spotsylvania County.

The City's Wastewater Plant is relatively older and would require significant upgrades within an approximate ten-year time frame to maintain its viability. The City previously anticipated negotiating a long-term agreement with Spotsylvania County for treatment capacity at the Massaponax Plant and removing the City's plant from service, which is reflected in the estimates presented in this CIP; however, the City now anticipates upgrading the City's plant and have a smaller portion of the wastewater going to an expanded Massaponax Plant instead. Those estimates are in early stage development and will be presented in the FY 2022 CIP.

This schedule and final cost of this work are currently under negotiation between the City and Spotsylvania County, and there may be recommendations for changes to the Capital Improvement Plan for this project prior to adoption. The City and County are also working together on aid from the Commonwealth for this project, which would help to reduce the local-share of the cost.

That said, the first major stage of the project, which includes the reconstruction of the influent pump station at the City's Wastewater Treatment Plant, is scheduled for FY 2022. This new influent pump station work will be necessary regardless of whether the City maintains a separate treatment plant or is able to combine with the County's treatment plant.

## Public Facilities

### Energy Retrofits Initiative

The City continues to pursue opportunities to reduce its carbon footprint and move toward sustainable energy methods. City Council has adopted a Green Energy initiative to be completed by 2035, and technology continues to advance in the area of energy efficiency and sustainable initiatives. The City and the Fredericksburg City Public Schools are developing a joint Request for Proposals to allow companies to provide their ideas for these initiatives. In the short run, this could lead to more efficient equipment in City buildings and/or solar generation of electricity to reduce operating costs. Long term, this could lead to replacing fossil fuels in City vehicles and for heating and cooling City buildings. FY 2022 costs of this project include initial investments in the Police Department and DHCC.

### Information Technology – Technology Replacements

The City replaces computer technology used by our operating Departments through the capital fund, currently on a four-year cycle. Ongoing funding for computer replacements for worn or outdated computers is essential for City operations. Annual increases are included to accommodate the City's IT needs. The City was able to utilize over half a million dollars in federal CARES Act funding to expand the City's telework capacity, which included both replacement and addition of various devices as well as software and cloud-based services.

## Public Safety

### New Fire Station

The Fire Department currently provides service from two stations strategically located within the city limits. Due to increasing call volume, new construction and extended response times, it has become necessary to construct and occupy a new station within the city limits to meet NFPA guidelines for response times for both emergency medical and fire suppression calls.

During FY 2018, the City completed a fire station location study to determine the type and location of the new station. The City has determined its best option is to build a new superstation which would replace one of the existing stations. The FY 2022 CIP recommends \$675,000 in funding for design and engineering of the new station.

### Police Body Cameras

The value of the camera technology to increase officer safety through the documentation of evidence concerning observed criminal activity and assaults against police officers is incalculable. Nearly of equal value to agency management is the modification of behavior that takes place when an officer and citizen know that their actions are being recorded, and the mitigation of complaints. These advantages serve to strengthen the overall accountability of the agency and increase the public's trust in the professionalism of the individual officers who serve the community.

In 2020, the Police Department negotiated a new, 10-year contract for body cameras, tasers, and interview room equipment that consolidated the department's body cameras, tasers, and interview room all into one. The new contract also includes 15 body cameras and tasers for the Sheriff's Office. The change in price for this contract reflects these efficiencies and expansions. This new contract is anticipated to replace all prior contracts held with the vendor by the start of FY 2022, if not before.

## Conclusion

The FY 2022 CIP represents both continued and expanded investment in the maintenance and expansion of critical community resources.

The Recommended Capital Improvement Plan currently includes approximately \$25.1 million in bond issuance. This amount may need to be adjusted as certain projects continue to be negotiated. In addition, the availability of federal funds through the new American Recovery Act may provide some ability to fund projects or parts of projects without issuing debt. However, the reconstruction of the Wastewater Treatment Plant influent pump station and the replacement of the City's water meter system need to move forward relatively quickly, and the City does anticipate the issuance of bonds for capital work during FY 2022.



## SCHOOL CAPITAL (FUND 301) & SCHOOL CAPITAL BOND FUND (FUND 311)

### Sources

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
General Fund Transfer	\$ 417,000	\$ 630,000	\$ 550,000	\$ 630,000	\$ 550,000	\$ 630,000
Debt Issuance	\$ -	\$ -	\$ 5,300,000	\$ -	\$ 5,050,800	\$ -
Fund Balance	\$ 370,000	\$ 250,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
Proffer	\$ 300,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 711,200	\$ 150,000
Source TBD	\$ 650,000	\$ 220,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000
<b>Grand Total</b>	<b>\$ 1,737,000</b>	<b>\$ 1,250,000</b>	<b>\$ 6,470,000</b>	<b>\$ 1,250,000</b>	<b>\$ 6,782,000</b>	<b>\$ 1,250,000</b>

### Uses

Major capital projects such as the James Monroe High School Expansion and Lafayette Upper Elementary School Expansion will be presented in Fund 311 in the year they are funded. **These expansion estimates are only placeholder values and may be altered dramatically by recommendations due out in 2021 by the joint school / City committee.** All school capital projects are presented together here for illustration purposes.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Buses, Technology, Equipment & Capital Maintenance	\$ 1,737,000	\$ 1,170,000	\$ 1,170,000	\$ 1,170,000	\$ 1,170,000	\$ 1,170,000
Enrollment Projections	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ -	\$ 80,000
James Monroe High School Expansion	\$ -	\$ -	\$ 5,300,000	\$ -	\$ -	\$ -
Lafayette Upper Elementary School Expansion	\$ -	\$ -	\$ -	\$ -	\$ 5,612,000	\$ -
<b>Grand Total</b>	<b>\$ 1,737,000</b>	<b>\$ 1,250,000</b>	<b>\$ 6,470,000</b>	<b>\$ 1,250,000</b>	<b>\$ 6,782,000</b>	<b>\$ 1,250,000</b>

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**Buses, Technology, Equipment & Capital Maintenance**

<b>Department</b>	Fredericksburg City Public Schools	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>Learning Is A Way Of Life</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

Technology Replacements: FCPS replaces a portion of its information technology on an annual basis, including computers, tablets and other devices. This is a annually recurring project.

School Buses: FCPS replaces two school buses per year. For many years a lease has been maintained for surface bus parking, but the City CIP plans to issue \$600,000 in debt to finance the potential purchase of a suitable property to convert to bus parking, so the current lease will not need to be maintained in perpetuity.

Capital Maintenance: The FY 2022 line item includes \$250,000 to replace needed mechanical systems as well as \$100,000 for repairs such as flooring replacement, building repairs, and roof repairs on an as-needed basis. The mechanical replacements are a one-time project; the repair line is ongoing.

Cafeteria Improvements: Renovations are needed to configure the LUES cafeteria to be able to serve all students in a safe and timely manner. Pursuit of this renovation is recommended over the summer of 2021 so that it can be completed in anticipation of a potential full enrollment return to in-person school in fall 2021. This is a one-time project.

Sports Facility Maintenance: FCPS has requested \$51,000 to re-sod the football field. This is a periodic need that can be viewed as a one-time project for purposes of this CIP.

Learning Cottages: FCPS maintains three learning cottages at LUES and WMES. This is an ongoing expense.

Parking Lot Resurfacing: This is a one-time project.

Playground Enhancements: This is a one-time project.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Rolling Stock Replacement</b>	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 1,920,000
School Buses	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 1,920,000
<b>Information Technology</b>	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000
Computer Technology	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000

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**Buses, Technology, Equipment & Capital Maintenance**

Department City Council Vision	Fredericksburg City Public Schools <i>Learning Is A Way Of Life</i>						Project Type	Ongoing
							Start Year	Active
							Estimated Year of Completion	NA
<b>Facility Maintenance</b>	\$ 1,017,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 3,267,000	
Cafeteria Improvements	\$ 118,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 118,000	
Capital Improvements (Maintenance)	\$ 350,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 850,000	
Contingency	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	
Learning Cottages (HMES & WGMS)	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,800,000	
Parking Lot Resurfacing	\$ 118,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 118,000	
Playground Enhancements	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	
Sports Facility Improvements	\$ 51,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51,000	
<b>Source</b>	\$ 1,737,000	\$ 1,170,000	\$ 1,170,000	\$ 1,170,000	\$ 1,170,000	\$ 1,170,000	\$ 7,587,000	
Transfer from General Fund	\$ 417,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 3,167,000	
Proffer	\$ 300,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 1,050,000	
School Capital Fund Balance	\$ 370,000	\$ 250,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 1,220,000	
Other Sources (TBD)	\$ 650,000	\$ 220,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 2,150,000	
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

**Operating Impact**

NA

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## Enrollment Projections

<b>Department</b>	Fredericksburg City Public Schools	<b>Project Type</b>	Biannual
<b>City Council Vision</b>	<i>Learning Is A Way Of Life</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

FCPS has contracted with a vendor to provide periodic reevaluation of enrollment projections, in order to help the City and Schools plan for future capital improvement needs.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Source</b>	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ 240,000
Transfer from General Fund	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ 240,000
School Capital Fund Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Planning</b>	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ 240,000
Enrollment Projections	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ 240,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

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**James Monroe High School Expansion**

<b>Department</b>	Fredericksburg City Public Schools	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Learning Is A Way Of Life</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2025

**Project Description**

Expansion at the high school may be necessary based on enrollment projections. **These expansion estimates are only placeholder values and may be altered dramatically by recommendations due out in 2021 by the joint school / City committee.**

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>New Construction</b>	\$ -	\$ -	\$ 5,300,000	\$ -	\$ -	\$ -	\$ 5,300,000
James Monroe High School Expansion	\$ -	\$ -	\$ 5,300,000	\$ -	\$ -	\$ -	\$ 5,300,000
<b>Source</b>	\$ -	\$ -	\$ 5,300,000	\$ -	\$ -	\$ -	\$ 5,300,000
Debt Issuance	\$ -	\$ -	\$ 5,300,000	\$ -	\$ -	\$ -	\$ 5,300,000
<b>Operating Impact</b>	\$ -	\$ -	\$ 79,000	\$ 353,300	\$ 353,300	\$ 353,300	\$ 1,138,900
Operating Impact - Debt	\$ -	\$ -	\$ 79,000	\$ 353,300	\$ 353,300	\$ 353,300	\$ 1,138,900
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

Expansion of a school facility may result in numerous operating impacts, including changes to staffing, increases in operating costs such as utilities and supplies, and other impacts. Estimates will be developed closer to the time of project execution.

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**Lafayette Upper Elementary School Expansion**

<b>Department</b>	Fredericksburg City Public Schools	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Learning Is A Way Of Life</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2028

**Project Description**

Expansion at the Lafayette Upper Elementary School is necessary to accommodate enrollment growth. This estimate assumes that 10% of the future cost can be paid with proffers and will be revised closer to date of construction. **These expansion estimates are only placeholder values and may be altered dramatically by recommendations due out in 2021 by the joint school / City committee.**

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>New Construction</b>	\$ -	\$ -	\$ -	\$ -	\$ 5,612,000	\$ -	\$ 5,612,000
Lafayette Upper Elementary School Expansion	\$ -	\$ -	\$ -	\$ -	\$ 5,612,000	\$ -	\$ 5,612,000
<b>Source</b>	\$ -	\$ -	\$ -	\$ -	\$ 5,612,000	\$ -	\$ 5,612,000
Debt Issuance	\$ -	\$ -	\$ -	\$ -	\$ 5,050,800	\$ -	\$ 5,050,800
Transfer from General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Proffer	\$ -	\$ -	\$ -	\$ -	\$ 561,200	\$ -	\$ 561,200
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,424	\$ 200,424
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,424	\$ 200,424
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

Expansion of a school facility may result in numerous operating impacts, including changes to staffing, increases in operating costs such as utilities and supplies, and other impacts. Estimates will be developed closer to the time of project execution.

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## PUBLIC WORKS CAPITAL FUND (FUND 302)

## Sources

		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
General Fund Transfer	\$	1,010,000	\$ 1,745,000	\$ 1,367,000	\$ 766,000	\$ 766,000	\$ 686,000
Debt Issuance	\$	3,575,000	\$ 2,250,000	\$ 1,706,000	\$ -	\$ -	\$ -
Enterprise	\$	-	\$ 300,000	\$ 300,000	\$ 250,000	\$ 250,000	\$ 250,000
Grant	\$	1,175,000	\$ 2,250,000	\$ 1,000,000	\$ -	\$ -	\$ -
Stormwater	\$	100,000	\$ -	\$ -	\$ -	\$ -	\$ -
VDOT Share of Local Project	\$	3,135,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
Other Revenue	\$	218,800	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$</b>	<b>9,213,800</b>	<b>\$ 6,845,000</b>	<b>\$ 4,673,000</b>	<b>\$ 1,316,000</b>	<b>\$ 1,316,000</b>	<b>\$ 1,236,000</b>

## Uses

		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Asphalt & Concrete Repair Program	\$	950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000
Canal Improvements	\$	50,000	\$ 48,000	\$ 280,000	\$ 30,000	\$ 30,000	\$ -
Culvert Replacement	\$	218,800	\$ 550,000	\$ 450,000	\$ 250,000	\$ 250,000	\$ 250,000
Downtown Pedestrian Enhancements	\$	2,550,000	\$ -	\$ -	\$ -	\$ -	\$ -
Great Oaks Acid Soil Remediation	\$	-	\$ 125,000	\$ -	\$ -	\$ -	\$ -
Historic Assets	\$	36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000
Historic District Improvements	\$	1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -
Neighborhood Enhancements	\$	50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -
Pedestrian Bridge Replacements	\$	1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
Pond 'D' Improvements	\$	2,350,000	\$ 4,600,000	\$ 2,706,000	\$ -	\$ -	\$ -
Public Works Rolling Stock Replacement	\$	204,000	\$ 285,000	\$ -	\$ -	\$ -	\$ -
VCR Trail Bridge over Hazel Run	\$	305,000	\$ -	\$ -	\$ -	\$ -	\$ -
Wheeled Refuse Carts	\$	-	\$ 201,000	\$ 201,000	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$</b>	<b>9,213,800</b>	<b>\$ 6,845,000</b>	<b>\$ 4,673,000</b>	<b>\$ 1,316,000</b>	<b>\$ 1,316,000</b>	<b>\$ 1,236,000</b>

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## Asphalt & Concrete Repair Program

<b>Department</b>	Public Works	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

Each year the City uses a combination of local and Virginia Department of Transportation (VDOT) funds to complete an asphalt reconstruction and repaving program that maintains existing streets, roads, curbs and gutters. Major transportation roads in the City are candidates for the annual revenue sharing application while less travelled neighborhood streets are locally funded. The City also applies annually for project funding from VDOT's Primary Extensions - State of Good Repair (SGR) Pavement Program, which requires no local match and which provides 100% of project administration.

NOTE: VDOT funds from this program used to be administered by the City, and as such were recognized within this CIP project, but starting this year they are not presented below; however, the City typically averages an additional \$900,000 in state funds for qualifying City road and bridge projects from VDOT.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Transportation</b>	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 5,700,000
Street Repair	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 5,400,000
Traffic Calming	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000
<b>Source</b>	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 5,700,000
Motor Fuels Tax	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,800,000
Transfer from General Fund	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 3,900,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Canal Improvements**

<b>Department</b>	Public Works	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	Green, Clean Environment	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

Debris has been accumulating in the Rappahannock Canal for years. Although it is a natural process, because the canal is a manmade, closed (no fresh water naturally flowing into the system) system, the rotting debris lowers dissolved oxygen levels (DO) in the water, which is detrimental to aquatic life. Debris removal also lends to a more aesthetically pleasing canal. This CIP project includes funding a four year debris removal program. The program may be extended in future CIPs or absorbed into the operating budget.

The aeration system was installed in 2005 and will require replacement of the compressors and aeration lines in a systematic way to assure continued optimum performance and benefit. The aeration system that provides compressed air to the Canal through slitted plastic lines helps to keep DO levels in the canal at an acceptable level. Two of six aeration pumps have been replaced in recent years, and the CIP assumes the City will commence replacement of the remaining four pumps at the rate of one per year starting in FY 2023.

The estimate for dredging the upper canal has been revised to reflect inflation since preparation of the initial estimate, and also the increased anticipated cost of MS4 permits for this activity. City staff have engaged the U.S. Army Corps of Engineers to request their assistance in planning and paying for upgrades. At this point there is no firm federal commitment of assistance.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Stormwater Management</b>	\$ 50,000	\$ 48,000	\$ 280,000	\$ 30,000	\$ 30,000	\$ -	\$ 438,000
Aeration System	\$ -	\$ 48,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ -	\$ 138,000
Debris Removal	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Dredge Upper Canal	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
<b>Source</b>	\$ 50,000	\$ 48,000	\$ 280,000	\$ 30,000	\$ 30,000	\$ -	\$ 438,000
Transfer from General Fund	\$ 50,000	\$ 48,000	\$ 280,000	\$ 30,000	\$ 30,000	\$ -	\$ 438,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Culvert Replacement**

<b>Department</b>	Public Works	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	Green, Clean Environment	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

The City’s storm drains and culverts require periodic maintenance and replacement in order to continue to function. Culvert replacement funding is set aside each year so the Department of Public Works can maintain and upgrade if necessary the culvert and ditch drainage system. This funding also gives Public Works access to funding when culverts or drainpipes need emergency repair. Other projects have been identified and are scheduled based on condition. The projects are reviewed annually.

Given timing needs related to ongoing VDOT construction as well as city schools operations, the City plans to address two major culvert/stormwater projects, 100 block of William Street and Learning Lane, via budget amendment in the current FY 2021 fiscal year. In lieu of a large contingency in FY 2022, the City will address funding for emergency culvert needs on a project-by-project basis. Important projects, in no particular order, include repairs to downtown sections of George Street, the major Route 1 culvert between Kings Mill Road and Twin Lakes Road, and the Huntington Hills stormwater system. The Route 1 repair is intended, in part, to stabilize the outfall to prevent collapse and back-fill / blockage of pipe that would back water up on the inlet side resulting in flooding properties / property damage. This area needs some immediate outfall stabilization, pipe remediation, headwall construction, etc. The section of the Huntington Hills stormwater system repaired in 2001 is currently failing, and a sink hole reported to be developing.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Stormwater Management</b>	\$ 218,800	\$ 550,000	\$ 450,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,968,800
Culvert Repair Contingency	\$ 218,800	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,468,800
Huntington Hills	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Route 1 Culvert	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
<b>Source</b>	\$ 218,800	\$ 550,000	\$ 450,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,968,800
Transfer from General Fund	\$ -	\$ 250,000	\$ 150,000	\$ -	\$ -	\$ -	\$ 400,000
Transfer from Stormwater Fund	\$ -	\$ 300,000	\$ 300,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,350,000
Fund 302 Revenues (R-Board & Interest Earnings)	\$ 218,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 218,800
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Downtown Pedestrian Enhancements**

<b>Department</b>	Transportation	<b>Project Type</b>	New
<b>City Council Vision</b>	Employment Epicenter	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2023

**Project Description**

Install brick sidewalks in the downtown core, filling in the gaps of the downtown brick sidewalk network. Additional work includes filling in gaps where streetlight are absent and install an ADA compliant walkway from Caroline Street to the Market Square.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Transportation</b>	\$ 2,550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,550,000
Construction	\$ 2,550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,550,000
<b>Source</b>	\$ 2,550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,550,000
Motor Fuels Tax	\$ 510,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,000
VDOT - TAP	\$ 2,040,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,040,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Great Oaks Acid Soil Remediation**

<b>Department</b>	Public Works	<b>Project Type</b>	One-Time
<b>City Council Vision</b>	<i>Distinct And Linked Neighborhoods</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2022

**Project Description**

Several areas within the Great Oaks subdivision have incurred accelerated deterioration and massive staining of sidewalks and curbs and gutter areas stemming from acid sulfate soils. The staining is the effect of the acid soils being exposed to air, causing a chemical reaction of the sulfur in the soil with air, creating sulfuric acid and the release of iron from the soils. The acid eats concrete and prohibits the growth of almost all plant materials.

This CIP project proposes to replace the current, traditional concrete sidewalk and curbing with a pervious rubber project that will not only resist staining and deterioration by the soils runoff, but will also allow infiltration of any runoff into the sidewalk area, thereby keeping it from reaching the storm sewer.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Streets &amp; Sidewalks</b>	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	<b>125,000</b>
Great Oaks Acid Soil Remediation	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	125,000
<b>Source</b>	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	<b>125,000</b>
Transfer from General Fund	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	125,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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## Historic Assets

<b>Department</b>	Public Works	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>A Proven Leader In Historic Preservation</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

Funds will be used to evaluate and repair the City's historic assets including the Mary Washington Monument, Hugh Mercer Monument, Thornton Cemetery, Religious Freedom monument, and the Rogers-Clark monument.

The funds may also be used for the City Cemetery and the Confederate Cemetery. Future projects may include the repair as necessary of the cemetery gate and replacement of the existing concrete sidewalk along Washington Avenue between Amelia and William Streets with a new brick sidewalk. The City typically converts approximately one block of concrete sidewalk in downtown to brick annually to enhance the attractiveness of the downtown area. This section of sidewalk is a prominent feature adjacent to the historic cemeteries.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Streets &amp; Sidewalks</b>	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 216,000
Historic Assets	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 216,000
<b>Source</b>	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 216,000
Transfer from General Fund	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 216,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Historic District Improvements**

<b>Department</b>	Public Works	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>Green, Clean Environment</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2023

**Project Description**

Many historic colonial street light poles in the downtown district on Caroline Street (500-800 block), William Street, and Sophia Street are structurally failing and pose a public safety hazard. Following on an engineering study from FY 2021, this project executes a construction contract to replace and upgrade the lights to a safe, energy-efficient replacement. The cost shown is for complete replacement of lights on approximately 12 city blocks.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Streets &amp; Sidewalks</b>	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>1,500,000</b>
Colonial Light Construction Contracts	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	1,500,000
Colonial Light Engineering Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
<b>Source</b>	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>1,500,000</b>
Debt Issuance	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	1,500,000
Transfer from General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
<b>Operating Impact</b>	\$ 20,500	\$ 122,300	\$ 122,300	\$ 122,300	\$ 122,300	\$ 122,300	<b>632,000</b>
Operating Impact - Debt	\$ 20,500	\$ 122,300	\$ 122,300	\$ 122,300	\$ 122,300	\$ 122,300	632,000
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

Debt service assumes a 15-year bond at 2.75%.

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**Neighborhood Enhancements**

<b>Department</b>	Public Works	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>Distinct And Linked Neighborhoods</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

City Council set a goal of establishing a Neighborhood Enhancement Program to enhance infrastructure in neighborhoods .

The Department of Public Works has been tasked with setting up and administering the program. Projects eligible for funding will include streetlights, sidewalks, signage and trees.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Streets &amp; Sidewalks</b>	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 250,000
Neighborhood Enhancements	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 250,000
<b>Source</b>	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 250,000
Transfer from General Fund	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 250,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Pedestrian Bridge Replacements**

**Department** Public Works **Project Type** Ongoing  
**City Council Vision** Public Services—The Backbone Of Our Community **Start Year** Active  
**Estimated Year of Completion** 2023

**Project Description**

The Public Works Department has instituted a pedestrian bridge inspection program. Based on the findings of those reports, the department identified major repair projects for the bridges along the Canal Path. The project is the complete replacement of current assets' superstructure.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Trails &amp; Parks</b>	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>1,000,000</b>
Gordon Sheldon Bridge/Rappahannock Canal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Nick Lopomo Bridge Rappahannock Canal	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	250,000
Normandy Bridge Rappahannock Canal 60'X8	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	250,000
Preliminary Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Quarry Foot Bridget (replacement)	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	250,000
Tom & Ruth Higgins Bridge 70' x 8'	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	250,000
<b>Source</b>	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>900,000</b>
Debt Issuance	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ -	900,000
Transfer from General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
<b>Operating Impact</b>	\$ 13,700	\$ 81,500	\$ 81,500	\$ 81,500	\$ 81,500	\$ 81,500	<b>421,200</b>
Operating Impact - Debt	\$ 13,700	\$ 81,500	\$ 81,500	\$ 81,500	\$ 81,500	\$ 81,500	421,200
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

Debt service assumes a 15-year bond at 2.75%.

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**Pond 'D' Improvements**

<b>Department</b>	Public Works	<b>Project Type</b>	One-Time
<b>City Council Vision</b>	<i>Green, Clean Environment</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2025

**Project Description**

'Pond D' is an existing flood control facility that impounds an unnamed tributary to Hazel Run between the Great Oaks subdivision at the end of Black Oak Court and the Police Station. The drainage area to the existing impoundment is approximately 700 acres and drains a large impervious section of Central Park. The existing basin was designed to abate downstream flooding on homes and properties. Water quality treatment was not a prominent design feature in this facility. Pond 'D' was targeted as a potential stormwater management best management practice (BMP) as part of the City's Chesapeake Bay Total Maximum Daily Load (TMDL) action planning to reduce Nitrogen (N), Phosphorus (P), and Sediment (TSS) from the Bay as required by the City's Municipal Separate Storm Sewer System (MS4) permit obligations. Under the permit structure, the City must meet 40% of its overall pollutant removal reductions by June 30, 2023. The City performed an analysis of Pond 'D' to assess viability of water quality enhancement/retrofit, pollutant removal potential, cost estimate, limiting site factors, and potential for state Stormwater Local Assistance Fund (SLAF) 50/50 matching grants based on competitive \$/lb. removal rates. The City concluded that Pond 'D' could best be retrofitted as a Level 1 or Level 2 Extended Detention Pond. Based on their projections the Level 1 design would achieve 100 lbs. Phosphorus reduction, or half the required reduction required, by June 30, 2023. An additional 100 lbs of Phosphorus reduction will be required by June 30, 2023 and is proposed to be accomplished by stream restoration. Phosphorus removal, \$12.9k/lb. and \$40K/lb. for stream restoration, the City is well-positioned below the SLAF threshold of \$49k/lb. Phosphorus recommended for grant funding and would seek 50% matching funds to complete these projects and achieve its 2023 TMDL goals and the City Council's Vision for a Green, Clean Environment.

Dam Safety: The Pond D dam/impoundment receives drainage from several hundred acres of developed and wooded lands. Regulatory changes have resulted in the facility speculatively qualifying as a High Hazard Dam. Upon designation as a High Hazard Dam the City has 2 years to improve the embankment to pass the prescribed rainfall event.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Stormwater Management</b>	<b>\$ 2,350,000</b>	<b>\$ 4,600,000</b>	<b>\$ 2,706,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,656,000</b>
Dam Repairs - Construction	\$ -	\$ -	\$ 706,000	\$ -	\$ -	\$ -	\$ 706,000
Dam Repairs - Design	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Pond 'D' Extended Detention Retrofit	\$ 1,750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000
Stream Restoration - Construction	\$ -	\$ 4,500,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 6,500,000
Stream Restoration - Design	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000
<b>Source</b>	<b>\$ 2,350,000</b>	<b>\$ 4,600,000</b>	<b>\$ 2,706,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,656,000</b>
Debt Issuance	\$ 1,075,000	\$ 2,250,000	\$ 1,706,000	\$ -	\$ -	\$ -	\$ 5,031,000
Transfer from General Fund	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Transfer from Stormwater Fund	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
VDEQ	\$ 1,175,000	\$ 2,250,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 4,425,000

**Pond 'D' Improvements**

Department City Council Vision	Public Works <i>Green, Clean Environment</i>						Project Type Start Year	One-Time Active 2025
	Estimated Year of Completion							
<b>Operating Impact</b>	\$ 36,100	\$ 141,600	\$ 304,200	\$ 367,200	\$ 367,200	\$ 367,200	\$ 1,583,500	
Operating Impact - Debt	\$ 16,100	\$ 126,600	\$ 294,200	\$ 362,200	\$ 362,200	\$ 362,200	\$ 1,523,500	
Operating Impact - Operations	\$ 20,000	\$ 15,000	\$ 10,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 60,000	
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

**Operating Impact**

Initial operating costs include replanting of wetland plants, and out years reflect annual maintenance costs. The FY2020 Budget raised the property tax rate by 1 cent - estimated at \$400,000 annually - to generate revenue to support stormwater infrastructure projects, which may be used to offset debt service. Debt service assumes 15 year financing at 2.75% in FY 2022 and FY 2023, and a final 15-year bond at 3% in FY 2024.

Dam Safety: PW and Finance Staff will coordinate a procurement process to secure appropriate design / build solution. Semi-annual, professionally endorsed dam inspections will be required every few years at an estimated cost of \$12,000.

**Public Works Rolling Stock Replacement**

<b>Department</b>	Public Works	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

The Public Works Department replaces aged, high maintenance vehicles each year to maintain and improve the City's fleet. The replacements include Class 7 dump trucks, leaf vacuum truck, a street sweeper, and a wheel loader. The vehicles are used for major road maintenance, debris removal, and during winter storm events. The street sweeper is an important component of maintaining the City's MS4 permit.

Future rolling stock replacements are shown with the assumption of cash purchase, as has been the City's practice in most years.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Rolling Stock Replacement</b>	\$ 204,000	\$ 285,000	\$ -	\$ -	\$ -	\$ -	<b>489,000</b>
1 Ton Utility Body with Crane	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	60,000
Asphalt Patch Truck	\$ -	\$ 225,000	\$ -	\$ -	\$ -	\$ -	225,000
Leaf Vacuum Truck	\$ 204,000	\$ -	\$ -	\$ -	\$ -	\$ -	204,000
<b>Source</b>	\$ 204,000	\$ 285,000	\$ -	\$ -	\$ -	\$ -	<b>489,000</b>
Debt Issuance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Transfer from General Fund	\$ 204,000	\$ 285,000	\$ -	\$ -	\$ -	\$ -	489,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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**VCR Trail Bridge over Hazel Run**

<b>Department</b>	Transportation	<b>Project Type</b>	One-Time
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2021

**Project Description**

The Virginia Central Railway (VCR) Trail extends from downtown Fredericksburg to a trailhead near the Idlewild neighborhood, a distance of 2.5 miles. This facility is a ten-foot wide, asphalt surfaced, multi-use trail that can be used in all weather. An additional 3/4 mile section of the old railway bed extends west, from the Idlewild trailhead, but is cut off from potential access by Hazel Run. This project will place a bridge across this waterway and open the western-most section of the old railway bed to recreational use. Historically, the railway extended from Fredericksburg westward for 30 miles to the Town of Orange. Fredericksburg is turning the VCR right-of-way within the City limits into a bicycle/pedestrian route, both for transportation and recreation. Similar efforts have occurred in Spotsylvania County on other sections of the VCR. The long term vision is to have a complete hiking/biking route from Fredericksburg to Orange, which would need to include a tunnel through the Interstate embankment or cross an eventually upgraded Harrison Road Crossing. In the meantime, the City intends to open the entire railway trail in this jurisdiction to public use.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Transportation</b>	\$ 305,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>305,000</b>
Construction	\$ 305,000	\$ -	\$ -	\$ -	\$ -	\$ -	305,000
Preliminary Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
<b>Source</b>	\$ 305,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>305,000</b>
Transfer from General Fund	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	20,000
VDOT - CMAQ	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	50,000
VDOT - RSTP	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	75,000
VDOT - Smart Scale	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ -	160,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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**Wheeled Refuse Carts**

<b>Department</b>	Public Works	<b>Project Type</b>	Periodic
<b>City Council Vision</b>	<i>Green, Clean Environment</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2025

**Project Description**

This is the phased replacement of the the 65 gallon roll-out carts used for both solid waste and recycling.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Refuse Disposal</b>	\$ -	\$ 201,000	\$ 201,000	\$ -	\$ -	\$ -	<b>402,000</b>
Wheeled Refuse Carts	\$ -	\$ 201,000	\$ 201,000	\$ -	\$ -	\$ -	402,000
<b>Source</b>	\$ -	\$ 201,000	\$ 201,000	\$ -	\$ -	\$ -	<b>402,000</b>
Transfer from General Fund	\$ -	\$ 201,000	\$ 201,000	\$ -	\$ -	\$ -	402,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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## WATER SYSTEM IMPROVEMENT FUND (FUND 303)

### Sources

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Debt Issuance	\$ 1,402,800	\$ 4,143,400	\$ 7,254,300	\$ -	\$ -	\$ -
Enterprise	\$ 4,650,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 800,000	\$ 900,000
<b>Grand Total</b>	<b>\$ 6,052,800</b>	<b>\$ 4,593,400</b>	<b>\$ 7,704,300</b>	<b>\$ 450,000</b>	<b>\$ 800,000</b>	<b>\$ 900,000</b>

### Uses

Estimates presented for major projects in the Water System Improvement Fund are placeholder values only and subject to change. The Motts Run Water Plant Expansion project is current in negotiations and is anticipated to change. **Values presented for Motts Run Water Plant Expansion are prior years' planning estimates only.**

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
<b>College Heights Water Line</b>						
Replacement (Phase II)	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ 450,000
Internal System Improvements	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000
Motts Run Water Plant Expansion	\$ 1,402,800	\$ 4,143,400	\$ 7,254,300	\$ -	\$ -	\$ -
<b>Pressure Release Valve</b>						
Replacement / Rehab	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Telegraph Hill Loop	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -
Water Meter Replacement	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 6,052,800</b>	<b>\$ 4,593,400</b>	<b>\$ 7,704,300</b>	<b>\$ 450,000</b>	<b>\$ 800,000</b>	<b>\$ 900,000</b>

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**College Heights Water Line Replacement (Phase II)**

<b>Department</b>	Water	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2028

**Project Description**

The City of Fredericksburg has been working in the College Heights neighborhood to replace aging lines. In addition, a second water tap has been provided to the main transmission line along Jefferson Davis Highway.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ 450,000	\$ 800,000
Construction	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ 450,000	\$ 800,000
<b>Source</b>	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ 450,000	\$ 800,000
System Revenues	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ 450,000	\$ 800,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Internal System Improvements**

<b>Department</b>	Water	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

The City maintains contingency funding in the Water Fund and in the Wastewater Fund for small line replacements or additions that may arise throughout the course of the year. Although the City has invested heavily in line replacements and a good portion of the system is newly constructed, there are many sections of the City that are served with water and wastewater lines that are significantly older and nearing the end of their useful life.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,100,000
Construction	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,100,000
<b>Source</b>	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,100,000
System Revenues	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,100,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Motts Run Water Plant Expansion**

<b>Department</b>	Water	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	Public Services—The Backbone Of Our Community	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2024

**Project Description**

The City of Fredericksburg and Spotsylvania County jointly provide the capital for the Motts Run Water Plant. The facility requires expansion. Initial engineering was funded in FY 2019, with construction proposed to begin in FY 2023. The cost represents the City's share of a project managed by Spotsylvania County. The Motts Run Water Plant Expansion project is current in negotiations and is anticipated to change. **Values presented for this project are prior years' planning estimates only.**

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ 1,402,800	\$ 4,143,400	\$ 7,254,300	\$ -	\$ -	\$ -	\$ 12,800,500
Construction	\$ 1,402,800	\$ 4,143,400	\$ 7,254,300	\$ -	\$ -	\$ -	\$ 12,800,500
Preliminary Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Source</b>	\$ 1,402,800	\$ 4,143,400	\$ 7,254,300	\$ -	\$ -	\$ -	\$ 12,800,500
Debt Issuance	\$ 1,402,800	\$ 4,143,400	\$ 7,254,300	\$ -	\$ -	\$ -	\$ 12,800,500
System Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Operating Impact</b>	\$ 19,200	\$ 148,100	\$ 469,600	\$ 845,000	\$ 845,000	\$ 845,000	\$ 3,171,900
Operating Impact - Debt	\$ 19,200	\$ 148,100	\$ 469,600	\$ 845,000	\$ 845,000	\$ 845,000	\$ 3,171,900
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

Debt service assumes a 15-year bond at 2.75% in FY 2022, a second 20-year bond at 2.75% in FY 2023, and a third and final 20-year bond at 3.0% in FY 2024.

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**Pressure Release Valve Replacement / Rehab**

<b>Department</b>	Water	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

The City water system is divided into several pressure zones. The Department of Public Works utilizes a number of automatic Pressure Relief Valves to adjust and maintain water pressure in the various pressure zones. The current valves will be nearing the end of their useful lives and will need to be replaced or rehabilitated in the coming years.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
Project Costs	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
<b>Source</b>	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
System Revenues	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Telegraph Hill Loop**

<b>Department</b>	Water	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2022

**Project Description**

The proposed Telegraph Hill housing development, located near the Lafayette Blvd and Blue Gray Parkway interchange, will be supplied with water from the main on Lafayette Blvd. The water main on Greenbrier Dr. will be extended to provide an additional water supply.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>200,000</b>
Project Costs	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	200,000
<b>Source</b>	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>200,000</b>
System Revenues	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	200,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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## Water Meter Replacement

<b>Department</b>	Water	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2022

**Project Description**

The company which supplies the water meters used by the City has announced that they will be discontinuing product support for the water meter models currently in use. The newer models will provide more efficient metering and service and will allow remote reading of water meters. This citywide upgrade will replace approximately 8,000 thousand meters.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>4,000,000</b>
Project Costs	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	4,000,000
<b>Source</b>	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>4,000,000</b>
Debt Issuance	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	4,000,000
<b>Operating Impact</b>	\$ 54,700	\$ 499,100	\$ 499,100	\$ 499,100	\$ 499,100	\$ 499,100	<b>2,550,200</b>
Operating Impact - Debt	\$ 54,700	\$ 458,100	\$ 458,100	\$ 458,100	\$ 458,100	\$ 458,100	2,345,200
Operating Impact - Operations	\$ -	\$ 84,000	\$ 84,000	\$ 84,000	\$ 84,000	\$ 84,000	420,000
Operating Impact - Personnel	\$ -	\$ (18,000)	\$ (18,000)	\$ (18,000)	\$ (18,000)	\$ (18,000)	(90,000)
Operating Impact - Savings	\$ -	\$ (25,000)	\$ (25,000)	\$ (25,000)	\$ (25,000)	\$ (25,000)	(125,000)

**Operating Impact**

Replacement of the City's water meters will have numerous operating impacts. In the Operations line, the annual contract cost for the new meter system will be \$90,000, offset by anticipated annual savings of \$6,000 from reduced fuel use, mileage, and wear and tear on Public Works vehicles currently used to travel to read and check meters.

Personnel cost savings are anticipated as \$18,000 annually due to fewer field staff hours needed to read meters. Additional savings not estimated here may eventually result from reduced in-office workflow operations, i.e., billing data preparation/manipulation, which currently takes 7-10 days depending on the work orders.

Finally, savings from improved billing collections resulting from greater water meter accuracy could range from \$10,000 to \$100,000 a year; a \$25,000 estimate is provided as a conservative placeholder.

Debt service assumes a 10-year bond at 2.75%.

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## WASTEWATER SYSTEM IMPROVEMENT FUND (FUND 303)

### Sources

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Debt Issuance	\$ 15,000,000	\$ 2,000,000	\$ 55,600,000	\$ -	\$ -	\$ -
Enterprise	\$ 1,185,000	\$ 590,000	\$ 1,090,000	\$ 590,000	\$ 590,000	\$ 590,000
WQIF	\$ -	\$ -	\$ 22,000,000	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 16,185,000</b>	<b>\$ 2,590,000</b>	<b>\$ 78,690,000</b>	<b>\$ 590,000</b>	<b>\$ 590,000</b>	<b>\$ 590,000</b>

### Uses

Estimates presented for major projects in the Wastewater System Improvement Fund are placeholder values only and subject to change. The Wastewater Treatment Plant Upgrade and Consolidation project is current in negotiations and is anticipated to change, and capital maintenance needs for existing City wastewater facilities may change as a result of those negotiations. **Values for WWTP upgrade and consolidation are planning estimates only.**

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
NPS / Farrell Lane Line Replacement	\$ 125,000	\$ 2,000,000	\$ 600,000	\$ -	\$ -	\$ -
Princess Anne (Upper) Sewer Replacement	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -
Sewer System Improvements	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000
Wastewater Treatment Plant (WWTP) Capital Maintenance	\$ 660,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 190,000
Wastewater Treatment Plant Upgrade & Consolidation	\$ 15,000,000	\$ -	\$ 55,000,000	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 16,185,000</b>	<b>\$ 2,590,000</b>	<b>\$ 56,690,000</b>	<b>\$ 590,000</b>	<b>\$ 590,000</b>	<b>\$ 590,000</b>

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**NPS / Farrell Lane Line Replacement**

<b>Department</b>	Wastewater	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2024

**Project Description**

The City owns and maintains a gravity flow sanitary sewer line located on National Park Service property east of Lafayette Boulevard. This line flows north approximately parallel to Lafayette Boulevard from the south City limits toward and eventually into the Hazel Run Interceptor Sewer near the Blue and Gray Parkway.

This line is aged and needs to be replaced. The funds will be used to perform initial due diligence work associated with determining a schedule, scope and cost for obtaining the various permits that will be needed to replace the line. Permits may be required from the National Park Service, the Virginia Department of Historic Resources, Virginia Department of Environmental Quality, the US Army Corps of Engineers or other agencies with jurisdiction over any aspect of the project. Additional work will consist of topographic and alignment survey and preliminary and final project design. The design and preliminary work was funded in FY 2019. The estimate may be revised as design progresses.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ 125,000	\$ 2,000,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 2,725,000
Construction	\$ -	\$ 2,000,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 2,600,000
Preliminary Design & Permitting	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
<b>Source</b>	\$ 125,000	\$ 2,000,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 2,725,000
Debt Issuance	\$ -	\$ 2,000,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 2,600,000
System Revenues	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
<b>Operating Impact</b>	\$ -	\$ 27,400	\$ 139,300	\$ 170,300	\$ 170,300	\$ 170,300	\$ 677,600
Operating Impact - Debt	\$ -	\$ 27,400	\$ 139,300	\$ 170,300	\$ 170,300	\$ 170,300	\$ 677,600
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

Debt service assumes a 20-year bond at 2.75% in FY 2023 and a 20-year bond at 3.0% in FY 2024.

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**Princess Anne (Upper) Sewer Replacement**

<b>Department</b>	Wastewater	<b>Project Type</b>	New
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2024

**Project Description**

The sewer serving the upper Princess Anne area is approaching the end of its useful life and will require replacement or rehabilitation in the next few years.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000
Project Costs	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000
<b>Source</b>	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000
System Revenues	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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## Sewer System Improvements

<b>Department</b>	Wastewater	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

Reduction in collection system inflow and infiltration (I&I) is required under the VPDES permit. Collection system repairs and upgrades are an ongoing capital expense required to keep the system properly operating, including replacement of sewage pumps as they reach the end of their useful life.

The City maintains financial capacity in the Wastewater Fund for small line replacements or additions and pump station upgrades that may arise throughout the course of the year. Although the City has invested heavily in line replacements and a good portion of the system is newly constructed, there are many sections of the City that are served with wastewater lines and pump stations (including grinders) that are significantly older and nearing the end of their useful life.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000
Inflow & Infiltration Abatements	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,800,000
Pump Station Upgrades	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
<b>Source</b>	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000
System Revenues	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Wastewater Treatment Plant (WWTP) Capital Maintenance**

<b>Department</b>	Wastewater	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	Public Services—The Backbone Of Our Community	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

Periodic capital maintenance projects are required to keep the wastewater treatment plant (WWTP) running efficiently. Funds will be used to perform scheduled capital maintenance and for major capital projects that are identified as needs arise. These replacements are important not only to keep the plant running efficiently, but also to maintain compliance with the City’s permit from the Commonwealth’s Department of Environmental Quality (DEQ). Maintenance projects include replacement of the SCADA system which is the networked computer data monitoring system, annual pump replacements, relining of an effluent tank, replacement of grit separators and repair the emergency electrical system.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ 660,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 1,610,000
WWTP Effluent Tank Relining	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WWTP Emergency Electric System	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WWTP Grit Separators	\$ 120,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000
WWTP Influent Building Upgrade	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
WWTP Oxidation Ditch Renovation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WWTP Pump Replacement	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 840,000
WWTP Relamp UV lights (disinfectant)	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000
<b>Source</b>	\$ 660,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 1,610,000
System Revenues	\$ 660,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 1,610,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Wastewater Treatment Plant Upgrade & Consolidation**

<b>Department</b>	Wastewater	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2025

**Project Description**

At the present time there are three sewage treatment plants discharging into the Rappahannock River within 3 miles, namely the City's WWTP as well as two in Spotsylvania County (the FMC plant and the Massaponax WWTP.) The City plant is in need of rehabilitation and requires upgrading. The City and the County Utility Staffs jointly contracted an analysis of long range sewer treatment needs. The Consultants looked at several alternatives including consolidation of the three facilities and continued operation of the three plants.

This is an ongoing discussion and must be approved by both the Fredericksburg City Council and the Spotsylvania Board of Supervisors. The project is currently in negotiations and is anticipated to change. **Values presented here are planning estimates only.**

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ 15,000,000	\$ -	\$ 55,000,000	\$ -	\$ -	\$ -	\$ 70,000,000
Massaponax Expansion/Consolidation	\$ 15,000,000	\$ -	\$ 55,000,000	\$ -	\$ -	\$ -	\$ 70,000,000
<b>Source</b>	\$ 15,000,000	\$ -	\$ 77,000,000	\$ -	\$ -	\$ -	\$ 92,000,000
Debt Issuance	\$ 15,000,000	\$ -	\$ 55,000,000	\$ -	\$ -	\$ -	\$ 70,000,000
Water Quality Improvement Fund	\$ -	\$ -	\$ 22,000,000	\$ -	\$ -	\$ -	\$ 22,000,000
<b>Operating Impact</b>	\$ 205,100	\$ 737,000	\$ 1,558,000	\$ 3,526,000	\$ 3,526,000	\$ 3,526,000	\$ 13,078,100
Operating Impact - Debt	\$ 205,100	\$ 737,000	\$ 1,558,000	\$ 3,526,000	\$ 3,526,000	\$ 3,526,000	\$ 13,078,100
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

Debt service assumes a 30-year bond at 2.75% in both FY 2022 and FY 2023, and a third and final 30-year bond at 3.0% in FY 2024.

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PUBLIC FACILITIES CAPITAL FUND (FUND 305)

Sources

		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
General Fund Transfer	\$	825,437	\$ 2,253,831	\$ 4,055,978	\$ 1,575,000	\$ 1,315,000	\$ 1,000,000
Debt Issuance	\$	600,000	\$ -	\$ -	\$ -	\$ -	\$ -
Fund Balance	\$	150,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$	15,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -
Private Donation	\$	-	\$ 70,000	\$ -	\$ -	\$ -	\$ -
Proffer	\$	35,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -
VDOT Share of Local Project	\$	685,000	\$ 565,000	\$ -	\$ -	\$ 20,000	\$ 180,000
<b>Grand Total</b>	<b>\$</b>	<b>2,310,437</b>	<b>\$3,058,831</b>	<b>\$4,055,978</b>	<b>\$1,575,000</b>	<b>\$1,335,000</b>	<b>\$1,180,000</b>

## Uses

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
ADA Renovations	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ -
Alum Springs Park Improvements	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -
Bankside Trail	\$ 685,000	\$ 565,000	\$ -	\$ -	\$ -	\$ -
Canal Street Wharf	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 180,000
City Hall Renovation	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -
City Shop Improvements	\$ 600,000	\$ 153,800	\$ -	\$ -	\$ -	\$ -
CP&B - Comprehensive Plan Update	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -
CP&B - Planning Area Updates	\$ 150,000	\$ 150,000	\$ 200,000	\$ -	\$ -	\$ -
Cybersecurity	\$ 91,000	\$ -	\$ -	\$ -	\$ -	\$ -
Downman House	\$ 50,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -
Energy Retrofit Initiatives	\$ 200,000	\$ 500,000	\$ 500,000	\$ 750,000	\$ 750,000	\$ 750,000
Enterprise Resource Planning - Additional Mod	\$ 63,250	\$ 88,400	\$ 21,600	\$ -	\$ -	\$ -
Executive Center Plaza - Electrical Upgrades	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -
Facility Security	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -
Fiber Network Expansion	\$ 47,500	\$ 239,420	\$ 75,878	\$ -	\$ -	\$ -
IT Disaster Resilience Plan Implementation	\$ 67,095	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -
Memorial Park Improvements	\$ -	\$ -	\$ 290,000	\$ -	\$ -	\$ -
Motts Run Reservoir Recreational Area	\$ -	\$ 60,000	\$ 115,000	\$ -	\$ 290,000	\$ -
Old Mill Park Improvements	\$ -	\$ 60,000	\$ 178,500	\$ 30,000	\$ -	\$ -
Parks - Mobile Stage	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -
PRE Capital Maintenance, Repairs, & Renovatio	\$ -	\$ 215,000	\$ 100,000	\$ 795,000	\$ 100,000	\$ 190,000
Public Safety IT System Replacement	\$ -	\$ 75,000	\$ 2,425,000	\$ -	\$ -	\$ -
Technology Replacements	\$ 231,592	\$ 142,211	\$ -	\$ -	\$ -	\$ -
Wild Riverfront Park	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000
<b>Grand Total</b>	<b>\$ 2,310,437</b>	<b>\$ 3,058,831</b>	<b>\$ 4,305,978</b>	<b>\$ 1,575,000</b>	<b>\$ 1,335,000</b>	<b>\$ 1,180,000</b>

**ADA Renovations**

<b>Department</b>	Public Facilities	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2026

**Project Description**

This project consolidates several projects intended to increase the City's overall compliance with ADA accessibility standards.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Facility Renovation</b>	\$ -	\$ -	\$ -	\$ -	<b>175,000</b>	\$ -	<b>175,000</b>
Bass Ellison - Staff Restroom	\$ -	\$ -	\$ -	\$ -	60,000	\$ -	60,000
City Hall - Restroom	\$ -	\$ -	\$ -	\$ -	80,000	\$ -	80,000
Dorothy Hart - Bathroom	\$ -	\$ -	\$ -	\$ -	35,000	\$ -	35,000
<b>Source</b>	\$ -	\$ -	\$ -	\$ -	<b>175,000</b>	\$ -	<b>175,000</b>
Transfer from General Fund	\$ -	\$ -	\$ -	\$ -	175,000	\$ -	175,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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## Alum Springs Park Improvements

<b>Department</b>	Parks, Recreation & Events	<b>Project Type</b>	One-Time
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2023

**Project Description**

Alum Spring Park Improvements have been in the CIP for years for a vehicular bridge over the ford into the park. That approach has been abandoned. Instead a concept plan is requested that would explore the possibility of bringing vehicles in from Route 1 and adding a parking lot, welcome center, and pedestrian bridge across Hazel Run from the new entrance, with the possibility of leaving the ford for pedestrain and bike access. Existing trails within the park would be maintained as much as possible and even enhanced with cultural interpretive stations highlighting areas of the trail.

Renovation of the interior of the park storage building to develop usable classroom space in the park to serve both existing programs when threatened with weather as well as to develop new programs will also be considered.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	<b>60,000</b>
Concept Plan	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	60,000
<b>Source</b>	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	<b>60,000</b>
Debt Issuance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Transfer from General Fund	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	60,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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**Bankside Trail**

<b>Department</b>	Community Development & Planning	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2024

**Project Description**

The Area 7 Downtown Small Area Plan includes a Bankside Trail that is proposed to extend from just north of Amelia Street all the way to Frederick Street along the Rappahannock River. The Bankside Trail would be constructed in phases. Phase I would extend from just north of Amelia Street to the Riverfront Park.

Several cost sharing opportunities are being explored for this trail. The construction under Chatham Bridge includes materials, namely tons of stone, that may be repurposed for use on the trail. Also, some property owners along the trail have expressed interest in partnering with the City to ensure the trail's development. Significant project support is being requested from VDOT's Transportation Alternatives Program (TAP).

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Expenditure</b>	\$ 685,000	\$ 565,000	\$ -	\$ -	\$ -	\$ -	<b>1,250,000</b>
Construction	\$ 565,000	\$ 565,000	\$ -	\$ -	\$ -	\$ -	1,130,000
Design / Engineering	\$ 120,000	\$ -	\$ -	\$ -	\$ -	\$ -	120,000
<b>Source</b>	\$ 685,000	\$ 565,000	\$ -	\$ -	\$ -	\$ -	<b>1,250,000</b>
Transfer from General Fund	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	100,000
Private Donations	\$ 137,000	\$ 113,000	\$ -	\$ -	\$ -	\$ -	250,000
VDOT - TAP	\$ 498,000	\$ 402,000	\$ -	\$ -	\$ -	\$ -	900,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

Once complete, Phase I of the Bankside trail will require the Parks and Recreation Department to maintain the trail.

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### Canal Street Wharf

<b>Department</b>	Community Development & Planning	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2028

**Project Description**

The Canal Street right-of-way extending from Caroline Street to the Rappahannock River was the site of the historic Debaptiste Wharf. The Area 7 Downtown Small Area Plan identified this right-of-way as an accessway to the river, with public art and historic interpretation. These elements will become a destination / trail head along the Bicycle Boulevard planned to connect the existing Heritage Trail to the Bankside Trail. Work on the Canal Street Wharf will occur in three phases:

Work will proceed in several phases:

FY 2026 - Install first phase historic interpretation and utilize staff time to obtain site plan permits for other improvements.

FY 2027 - Construct stone walkways, water access, and fencing. Pursue partnerships with Friends of the Rappahannock, the Boy Scouts, or other organizations.

FY 2028 - Construct a trailhead with public art and historical interpretation in conjunction with the implementation of the bicycle boulevard connecting the Bankside Trail to the Heritage Trail. **Stormwater issues must be addressed and grants must be sought to advance this project.**

The VDOT-TAP funds identified here are associated with the implementation of the Bicycle Boulevard connecting the Heritage and Bankside Trails.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Expenditure</b>	\$ -	\$ -	\$ -	\$ -	20,000	180,000	200,000
Construction	\$ -	\$ -	\$ -	\$ -	20,000	180,000	200,000
Design / Engineering	\$ -	\$ -	\$ -	\$ -	-	-	-
<b>Source</b>	\$ -	\$ -	\$ -	\$ -	20,000	180,000	200,000
Transfer from General Fund	\$ -	\$ -	\$ -	\$ -	20,000	-	20,000
VDOT - TAP	\$ -	\$ -	\$ -	\$ -	-	180,000	180,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

Once complete, the Parks and Recreation Department and Public Works Department will need to maintain the Canal Street Wharf.

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**City Hall Renovation**

**Department** Public Facilities **Project Type** Updated  
**City Council Vision** Public Services—The Backbone Of Our Community **Start Year** Active  
**Estimated Year of Completion** 2024

**Project Description**

Various improvements have been identified for City Hall. In FY 2020, the lower level restrooms were refurbished to enhance ADA accessibility, and one of the three roofs was replaced.

Additional future improvements include mechanical equipment renovation, and interior renovations and signage.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Facility Renovation</b>	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
Mechanical Renovations	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
Roof Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Source</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer from General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**CP&B - Comprehensive Plan Update**

<b>Department</b>	Community Development & Planning	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2023

**Project Description**

On-going planning work occurs at three levels. The City’s Comprehensive Plan will need to be updated with Census 2020 and other information and should evolve to a more accessible digital format.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Project Implementation</b>	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	<b>150,000</b>
Comprehensive Plan Update	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	150,000
<b>Source</b>	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	<b>150,000</b>
Transfer from General Fund	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	150,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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**CP&B - Planning Area Updates**

<b>Department</b>	Community Development & Planning	<b>Project Type</b>	Periodic
<b>City Council Vision</b>	<i>Distinct And Linked Neighborhoods</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2024

**Project Description**

The 2015 Comprehensive Plan provides for 10 Small Area Plans. These plans will identify the strengths and weaknesses in planning policy and land use regulation for each planning area. The new small area plans will incrementally establish a new General Land Use Plan Map. The small area plans will result in revised land use regulations based on 21st century planning concepts, including form based codes, and will foster all areas of the City to become walkable urban places with "complete streets" accommodating multiple forms of transportation.

Three Small Area Plans (Areas 3 Plank Road / Route 3, Area 6 Princess Anne Street / Route 1 North, Area 7 Downtown) have been adopted into the Comprehensive Plan. The Area 2 Fall Hill Small Area Plan is currently going through the public hearing process. The Area 1 Celebrate Virginia / Central Park consultant report has been received and the Small Area Plan is currently under development. Remaining expenditures for these Area Plans will include traffic studies and other engineering necessary to implement planning level concepts in the plans.

The next round of Small Area Plan work will focus on Areas 10 Lafayette Boulevard / Route 1, 8 Dixon Street / Mayfield, and 5 University / Route 1. The bulk of the proposed funds will be used for consultant services that will include public outreach including potential site specific charrettes or other public meetings, tailored market information for each planning area, identifying the economic potential for residential, commercial, and / or industrial uses in each planning area. The consultants will also provide urban design / land use analysis to develop policies resulting in form based codes or other land use regulations as well as an identification of necessary infrastructure or other capital improvements needed to implement the Small Area Plans. The goal is to develop plans as follows:

- Area 10 Lafayette Boulevard / Route 1 -- Initiate in FY 2022
- Area 8 Dixon Street / Mayfield -- Initiate in FY 2022
- Area 5 University / Route 1 -- Initiate in FY 2023

A second set of funding will be for the final two Area Plans, Area 4 Hospital / Cowan Boulevard and Area 9 Braehead / National Park (focused on the Belman Road Industrial Park). These funds will be used for consultant services that will include a public outreach including potential site specific charrettes or other public meetings, focused market analysis based on the economic clusters in these areas, with accompanying land use / urban design and infrastructure analysis.

- Area 4 Hospital -- Initiate in FY 2023
- Area 9 Braehead / Industrial Park -- Initiate in FY 2024

**CP&B - Planning Area Updates**

<b>Department</b>	Community Development & Planning	<b>Project Type</b>	Periodic
<b>City Council Vision</b>	<i>Distinct And Linked Neighborhoods</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2024

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Project Implementation</b>	\$ 150,000	\$ 150,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 500,000
Area 10 Lafayette Blvd. / Route 1	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Area 4 Hospital / Cowan Blvd.	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000
Area 5 University / Route 1	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Area 8 Dixon Street / Mayfield	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Area 9 Braehead / National Park	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000
<b>Source</b>	\$ 13,700	\$ 81,500	\$ 81,500	\$ -	\$ -	\$ -	\$ 176,700
Transfer from General Fund	\$ 13,700	\$ 81,500	\$ 81,500	\$ -	\$ -	\$ -	\$ 176,700
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

These planning efforts will identify future CIP projects as well as policy and ordinance changes to implement the plan's recommendations. Engineering recommendations will be developed to direct public improvements for complete streets that allow for a diversity of transport modes and that are appropriately scaled for the current character of the neighborhood, as well as the overall road network. Engineering work will also address water/sewer issues and stormwater issues as needed.

**Cybersecurity**

<b>Department</b>	Information Technology	<b>Project Type</b>	New
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	TBD

**Project Description**

This project will advance the City's cybersecurity capabilities through a variety of improvement to the City's hardware and software systems. Confidential details are stored separately.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Project Implementation</b>	\$ 91,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>91,000</b>
Project Implementation	\$ 91,000	\$ -	\$ -	\$ -	\$ -	\$ -	91,000
<b>Source</b>	\$ 91,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>91,000</b>
Transfer from General Fund	\$ 91,000	\$ -	\$ -	\$ -	\$ -	\$ -	91,000
<b>Operating Impact</b>	\$ 47,800	\$ 47,800	\$ 47,800	\$ 47,800	\$ 47,800	\$ -	<b>239,000</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ 47,800	\$ 47,800	\$ 47,800	\$ 47,800	\$ 47,800	\$ -	239,000
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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**Downman House**

<b>Department</b>	Community Development & Planning	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2024

**Project Description**

The Area 3 Plank road / Route 3 Small Area Plan included a concept to finalize the stabilization and enhance the grounds of the historic Downman House. The goal is to have Downman House tied into the existing recreational trail system to open up its visibility to the public. The Idlewild rezoning included proffered funds to complete this work. The proffer funds must be spent by 2023.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Expenditure</b>	\$ 50,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	<b>200,000</b>
Construction	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	150,000
Design / Engineering	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	50,000
<b>Source</b>	\$ 50,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	<b>200,000</b>
Proffer	\$ 35,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	185,000
Technical Assistance Grant	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ -	15,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

Once complete, the Parks and Recreation Department will need to maintain the trails and the Downman House site.

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## Energy Retrofit Initiatives

<b>Department</b>	Public Facilities	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	Green, Clean Environment	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2027

**Project Description**

There is an ongoing effort to reduce our carbon footprint and move more toward sustainable energy methods. City Council has adopted a Green Energy initiative with the goal of being carbon-free to be completed by 2035. Technology continues to advance in the area of energy efficiency and sustainable initiatives. At this time, the City along with the Fredericksburg City Public Schools, is embarking on a back on the envelope RFQ to allow companies to provide to us their ideas for these initiatives. Initially, this could mean more efficient equipment in our buildings and/or solar generation of electricity to reduce our operating costs. Long term this could mean replacing fossil fuels in our vehicles and heating and cooling of our buildings. There has been some discussion about a solar farm at the old landfill and/or at the future de-commissioned Wastewater Treatment Plant.

Preliminary project possibilities include initial investments in PD and DHCC in FY 2022; work at Central Rappahannock Regional Library in FY 2023; work at City Hall and installation of electric charging stations in FY 2024; work at Bass Ellison and first phase of a solar farm location at old landfill in FY 2025; the second phase of a solar farm at old landfill and first phase of solar farm at de-commissioned Wastewater Plant in FY 2026; and the final phase of a solar farm at de-commissioned Wastewater Plant in FY 2027. The table below offers placeholder estimates representing these types of projects.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Improvements</b>	\$ 200,000	\$ 500,000	\$ 500,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,450,000
Energy Retrofit Initiatives	\$ 200,000	\$ 500,000	\$ 500,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,450,000
<b>Source</b>	\$ 200,000	\$ 500,000	\$ 500,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,450,000
Transfer from General Fund	\$ 200,000	\$ 500,000	\$ 500,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,450,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

There is potential to greatly reduce the cost of our utilities in the short term and elimination of utility costs in the future. Heating and cooling our buildings along with heating of domestic water are among the greatest contributors to our utility costs. With the proper infrastructure, going forward we could reduce the cost of and the use of fossil fuels in our motor vehicles and equipment. As the City moves toward more sustainable energy it is anticipated to spend \$3.5M on this initiative over the next six years.

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**Enterprise Resource Planning - Additional Modules**

<b>Department</b>	Information Technology	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2023

**Project Description**

This is an update to an ongoing project that is replacing remaining software functionality that resides on the AS400 legacy platform. Financial Management (Finance) has already been replaced, and Payroll & Human Resources was implemented in January 2021. Remaining modules for implementation include: Tax Assessment (Commissioner of the Revenue), Billing, Collection and Cashiering (Treasurer), web services for Citizens and Businesses, Utility Management, Computer Aided Mass Appraisal (CAMA) and Community Development (Planning and Building & Development).

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Project Implementation</b>	\$ 63,250	\$ 88,400	\$ 21,600	\$ -	\$ -	\$ -	\$ 173,250
Contingency	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Contract Management Module	\$ -	\$ 15,400	\$ -	\$ -	\$ -	\$ -	\$ 15,400
HR Recruiting Module	\$ -	\$ 22,300	\$ -	\$ -	\$ -	\$ -	\$ 22,300
Parking Tickets Module	\$ -	\$ 19,700	\$ -	\$ -	\$ -	\$ -	\$ 19,700
Post Go Live Training Days (Phases 2, 3, 4, 5)	\$ 28,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,000
Scanners (5)	\$ 5,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,250
Transparency - Open Data Finance	\$ -	\$ -	\$ 21,600	\$ -	\$ -	\$ -	\$ 21,600
Tyler 311 - Incident Management Module	\$ -	\$ 31,000	\$ -	\$ -	\$ -	\$ -	\$ 31,000
<b>Source</b>	\$ 63,250	\$ 88,400	\$ 21,600	\$ -	\$ -	\$ -	\$ 173,250
Transfer from General Fund	\$ 63,250	\$ 88,400	\$ 21,600	\$ -	\$ -	\$ -	\$ 173,250
<b>Operating Impact</b>	\$ -	\$ 25,011	\$ 25,011	\$ 25,011	\$ 25,011	\$ 25,011	\$ 125,055
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ 25,011	\$ 25,011	\$ 25,011	\$ 25,011	\$ 25,011	\$ 125,055
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Executive Center Plaza - Electrical Upgrades**

<b>Department</b>	Public Facilities	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Employment Epicenter</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2022

**Project Description**

Funds will be used to evaluate and update the electrical systems at the Executive Plaza. The number is a placeholder and may be revised.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Facility Renovation</b>	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>125,000</b>
Electrical Upgrades	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	125,000
<b>Source</b>	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>125,000</b>
Transfer from General Fund	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	125,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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**Fiber Network Expansion**

<b>Department</b>	Information Technology	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2025

**Project Description**

Fiber Co-location/Empty Conduit Fund: Each year, a number of construction projects are underway either by the City’s Public Works Department or by contractors and businesses working within the City limits. The City will expand our fiber network or lay empty conduit for future use as opportunities arise to further City Council's One Dig Initiative.

Fiber Network Expansion: Funding is requested to extend the City’s fiber network to Dixon Park Maintenance, the Wastewater Plant, and the City Shop. The project also extends the

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Infrastructure</b>	\$ 47,500	\$ 239,420	\$ 75,878	\$ -	\$ -	\$ -	\$ 362,798
Fiber Co-location/Empty Conduit Fund	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Public WiFi	\$ -	\$ -	\$ 75,878	\$ -	\$ -	\$ -	\$ 75,878
Redundant Path Learning Lane to PD	\$ -	\$ 189,420	\$ -	\$ -	\$ -	\$ -	\$ 189,420
Riverfront Park	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wastewater/Dixon Park	\$ 47,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,500
<b>Source</b>	\$ 47,500	\$ 239,420	\$ 75,878	\$ -	\$ -	\$ -	\$ 362,798
Transfer from General Fund	\$ 47,500	\$ 239,420	\$ 75,878	\$ -	\$ -	\$ -	\$ 362,798
<b>Operating Impact</b>	\$ -	\$ (4,772)	\$ (4,772)	\$ (1,712)	\$ (1,712)	\$ (1,712)	\$ (14,680)
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ 3,060	\$ 3,060	\$ 3,060	\$ 9,180
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ (4,772)	\$ (4,772)	\$ (4,772)	\$ (4,772)	\$ (4,772)	\$ (23,860)

**Operating Impact**

Additional operating costs are associated with Public WiFi. Operating savings result from the elimination (or avoidance) of third party communication lines within the Dixon/WW Fiber Co-Location project.

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**IT Disaster Resilience Plan Implementation**

<b>Department</b>	Information Technology	<b>Project Type</b>	Updated
<b>City Council Vision</b>	Public Services—The Backbone Of Our Community	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2023

**Project Description**

Public Safety Internet Service Upgrade: The internet speed at the Police department is currently at 100 Mbps, and needs to be upgraded to keep up with new and existing bandwidth demands presented to the network such as new HD Axon body cameras, cloud based backups, and other cloud services.

Regional Dispatch from Stafford: The implementation of dispatch capabilities from Stafford will enable the City to continue its public safety support and self dispatching in the event that the Police Department at 2200 Cowan Blvd is compromised and must be evacuated. Enhanced by the ability to route our 911 calls to Stafford and our CAD system being replicated to City Hall thus being accessible from Stafford 911 console positions. The cost for this phase will be \$15,000 for the first year covering the hardware, services, and installation followed by an estimated \$2,000 per year recurring to cover our own internet line and maintenance on the hardware at Stafford.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Project Implementation</b>	\$ 67,095	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ 367,095
City Hall Server Room Clean Agent & Renovations	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Courthouse Server Room	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000
ERP Disaster Resilience	\$ 52,095	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,095
Public Safety DMZ Host	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Regional Dispatch from Stafford	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000
<b>Source</b>	\$ 67,095	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ 367,095
Transfer from General Fund	\$ 67,095	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ 367,095
<b>Operating Impact</b>	\$ 4,832	\$ 4,832	\$ 4,832	\$ 4,832	\$ 4,832	\$ -	\$ 24,160
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ 4,832	\$ 4,832	\$ 4,832	\$ 4,832	\$ 4,832	\$ -	\$ 24,160
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

Backup Solution is currently due for replacement; costs to move to the cloud reduces operating costs slightly each year from current annual expense of \$21,100. Current internet costs of \$21,816 per year will be replaced by the costs in this CIP request for Internet Service Upgrade. The net increase for both sites provides double the bandwidth, provides for the requisite resiliency for public safety and is necessary for the City to continue to conduct business into the future due to increasing bandwidth needs.

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**Facility Security**

<b>Department</b>	Information Technology	<b>Project Type</b>	New
<b>City Council Vision</b>	Public Services—The Backbone Of Our Community	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	TBD

**Project Description**

Desktop Alerting Software: When an emergency strikes, it is critical to provide our City staff with potentially lifesaving notification whenever they may be. Desktop alerting helps provide this functionality across our network in the form of desktop alerts and on screen messages that traditionally need to be spread via phone call, text, word of mouth, or building alarms. Widespread notice is instantaneous.

City Access Control: IT recommends converting the City to a centralized all-badge access system. The requirements to physically secure city assets to meet compliance and providing a safe and secure work area for City personnel can both be met by leveraging systems that are centrally managed and maintained with support and infrastructure. Currently the City utilizes decentralized systems that are supported by different departments and technology creating possible security gaps and areas that are not as secure as others. Without centralized management, if an event occurs, each site would have to be notified separately. With a central system, a suspect with badge access could be locked out remotely with the push of a button from all connected buildings. The estimate provided would implement security access systems at City Hall, Executive Plaza, Fire Station 1 and Fire Station 2. City Shop is submitted under Public Facilities for gates, camera access and vestibule security. A subsequent phase to include Dorothy Hart, Transit, Wastewater and Dixon Maintenance will be presented in a future CIP.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Project Implementation</b>	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
City Access Control	\$ -	\$ 82,500	\$ -	\$ -	\$ -	\$ -	\$ 82,500
Desktop Alerting Software	\$ -	\$ 17,500	\$ -	\$ -	\$ -	\$ -	\$ 17,500
<b>Source</b>	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Transfer from General Fund	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
<b>Operating Impact</b>	\$ -	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ -	\$ 140,000
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ -	\$ 140,000
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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## Memorial Park Improvements

<b>Department</b>	Parks, Recreation & Events	<b>Project Type</b>	One-Time
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2024

**Project Description**

Memorial Park Tennis Courts are separated into two areas – Courts #1-6, and Courts #7-8. Courts #7-8 are used for tennis but are also used as supplemental Pickleball Courts due to the rising popularity of the sport. The proposed lights provide over 50 foot-candles of light to the courts, reduce spill light by 50%, and reduce energy costs by 50%. With the increase of play on all of the courts, and the conversion of court #7 to four Pickleball courts, the installation of lights on courts #7-8 will increase the available number of courts that can be played on after dusk.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Facility Renovation</b>	\$ -	\$ -	\$ 290,000	\$ -	\$ -	\$ -	\$ 290,000
Install lights Courts #7-8	\$ -	\$ -	\$ 115,000	\$ -	\$ -	\$ -	\$ 115,000
Replace lights Courts #1-6	\$ -	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ 175,000
<b>Source</b>	\$ -	\$ -	\$ 290,000	\$ -	\$ -	\$ -	\$ 290,000
Transfer from General Fund	\$ -	\$ -	\$ 290,000	\$ -	\$ -	\$ -	\$ 290,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

There are no additional ongoing operational costs anticipated with this project. While new lights on Courts #7-8 will add to the existing utility costs, efficiency from upgraded light fixtures may reduce overall utility costs.

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**Motts Run Reservoir Recreational Area**

<b>Department</b>	Parks, Recreation & Events	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2025

**Project Description**

The Motts Run Reservoir Recreation Area is 860 acres in Spotsylvania County of award-winning fishing, hiking, biking, and nature education. Our Motts Run Nature Center was donated to the City by the Fredericksburg Area Service League over 20 years ago. Both the hiking trails and bike trails were installed by outdoor-loving volunteers. The facility, while closed for fishing in 2020 has been highly visited during COVID restrictions of 2020. As continued interest exists in expanding the use and educational and recreational opportunities of the park, a concept plan is an absolute must-have. To follow would be the expansion of the parking lot and the addition of a parking kiosk system which would recoup enough money to assist with the increasing road maintenance needs that result from the visitors to the facility. In future years both the Nature Center and the restroom facilities at the park would require expansion. Additionally adding nature-focused play areas and cultural interpretive elements would be included as outlined in the concept plan.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Expenditure</b>	\$ -	\$ 60,000	\$ 115,000	\$ -	\$ 290,000	\$ -	\$ 465,000
Concept Plan	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000
Nature Center Expansion	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ 150,000
Parking Kiosk System	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ 75,000
Parking Lot Expansion	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ 40,000
Restroom Expansion	\$ -	\$ -	\$ -	\$ -	\$ 140,000	\$ -	\$ 140,000
<b>Source</b>	\$ -	\$ 60,000	\$ 115,000	\$ -	\$ 290,000	\$ -	\$ 465,000
Technical Assistance Grant	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Transfer from General Fund	\$ -	\$ 50,000	\$ 115,000	\$ -	\$ 290,000	\$ -	\$ 455,000
<b>Operating Impact</b>	\$ -	\$ -	\$ (7,000)	\$ (27,000)	\$ (27,000)	\$ (27,000)	\$ (88,000)
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 32,000
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ (15,000)	\$ (35,000)	\$ (35,000)	\$ (35,000)	\$ (120,000)

**Operating Impact**

The development of a concept plan is essential to making the right investments for the right outcomes in the space, and will drive future enhancements. The addition of parking spaces and a parking kiosk system would allow staff to capture funds from those who visit the facility but contribute no revenue with which to maintain the parking area. The expansion of the Nature Center and the restroom facilities will allow for more visitation and more programming revenue. It is then necessary that we begin staffing the facility year-round to allow for the demand for the varied recreational uses.

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**Old Mill Park Improvements**

<b>Department</b>	Parks, Recreation & Events	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2025

**Project Description**

Old Mill Park is the largest city-owned event space which is also used for private soccer rental groups, families having celebrations, and even summer camps. The parking lot within the park has long been a problem area as it is one of the premier parking areas for Heritage Trail access too. Due to the diversity and number of recreational uses of the park, a concept plan for the space is overdue. The results of the concept plan are likely to include recommendations for relocation of the restroom facility, improvements for event space, a perimeter walking trail, an expanded parking lot, and even a parking kiosk system which would generate parking revenue to offset additional maintenance needs as a result of the ever-increasing usage of the space.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Expenditure</b>	\$ -	\$ 60,000	\$ 178,500	\$ 30,000	\$ -	\$ -	\$ 268,500
ADA Access to 2nd shelter	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ 60,000
Concept Plan	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000
Floodproof Maintenance Bldg	\$ -	\$ -	\$ 68,500	\$ -	\$ -	\$ -	\$ 68,500
Removal of Septic Tank	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
Replace Shelter 3	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ 30,000
<b>Source</b>	\$ -	\$ 60,000	\$ 178,500	\$ 30,000	\$ -	\$ -	\$ 268,500
Transfer from General Fund	\$ -	\$ 50,000	\$ 178,500	\$ 30,000	\$ -	\$ -	\$ 258,500
Technical Assistance Grant	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

The concept plan will guide development. NPS technical assistance grants will be explored for the concept plan.

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**Parks - Mobile Stage**

<b>Department</b>	Parks, Recreation & Events	<b>Project Type</b>	One-Time
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2023

**Project Description**

The increased requests from citizens for event support includes use of staging and stage-related amenities. These support requests are becoming labor-intensive and the addition of a mobile stage will allow for a single staff person to deliver and setup the stage and related amenities in an eighth of the time currently required. Once purchased, sponsorships will be sought to offset some of the initial cost. Revenues from rentals will continue the ROI for this piece of equipment.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Expenditure</b>	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	<b>200,000</b>
Purchase of Mobile Stage	\$ -	200,000	\$ -	\$ -	\$ -	\$ -	200,000
<b>Source</b>	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	<b>200,000</b>
Private Donations	\$ -	50,000	\$ -	\$ -	\$ -	\$ -	50,000
Transfer from General Fund	\$ -	150,000	\$ -	\$ -	\$ -	\$ -	150,000
<b>Operating Impact</b>	\$ -	\$ -	\$ (12,000)	\$ (12,000)	\$ (12,000)	\$ (12,000)	<b>(48,000)</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ (12,000)	\$ (12,000)	\$ (12,000)	\$ (12,000)	(48,000)
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

PRE anticipates potential ongoing rental revenue from use of this asset.

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**PRE Capital Maintenance, Repairs, & Renovations**

<b>Department</b>	Parks, Recreation & Events	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2025

**Project Description**

Maintenance and repair of existing park amenities, separated by park. These are lone and specific requests per park that include things like ADA accessibility, park signage, lighting, irrigation, or restroom facility upgrades.

- \* City Dock Improvements is for a contracted evaluation of the dock and roadmap for improvements
- \* Dixon Park includes the construction of a wetlands pavillion, lighting of the pathways, hockey rink, and partial lighting of fields
- \* Memorial Park includes construction of a potential new parking lot at Mary Ball & Kenmore on city property as well as lighting of tennis courts
- \* Hurkamp Wall is a fundraising endeavor to continue the brick wall from Prince Edward Street along the George Street side of the park to combat erosion problems.

PRE anticipates a possible technical assistance grant to apply to planning costs (\$10,000) and a possible EPA grant to offset the cost of solar lighting (\$15,000) in FY 2022. A possible private donation of \$30,000 is anticipated in support of the wetlands shelter construction in FY 2022, and \$20,000 in private donations is anticipated in support of the hockey rink lighting in FY 2023.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Expenditure</b>	\$ -	\$ 215,000	\$ 100,000	\$ 795,000	\$ 100,000	\$ 190,000	\$ 1,400,000
Dixon Park - Lighting	\$ -	\$ 115,000	\$ -	\$ 695,000	\$ -	\$ -	\$ 810,000
Hurkamp Wall	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ 90,000
PRE Capital Maintenance	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
<b>Source</b>	\$ -	\$ 215,000	\$ 100,000	\$ 795,000	\$ 100,000	\$ 190,000	\$ 1,400,000
Private Donations	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000
Technical Assistance Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer from General Fund	\$ -	\$ 195,000	\$ 100,000	\$ 795,000	\$ 100,000	\$ 190,000	\$ 1,380,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

Each item on this list is requested for the purpose of increasing user visitation, program revenues, and general customer safety and satisfaction.

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**Public Safety IT System Replacement**

<b>Department</b>	Information Technology	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2023

**Project Description**

The Police Department's current public safety system will be upgraded as it approaches the end of its useful life. IT estimates a 3 year planning horizon for procurement and installation. There could be opportunities for regional cooperation with this project as well that would impact costs. The estimates provided are placeholders.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Public Safety</b>	\$ -	\$ 75,000	\$ 2,425,000	\$ -	\$ -	\$ -	\$ 2,500,000
Public Safety System Replacement	\$ -	\$ 75,000	\$ 2,425,000	\$ -	\$ -	\$ -	\$ 2,500,000
<b>Source</b>	\$ -	\$ 75,000	\$ 2,425,000	\$ -	\$ -	\$ -	\$ 2,500,000
Transfer from General Fund	\$ -	\$ 75,000	\$ 2,425,000	\$ -	\$ -	\$ -	\$ 2,500,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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## Technology Replacements

<b>Department</b>	Information Technology	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	Public Services—The Backbone Of Our Community	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

The City replaces computer technology used by our operating Departments through the capital fund, currently on a four-year cycle. Ongoing funding for computer replacements for worn or outdated computers is essential for City operations. Annual increases are included to accommodate the City's IT needs. Scheduled for replacement are PCs, module data terminals, iPads, servers, switches, routers and firewalls. A variety of other hardware and software replacements may be funded as resources allow.

IT Strategic Plan: The 2015 IT Strategic Plan will be fully implemented this year. Technology is a fast-paced industry and a new plan should be crafted every 5 years that would serve to analyze trends in information technology and local government use of emergent technology, assist the City in planning for future IT projects that align with City Vision and Priorities.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Project Implementation</b>	\$ 231,592	\$ 142,211	\$ -	\$ -	\$ -	\$ -	<b>373,803</b>
Contingency	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	50,000
Devices	\$ 92,635	\$ -	\$ -	\$ -	\$ -	\$ -	92,635
Infrastructure	\$ 76,242	\$ 32,211	\$ -	\$ -	\$ -	\$ -	108,453
Professional Services	\$ 12,715	\$ 110,000	\$ -	\$ -	\$ -	\$ -	122,715
<b>Source</b>	\$ 231,592	\$ 142,211	\$ -	\$ -	\$ -	\$ -	<b>373,803</b>
Transfer from General Fund	\$ 231,592	\$ 142,211	\$ -	\$ -	\$ -	\$ -	373,803
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

The IT budget contains a variety of ongoing operating costs related to the City's computer systems; however, the replacement program does not by itself create special additional operating costs.

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**Wild Riverfront Park**

<b>Department</b>	Parks, Recreation & Events	<b>Project Type</b>	Multi-Year
<b>City Council Vision</b>	<i>Building Community Through Cultural Vibrancy</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2025

**Project Description**

Wild Riverfront Park includes the area currently being utilized for the I-95 project off of Fall Hill Avenue near the quarry. The I95 Project is slated to be complete in 2024 and in order to be prepared for the best and most desired use of the space, a concept plan is a necessary item. It is anticipated that the I-95 project will leave a small gravel parking lot which is going to be in any concept plan. Additionally we hope to develop a scenic overlook and a canoe/kayak launch, and possibly a nature center similar to that found at Motts Run Reservoir. Private contributions will be solicited for larger items in the concept plan.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Expenditure</b>	\$ -	\$ -	\$ -	\$ -	\$ -	<b>60,000</b>	<b>60,000</b>
Concept Plan	\$ -	\$ -	\$ -	\$ -	\$ -	60,000	60,000
<b>Source</b>	\$ -	\$ -	\$ -	\$ -	\$ -	<b>60,000</b>	<b>60,000</b>
Transfer from General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	60,000	60,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

The concept plan will guide development, which should be supported by private donations. NPS technical assistance grants will be explored for the concept plan, and Friends of the Rappahannock will be consulted as a partner as the project matures.

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## PUBLIC SAFETY CAPITAL FUND (FUND 306)

## Sources

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
General Fund Transfer	\$ 800,282	\$ 485,282	\$ 774,435	\$ 269,436	\$ 619,437	\$ 274,638
Debt Issuance	\$ 675,000	\$ 12,250,000	\$ 1,850,000	\$ 750,000	\$ 1,750,000	\$ -
Grant	\$ 130,589	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 1,605,871</b>	<b>\$ 12,735,282</b>	<b>\$ 2,624,435</b>	<b>\$ 1,019,436</b>	<b>\$ 2,369,437</b>	<b>\$ 274,638</b>

## Uses

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Ambulance, Dive Vehicle & Fire Apparatus	\$ 325,000	\$ 1,765,000	\$ 1,200,000	\$ -	\$ 1,100,000	\$ 1,750,000
Animal Shelter	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000
Crisis Negotiation Team Vehicle	\$ -	\$ 160,000	\$ -	\$ -	\$ -	\$ -
Fire Station 1 Renovation	\$ 150,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -
New Fire Station	\$ 675,000	\$ 9,750,000	\$ -	\$ -	\$ -	\$ -
Public Safety Body Cameras, Tasers, & Interview Room	\$ 92,953	\$ 92,953	\$ 174,435	\$ 174,435	\$ 174,435	\$ 179,635
Public Safety Radio Replacements	\$ 137,329	\$ 137,329	\$ -	\$ -	\$ -	\$ -
Public Works Integration to Public Safety Radio System	\$ -	\$ -	\$ 155,000	\$ -	\$ -	\$ -
OEMS Grant	\$ 130,589	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 1,605,871</b>	<b>\$ 13,000,282</b>	<b>\$ 2,624,435</b>	<b>\$ 269,435</b>	<b>\$ 1,369,435</b>	<b>\$ 2,024,635</b>

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**Ambulance, Dive Vehicle & Fire Apparatus**

<b>Department</b>	Fire	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

These types of apparatus are the lifeline on which fire suppression organizations are able to meet our mission statement “to protect and serve those who live, work or visit the City of Fredericksburg by providing highly trained courteous professional personnel for rapid response to their needs”. The City replaces ambulances, fire apparatus, and emergency vehicle as part of an ongoing fleet replacement program.

The Fredericksburg Fire Department EMS provides coverage 24 hours a day, 7 days a week with assistance from the Fredericksburg Rescue Squad during evening and weekends. The \$1.5 million in FY 2023 would replace the aerial rig; the \$850,000 in FY 2024 would replace the hazmat response truck; the \$750,000 in FY 2026 would replace the pumping engine.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Rolling Stock Replacement</b>	\$ 325,000	\$ 1,765,000	\$ 1,200,000	\$ -	\$ 1,100,000	\$ 1,750,000	\$ 6,140,000
Ambulance	\$ 325,000	\$ -	\$ 350,000	\$ -	\$ 350,000	\$ -	\$ 1,025,000
Dive Vehicle	\$ -	\$ 265,000	\$ -	\$ -	\$ -	\$ -	\$ 265,000
Fire Apparatus	\$ -	\$ 1,500,000	\$ 850,000	\$ -	\$ 750,000	\$ 1,750,000	\$ 4,850,000
<b>Source</b>	\$ 325,000	\$ 1,500,000	\$ 1,200,000	\$ 750,000	\$ 2,100,000	\$ -	\$ 5,875,000
Debt Issuance	\$ -	\$ 1,500,000	\$ 850,000	\$ 750,000	\$ 1,750,000	\$ -	\$ 4,850,000
Transfer from General Fund	\$ 325,000	\$ -	\$ 350,000	\$ -	\$ 350,000	\$ -	\$ 1,025,000
<b>Operating Impact</b>	\$ -	\$ 20,500	\$ 334,000	\$ 504,500	\$ 504,500	\$ 504,500	\$ 1,868,000
Operating Impact - Debt	\$ -	\$ 20,500	\$ 334,000	\$ 504,500	\$ 504,500	\$ 504,500	\$ 1,868,000
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

Debt service assumes issuance of 5-year bonds at 2.75% in FY 2023 and 3.0% in FY 2024.

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## Animal Shelter

<b>Department</b>	Police	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

State law requires all localities to maintain public animal shelters. Localities may, instead of operating their own shelter, contract with other localities for use of the other locality's shelter. Spotsylvania County currently owns and maintains an animal shelter on its property at 450 TV Drive.

The County and the City have had an agreement since April 1, 2010 for use of this animal shelter by both localities, and a renegotiated agreement replaced this long-standing agreement at the start of calendar year 2021. With respect to capital improvements, the existing agreement specifies that the City and County agree to work together in good faith to identify the portion of the cost for such improvements reasonably chargeable to the City. The amounts shown here are specifically the share due from the City for making capital improvements needed to bring the County shelter into compliance with State mandated standards. This agreement has a much lower fiscal impact than the City would incur if it maintained its own animal shelter.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Joint Payment</b>	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 570,000
Contract	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 570,000
<b>Source</b>	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,001	\$ 95,002	\$ 95,003	\$ 570,006
Transfer from General Fund	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,001	\$ 95,002	\$ 95,003	\$ 570,006
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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**Crisis Negotiation Team Vehicle**

<b>Department</b>	Police	<b>Project Type</b>	New
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2022

**Project Description**

The current vehicle used for the Crisis Negotiation Team is a decommissioned 1988 Fire Department "bread truck". While the mileage is relatively low considering the age of the vehicle, the interior working parts are failing and repairs are expensive as maintenance costs increase. The power needed for the equipment in the vehicle is run by a diesel generator which is not only a safety concern but the generator must be positioned far from the vehicle due to noise and proper set-up. The interior of the original vehicle was gutted and repurposed for negotiation team usage. Even with these modifications, the current set-up leaves part of the team working outside of the vehicle during operations.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Public Safety</b>	\$ -	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ 160,000
Replacement vehicle	\$ -	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ 160,000
<b>Source</b>	\$ -	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ 160,000
Transfer from General Fund	\$ -	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ 160,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

A new vehicle will be designed to meet the needs of the team and specifically for negotiations. It will have a built-in quiet generator that will allow for one person set-up. It will also have an inner and outer sanctum to keep team members and equipment safe from weather. The vehicle will be deployed on every CNT callout as well as special events. It can also be utilized as a secondary command unit for special events (Christmas Parade, Marine Corps Historic Half, etc) while decreasing overall maintenance costs.

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**Fire Station 1 Renovation**

<b>Department</b>	Fire	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2025

**Project Description**

Fire Station 1 was constructed in 1972 with no improvements other than the kitchen and bathroom renovation in 2017. This facility is 46 years old and was designed to accommodate 8 personnel. Due to the expansion of the EMS/ALS services, a total of 11 personnel need to be housed and therefore it is recommended to do a renovation of this station.

Fire Station 1 is the hub of public exposure to the community with school tours, open house and general foot traffic of visitors to the City. Proper planning should be conducted to maximize the use of the space.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>New Construction</b>	\$ 150,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 2,150,000
Construction	\$ -	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 2,000,000
Preliminary Engineering	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
<b>Source</b>	\$ 150,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 2,150,000
Debt Issuance	\$ -	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 2,000,000
Transfer from General Fund	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
<b>Operating Impact</b>	\$ -	\$ -	\$ 15,000	\$ 66,700	\$ 66,700	\$ 738,648	\$ 887,048
Operating Impact - Debt	\$ -	\$ -	\$ 15,000	\$ 66,700	\$ 66,700	\$ 66,700	\$ 215,100
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 671,948	\$ 671,948
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

Debt service assumes a 20-year bond at 2.75% in FY 2023 and a 20-year bond at 3.0% in FY 2024.

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**New Fire Station**

<b>Department</b>	Fire	<b>Project Type</b>	One-Time
<b>City Council Vision</b>	Public Services—The Backbone Of Our Community	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2024

**Project Description**

The Fire Department currently provides service from two stations strategically located within the city limits. Due to increasing call volume, new construction and extended response times, it has become necessary to construct and occupy a new station within the city limits to meet NFPA guidelines for response times for both emergency medical and fire suppression calls.

During FY 2018, the City completed a fire station location study to determine the type and location of the new station. Options include building a third station or building a new superstation which would replace one or both of the existing stations. Results are currently under evaluation. Once a decision has been finalized, the estimate will be refined. These figures include construction, furniture, fixtures, and equipment to make the building fully functional.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>New Construction</b>	\$ 675,000	\$ 9,750,000	\$ -	\$ -	\$ -	\$ -	\$ 10,425,000
Construction	\$ -	\$ 9,750,000	\$ -	\$ -	\$ -	\$ -	\$ 9,750,000
Preliminary Engineering	\$ 675,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 675,000
<b>Source</b>	\$ 675,000	\$ 9,750,000	\$ -	\$ -	\$ -	\$ -	\$ 10,425,000
Debt Issuance	\$ 675,000	\$ 9,750,000	\$ -	\$ -	\$ -	\$ -	\$ 10,425,000
<b>Operating Impact</b>	\$ 9,300	\$ 591,938	\$ 1,578,023	\$ 1,400,535	\$ 1,401,012	\$ 511,800	\$ 5,492,608
Operating Impact - Debt	\$ 9,300	\$ 166,500	\$ 511,800	\$ 511,800	\$ 511,800	\$ 511,800	\$ 2,223,000
Operating Impact - Operations	\$ -	\$ -	\$ 253,000	\$ 57,000	\$ 58,000	\$ -	\$ 368,000
Operating Impact - Personnel	\$ -	\$ 425,438	\$ 860,236	\$ 879,265	\$ 879,265	\$ -	\$ 3,044,204
Operating Impact - Savings	\$ -	\$ -	\$ (47,013)	\$ (47,530)	\$ (48,053)	\$ -	\$ (142,596)

**Operating Impact**

Operating impacts include salaries and benefits for six additional firefighters in FY 2023 and six more in FY 2024. The City will pursue SAFER grant funding for personnel costs. If successful, the personnel costs could be covered up to 100% for three years. (The timing may be revised and is dependent upon receipt of the grant.)

Building operating costs start at approximately \$56,000 in FY 2023. FY 2023 also includes approximately \$197,000 in start-up costs.

Certain Fire Department equipment and vehicles are currently housed in a leased facility. The amount of space leased for the fire department could be reduced. This is reflected in the revenue/saving line.

Debt service assumes a 30-year bond at 2.75% in FY 2022 and a second and final 30-year bond at 2.75% in FY 2023.

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**Public Safety Body Cameras, Tasers, & Interview Room**

<b>Department</b>	Police	<b>Project Type</b>	Ongoing
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	NA

**Project Description**

In 2020, the Police Department negotiated a new, 10-year contract for body cameras, tasers, and interview room equipment that consolidated the department's body cameras, tasers, and interview room all into one. The new contract also includes 15 body cameras and tasers for the Sheriff's Office. The change in price for this contract reflects these efficiencies and expansions. This new contract is anticipated to supercede all prior contracts held with the vendor by the start of FY 2022, if not sooner.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Public Safety</b>	\$ 92,953	\$ 92,953	\$ 174,435	\$ 174,435	\$ 174,435	\$ 179,635	\$ 888,846
Contract Deliverables	\$ 92,953	\$ 92,953	\$ 174,435	\$ 174,435	\$ 174,435	\$ 179,635	\$ 888,846
<b>Source</b>	\$ 92,953	\$ 92,953	\$ 174,435	\$ 174,435	\$ 174,435	\$ 179,635	\$ 888,846
Transfer from General Fund	\$ 92,953	\$ 92,953	\$ 174,435	\$ 174,435	\$ 174,435	\$ 179,635	\$ 888,846
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

Body camera footage is reviewed by staff within the Commonwealth's Attorney's Office, and an additional position was created in the FY 2020 operating budget partially for this purpose. The new 10-year vendor contract both expands body camera and taser equipment and support to the Sheriff, and eliminates prior variable expenses for taser cartridges that may yield some cost savings in future years, which are priced into the overall contract.

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**Public Safety Radio Replacements**

<b>Department</b>	Fire	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2023

**Project Description**

The radio system implemented in 2016 has provided many years of essential communications for the Communications Center, Police, Fire and EMS departments and it is anticipated to continue. As with all changing technology, the portable radios that are currently in service will be no longer be in production and the plan is to phase in the replacement radios over a three year period. The first phase will replace 18 of the current inventory and the same for the 2nd and 3rd year

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Replacements</b>	\$ 137,329	\$ 137,329	\$ -	\$ -	\$ -	\$ -	<b>274,658</b>
Project Implementation	\$ 137,329	\$ 137,329	\$ -	\$ -	\$ -	\$ -	274,658
<b>Source</b>	\$ 137,329	\$ 137,329	\$ -	\$ -	\$ -	\$ -	<b>274,658</b>
Transfer from General Fund	\$ 137,329	\$ 137,329	\$ -	\$ -	\$ -	\$ -	274,658
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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**Public Works Integration to Public Safety Radio System**

<b>Department</b>	Fire	<b>Project Type</b>	Updated
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2024

**Project Description**

Currently the radios that are utilized by the Public Works/Facilities departments cannot be integrated with the Public Safety Radio System due to proprietary reasons. Since these departments work closely to public safety personnel in a wide range of capacities (i.e., snow clearing, gas leaks, water main breaks, flooding, traffic control, road closures, signal light monitoring, camera monitoring, structural deficiencies) the interoperability factors would be invaluable. This transition would mean that Public Works/Facilities would be able to seamlessly communicate with Police, Fire, Communications, Stafford and Spotsylvania. Since Spotsylvania provides the City’s water supply this would be an instrumental resource for these departments. Currently all public safety personnel including dispatch have to rely on landline or cell phone communications. Stafford County realized the value and has them on the same system as their public safety. During special events equipment is borrowed or collected from personnel not working to provide these departments radios to establish a unified command.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Replacements</b>	\$ -	\$ -	\$ 155,000	\$ -	\$ -	\$ -	\$ 155,000
Project Implementation	\$ -	\$ -	\$ 155,000	\$ -	\$ -	\$ -	\$ 155,000
<b>Source</b>	\$ -	\$ -	\$ 155,000	\$ -	\$ -	\$ -	\$ 155,000
Transfer from General Fund	\$ -	\$ -	\$ 155,000	\$ -	\$ -	\$ -	\$ 155,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Operating Impact**

NA

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## COURT FACILITIES CAPITAL FUND (FUND 315)

### Sources

	FY 2022		FY 2023		FY 2024		FY 2025		FY 2026		FY 2027	
Fund Balance	\$	34,000	\$	-	\$	-	\$	-	\$	-	\$	-
<b>Grand Total</b>	<b>\$</b>	<b>34,000</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>

### Uses

	FY 2022		FY 2023		FY 2024		FY 2025		FY 2026		FY 2027	
JD&R Courthouse HVAC	\$	34,000	\$	-	\$	-	\$	-	\$	-	\$	-
<b>Grand Total</b>	<b>\$</b>	<b>34,000</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>

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**JD&R Courthouse HVAC**

<b>Department</b>	Public Facilities	<b>Project Type</b>	One-Time
<b>City Council Vision</b>	<i>Public Services—The Backbone Of Our Community</i>	<b>Start Year</b>	Active
		<b>Estimated Year of Completion</b>	2022

**Project Description**

J&DR Courthouse - There is only one HVAC unit for the building. This is to put in the infrastructure so that a temporary HVAC unit can be brought in if necessary. Also, parts for the existing unit will be purchased and stocked on site.

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total, FY21-27
<b>Facility Renovation</b>	\$ 34,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>34,000</b>
Other Professional Services	\$ 34,000	\$ -	\$ -	\$ -	\$ -	\$ -	34,000
<b>Source</b>	\$ 34,000	\$ -	\$ -	\$ -	\$ -	\$ -	<b>34,000</b>
Fund Balance	\$ 34,000	\$ -	\$ -	\$ -	\$ -	\$ -	34,000
<b>Operating Impact</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>-</b>
Operating Impact - Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Operating Impact - Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

**Operating Impact**

NA

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