



CITY OF ALEXANDRIA

# PROPOSED CAPITAL IMPROVEMENT PROGRAM

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FISCAL YEAR  
2021-2030

CITY OF  
*Alexandria*  
VIRGINIA



CITY OF ALEXANDRIA, VIRGINIA  
PROPOSED FY 2021 – FY 2030  
CAPITAL IMPROVEMENT  
PROGRAM

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The Office of Management and Budget staff wishes to acknowledge the Office of Communications, Office of Performance & Accountability, and the Department of Human Resources for their assistance in the preparation of this budget document.



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished  
Budget Presentation  
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PRESENTED TO

**City of Alexandria  
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For the Fiscal Year Beginning

**July 1, 2018**

*Christopher P. Morill*

Executive Director

The Government Finance Officers Association of the United States and Canada (GFOA) presented a Distinguished Budget Presentation Award to the City of Alexandria, Virginia for its annual budget for the fiscal year beginning July 2018.

In order to receive the award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan, and as a communications device.

The award is valid for a period of one year only. We believe our current budget continues to conform to program requirements, and we are submitting it to the GFOA to determine eligibility for another award.

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CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



## PROPOSED CIP OVERVIEW

The City Manager’s Proposed FY 2021 – FY 2030 Capital Improvement Program (CIP) totals \$2.10 billion, which represents a \$486.4 million, or 30.1%, increase from the Approved FY 2020 – FY 2029 CIP. The Proposed CIP represents a major revision year for the CIP, which follows a biennial development cycle. Development of the Proposed CIP included consideration of new capital projects, revised scopes and timing of existing capital projects, and significant recosting of capital projects to account for changes in the regional construction, materials, and labor costs.

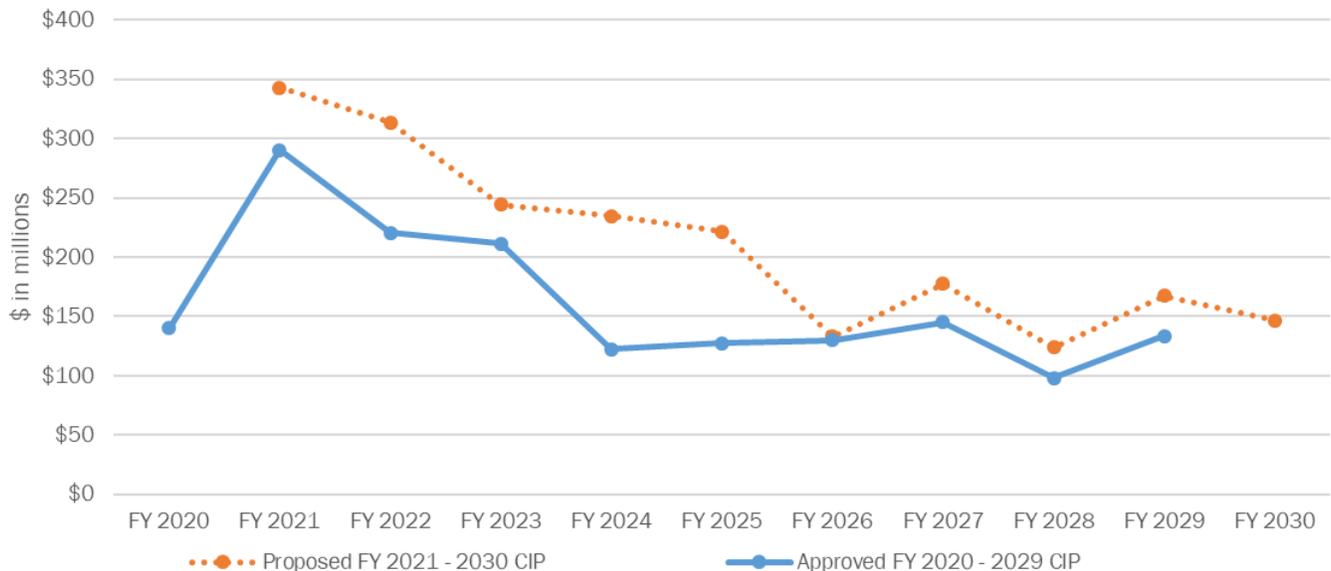
The proposed 10-year CIP reflects a 2-cent increase in the real estate tax for School and City capital projects for FY 2021, FY 2023, and FY 2025. These new tax funds would start as cash capital sources and then convert to debt service over time.

The Proposed CIP maintains the reserved 2.2 cents on the base real estate tax rate for the continuation of the City’s Transportation Improvement Program (TIP) approved by City Council beginning in FY 2012 to support capital infrastructure needs and new operating costs associated with new transportation capital projects.

The Proposed CIP reflects the one percent increase in the restaurant meals tax (from 4% to 5%) that was approved by City Council beginning in FY 2019 and was dedicated to investments in Affordable Housing. For FY 2021 this equates to \$5.1 million and over the 10-year plan, this represents a \$55.8 million additional investment in Affordable Housing.

The City Manager Proposed FY 2021 – FY 2030 CIP represents a continued commitment and investment to numerous areas of critical City infrastructure, including increased investments in school facilities, maintenance of existing City assets and facilities, and continued substantial support of WMATA’s capital improvement program. Each of these investments are discussed in greater detail on the following pages.

### Last Year's CIP Compared to Approved CIP



CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



## Supporting the City Strategic Structure

The City Manager Proposed FY 2021 – FY 2030 CIP supports the City's strategic plan and structure. In the Proposed FY 2021 – FY 2030 Capital Improvement Program document, each individual project provides information on the primary City Strategic Theme that the project supports. By supporting these Strategic Themes, the City ensures that capital investments are being prioritized and balances the future capital infrastructure needs in the City with available resources.

## Diversity of Capital Improvement Program Funding

The funding makeup of the City's capital program is growing increasingly diverse each year. To help organize this complexity (which also brings new opportunities), the Proposed FY 2021 – FY 2030 CIP divides revenue sources into three different types as noted below, with the table on the next page providing more detailed information.

- **Unrestricted City funds (\$1.598 billion)** - Includes general cash sources and General Obligation Bond revenues for the base CIP program.
- **Restricted City funds (\$243.0 million)** - Includes both cash and General Obligation Bond revenues associated with the Sanitary Sewer Fund, Stormwater Management Fund, Transportation Improvement Program, and other targeted sources. Because these restricted revenues all have legal restrictions on their available uses, it is beneficial to discuss financing issues with them separately.
- **Non-City funds (\$262.8 million)** generally include State and Federal grants (including NVTVA funding), private developer capital contributions, and revenues from the City's telecommunication financial agreement with Comcast. These revenues are also restricted in their use.

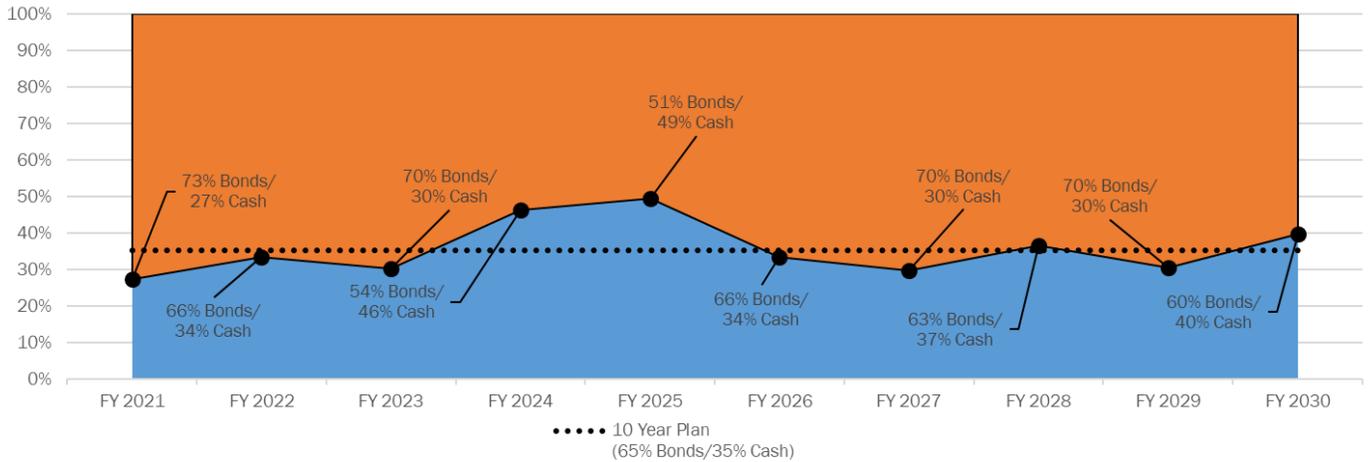
The City's financing plan has a 35% cash / 65% borrowing structure in this year's approved 10-year plan. In the first five years of the plan when outside funding sources are more certain, the City's financing plan has a 37% cash / 63% borrowing structure.

CITY OF ALEXANDRIA, VIRGINIA



# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview

## Cash vs. Borrowing Sources



In municipal finance, there are no generally recognized specific mathematical benchmarks for cash capital funding. The bond rating agencies view of cash capital is positive, but the bond rating agencies do not set minimum threshold expectations. In general, the City considers having an overall CIP which is 25% cash capital from all cash sources as very healthy. Therefore, the City’s 10-Year CIP cash capital level of 35% greatly exceeds the very healthy level of 25%. Individual years may fluctuate percentage shares based on type and level of project funding for specific years. This reflects the City’s commitment to both execute a large dollar volume of CIP projects, but at the same time also keep its debt at reasonable AAA/Aaa levels.

## CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



Revenues	Approved		Proposed	Difference
	FY 2020 - FY 2029	FY 2021 - FY 2030		
<b>Unrestricted</b>				
Cash Sources (Including G/F Transfer) [1]	\$ 424,389,577	\$ 277,421,127	\$ (146,968,450)	
Tax Rate Increase (Includes June Payment)	\$ -	\$ 12,770,256	\$ 12,770,256	
G.O. Bonds	\$ 787,270,310	\$ 1,284,241,876	\$ 496,971,566	
Bond Premiums [2]	\$ 4,200,459	\$ -	\$ (4,200,459)	
GO Bond Interest Earnings [2]	\$ 2,500,000	\$ -	\$ (2,500,000)	
Reprogrammed Prior Year Balances	\$ 525,000	\$ 5,000,000	\$ 4,475,000	
Use of CIP Designated Fund Balance	\$ 7,981,000	\$ 19,000,000	\$ 11,019,000	
<b>Subtotal, Unrestricted City Revenues</b>	<b>\$ 1,226,866,346</b>	<b>\$ 1,598,433,259</b>	<b>\$ 371,566,913</b>	
<b>Restricted</b>				
Potomac Yard (Cash Sources)	\$ 2,825,726	\$ 2,542,151	\$ (283,575)	
Sanitary Sewer (Cash Sources)	\$ 39,423,993	\$ 64,338,120	\$ 24,914,127	
Sanitary Sewer (GO Bonds) [3]	\$ 38,350,000	\$ -	\$ (38,350,000)	
Stormwater Management (Cash Sources)	\$ 32,764,004	\$ 25,486,040	\$ (7,277,964)	
Stormwater Management (GO Bonds)	\$ 44,617,993	\$ 76,460,000	\$ 31,842,007	
Transportation Improvement Program (Cash Sources)	\$ 15,520,766	\$ 16,610,004	\$ 1,089,238	
Meals Tax Dedication for Affordable Housing	\$ 51,416,200	\$ 55,841,000	\$ 4,424,800	
Pension Administrative Fees	\$ 250,000	\$ -	\$ (250,000)	
Use of Equipment Replacement Fund Balance	\$ 100,000	\$ -	\$ (100,000)	
Code Fund Balance	\$ -	\$ 1,700,000	\$ 1,700,000	
<b>Subtotal, Restricted City Revenues</b>	<b>\$ 225,268,682</b>	<b>\$ 242,977,315</b>	<b>\$ 17,708,633</b>	
<b>Non-City</b>				
NVTA 70%	\$ 27,328,652	\$ 2,200,000	\$ (25,128,652)	
NVTA 30%	\$ 18,363,911	\$ 28,973,000	\$ 10,609,089	
Other State and Federal Grants	\$ 68,393,283	\$ 190,571,574	\$ 122,178,291	
Private Capital Contributions	\$ 40,165,213	\$ 37,400,000	\$ (2,765,213)	
Comcast Revenues	\$ 11,501,000	\$ 3,700,000	\$ (7,801,000)	
<b>Subtotal, Non-City Revenues</b>	<b>\$ 165,752,059</b>	<b>\$ 262,844,574</b>	<b>\$ 97,092,515</b>	
<b>Total, All Revenue Sources</b>	<b>\$ 1,617,887,087</b>	<b>\$ 2,104,255,148</b>	<b>\$ 486,368,061</b>	

**Notes:**

- The City Council Approved FY 2017 and FY 2018 budgets included a total increase in the real estate tax rate of 7.7 cent, of which 5 cents of the increase was intended to support increased investment in City and Schools capital needs. Whereas previous versions of the CIP programmed this funding as cash capital, the Proposed FY 2021 – FY 2030 CIP reflects the intent to begin converting some of this revenue to debt service to accommodate the borrowing required for the Proposed CIP.
- The Proposed FY 2021 Capital Budget identifies \$249.0 million in projects that will be financed through borrowing. However, based on staff's analysis of the projected cash flow of existing on-going projects and the planned projects scheduled to begin in FY 2020 and FY 2021, and because of on hand available bond balances, the City plans to schedule the next bond issuance contemplated in FY 2022. This analysis of on hand available bond balances also included available bond interest earnings and bond premium, which are two sources that will support a cash flow that allows the City to schedule its next bond issuance in FY 2022.
- The Proposed CIP recommends the use of Sanitary Sewers Maintenance and Connection Fees, and Sanitary Sewer Fund Balance in lieu of additional borrowing. The current Sanitary Sewer Maintenance Fee and available fund balance is sufficient to support the City's capital program for the 10 year plan.

## CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



## Project Categorization

The Proposed FY 2021 – FY 2030 CIP addresses four broad areas of expenditure:

- Protection of the City's investment in existing public facilities or infrastructure (physical assets) through capital maintenance or renovations;
- Planning and construction of major new public facilities and infrastructure, including new or replacement information technology systems;
- Planning and construction of major infrastructure related to the City's stormwater management systems; and
- Alexandria City Public Schools capital infrastructure needs.

The Proposed FY 2021 – FY 2030 CIP is consistent with capital plans from recent years in that it places a strong emphasis on maintaining the existing core facilities and infrastructure of the City, while utilizing new funding to provide support for projects that will provide new and expanded City facilities. This

focus is supported by the continued use of the same three-Category prioritization system used in the development of the Approved FY 2020 – FY 2029 CIP.

Similar to FY 2020, the Office of Management and Budget (OMB) categorized projects into one of three categories, as well as Alexandria City Public Schools (ACPS) funding and the City's Information Technology (IT) Plan. The Approved FY 2019 – FY 2028 CIP added three additional categories: Task Force Recommendations & Contingency Funding, CIP Development & Implementation Staff, and Affordable Housing. The distribution of funding across the different categories, IT, and ACPS is shown above. Categories are defined as follows:

- **Category 1: Asset Maintenance** – funding streams that cover an ongoing maintenance need for an existing City asset;
- **Category 2: Renovations/Existing Assets** – specific large renovation or restoration projects that are necessary cyclically or periodically, but can be scheduled for a specific time period. These projects also pertain to existing City assets;
- **Category 3: New Facilities** – projects that result in a new or expanded facility or level of service and can be scheduled;
- **Alexandria City Public Schools (ACPS)** – represents the total of all approved funding for ACPS;
- **Information Technology Plan** – projects included in the ten-year plan that are Information Technology focused;

Project Category	Total FY 2021 - 2030
Category 1 - Asset Maintenance	\$ 722,617,402
Category 2 - Renovations/Existing Assets	\$ 155,853,192
Category 3 - New Facilities	\$ 396,432,315
Alexandria City Public Schools (Category 1, 2, & 3 Projects)	\$ 530,713,900
Information Technology Plan	\$ 108,239,899
Affordable Housing	\$ 69,341,000
Reservation of Bond Capacity/Cash Capital for City/School Facilities	\$ 32,000,000
CIP Development & Implementation Staff	\$ 89,057,440
<b>Total, All Categories</b>	<b>\$ 2,104,255,148</b>

## CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



- **Affordable Housing** – represents the funding dedicated to Affordable Housing projects by City Council through the one percent increase in the restaurant and meals tax averaging about \$5.6 million per year, and the \$1 million per year for Affordable Housing that the City committed to as part Northern Virginia’s efforts to attract the Amazon HQ2 campus to the Alexandria-Arlington area;
- **Reservation of Bond Capacity/Cash Capital for City/School Facilities** – funding that remains in contingency based on the recommendations from the Ad-Hoc Joint City/School Facilities Investment Task Force.; and
- **CIP Development & Implementation Staff** – funding for City staff that are working directly on implementing capital projects that are charged to the CIP.

Beyond basic capital maintenance issues, the Proposed FY 2021 – FY 2030 CIP reflects a vision for the City’s future. The FY 2021 CIP decision making process included an initial effort to integrate the capital plan with City Council’s guidance, the Strategic Plan and budget guidance, and many of these projects are considered new facilities, or Category 3 projects. Of the \$396.4 million in Category 3 projects, \$180.7 million (from both City and non-City sources) is for new and expanded transportation and transit infrastructure projects, including construction of the Beaugard/West End Transit Corridor (Strategic Theme 10 – Multimodal Transportation).

Other significant Category 3 projects include:

- Funding for capital infrastructure improvements associated with the Waterfront Plan Implementation (\$102.0 million);
- Funding to continue improvements to City athletic fields and conversions to synthetic turf (\$21.4 million); and
- Funding to expand the DASH bus facility and bus fleet (\$25.8 million).

CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



## CIP PURPOSE & DEFINITIONS

The adoption of the CIP by the City Council is an indication of its support of both the capital projects that the City intends to pursue, and a plan for the anticipated levels of financing needed to fund these capital projects over the 10-year period.

The adoption of the 10-year CIP is neither a firm commitment to a particular project nor a limitation to a particular cost. As a basic tool for prioritizing and scheduling anticipated capital projects and capital financing, the CIP is a key element in planning and managing future debt service requirements. Only the first year of the CIP (FY 2020) represents a funding commitment for the project to proceed to the next stage, or to be implemented depending on the level of funding provided.

The City defines capital project expenditures (as opposed to an operating expenditure) as:

***An expenditure of more than \$10,000 that acquires, expands, repairs, or rehabilitates a physical asset with a useful life of at least three years and typically much longer than three years. These also include technology related expenditures.***

It does not include day-to-day maintenance expenditures such as custodial or janitorial services, minor (less than \$10,000) carpentry, minor electrical and plumbing repairs, or repair or routine replacement of fixtures or furniture.

### CIP Priorities for FY 2021 – FY 2030

The Proposed FY 2021 – FY 2030 CIP is largely consistent with- and follows the guidelines outlined during the development of the Approved FY 2020 – FY 2029 CIP. These guidelines included:

- Using the previously approved CIP as the “base” for the Proposed FY 2021 – FY 2030 CIP;
- Incorporating City Council guidance and policy directions into the plan;
- Working to align projects with the City’s Strategic Plan and City Manager’s budget priorities;
- Preserving and maintaining the City’s existing physical assets;
- Addressing ACPS capital needs; and
- Addressing Washington Metropolitan Area Transportation Authority (WMATA) capital requests.

CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



## Development of Proposed CIP

The development of the Proposed FY 2021 – FY 2030 CIP began in June 2018, with the submission of project funding requests by departments. The Proposed CIP represents a major revision year for the CIP, which follows a biennial development cycle. As such, departments were asked to submit information for all projects that were contemplated in the Approved FY 2020 – FY 2029 CIP, along with any new capital projects to be considered by the City. Submission information include project scope and timing, major project components, and the basis for project cost estimations.

Project submission forms were due in mid-September 2019.

During the fall of 2019, the CIP Steering Committee began meeting to discuss and make recommendations on the development of the CIP. The committee is responsible for recommending the project composition and funding levels of the Proposed CIP to the City Manager. This committee consists of members of the City Manager's Office and the department heads of the most capital project intensive departments in the City. For the FY 2021 – FY 2030 CIP Development process, the committee included department heads from the Department of General Services; Recreation, Parks & Cultural Activities; the Department of Transportation & Environmental Services; the Department of Information Technology Services; the Department of Project Implementation; and the Department of Planning & Zoning. The Steering Committee is chaired by a Deputy City Manager and coordinated through the Office of Management and Budget (OMB).

Additionally, during the fall of 2019, City staff held four CIP worksessions with City Council to provide additional time to deliberate on capital needs and discuss some of the major projects and policy issues facing the City's capital program. These worksessions included a Joint City Council/School Board session to discuss the Schools' capital needs.

The CIP Steering Committee met throughout the fall of 2019 to craft a CIP recommendation for the City Manager and to outline major policy issues facing the CIP. The committee presented its recommendations to the City Manager in January 2020. Subsequently, the City Manager worked with OMB to finalize the project composition and funding levels recommended in the Proposed FY 2021 – FY 2030 CIP for presentation to City Council on February 18, 2020.

CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview

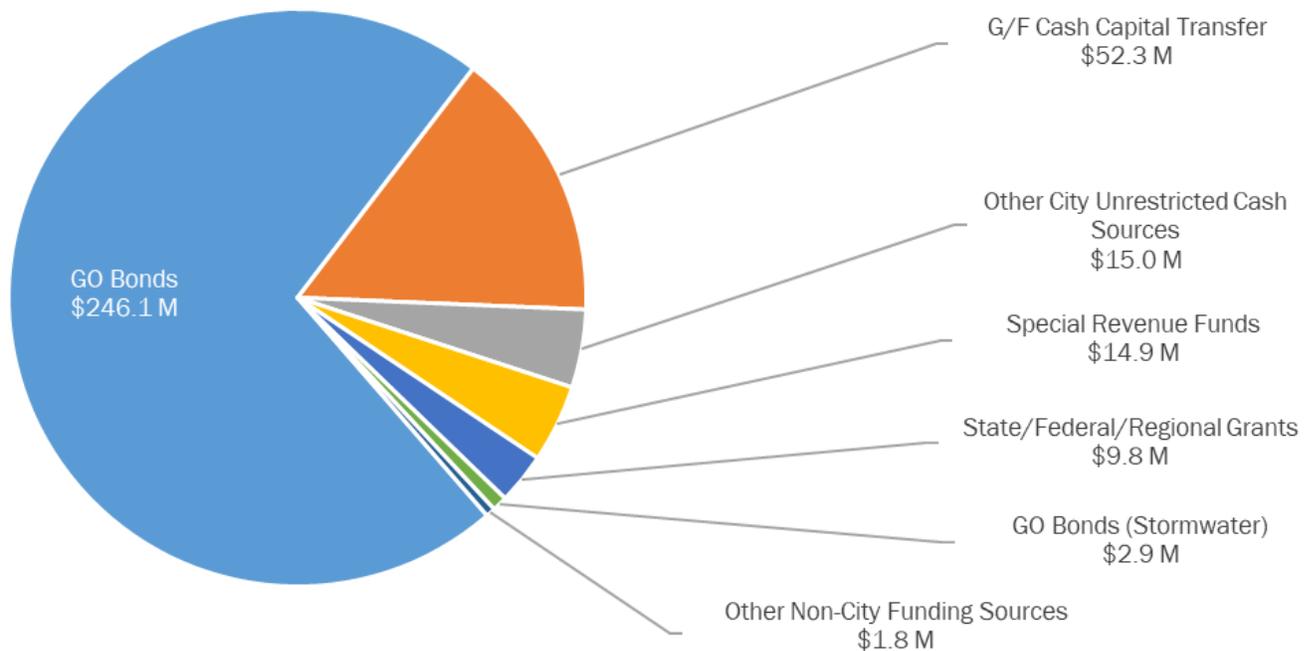


## FY 2021 PROPOSED CIP SOURCES AND USES

### FY 2021 Capital Year Budget Revenues (Sources)

The total proposed single year CIP for FY 2021 is \$342.7 million; a \$52.7 million increase from FY 2020 in last year’s approved CIP, which is largely attributable to the City Manager’s proposed full funding of the School Board Approved CIP, which includes significant investments Douglas MacArthur Elementary School and the High School project in FY 2021. **A listing of all revenues included in the FY 2021 – FY 2030 CIP including the FY 2021 Capital Year Budget can be found in the Summary Funding Tables section of the Full CIP Document.**

### FY 2021 Capital Budget Revenues \$342.7 million



## CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



Revenue highlights of the Proposed FY 2021 Capital Year Budget expenditures include:

- FY 2021 revenues are split between borrowing (72.7%) and cash sources (27.3%). In municipal finance, there are no generally recognized specific mathematical benchmarks for cash capital funding. In general having an overall CIP which is 25% cash capital from all cash sources over time is considered very healthy.
- The General Fund Cash Capital Transfer amount is \$48.0 million, or 6.0% of General Fund Expenditures. In January 2015, City Council set a target of 2.5%, and a minimum of 2.0% (which would have been equal to \$15.2 million). This includes the proposed 2-cent increase in the real estate tax rate necessary to support School and City capital programs.
- The Proposed CIP continues to reflect the one percent increase in the restaurant and meals tax that was approved by City Council beginning in FY 2019 and was dedicated to investments in Affordable Housing. This dedication totals \$5.1 million in FY 2021.
- The Proposed FY 2021 CIP includes \$2.6 in revenue from the Stormwater Utility fee in FY 2020 and \$2.9 million in GO Bonds, backed by Stormwater Utility fee revenue.
- Non-City revenues sources, including Comcast revenues, State/Federal grants and Northern Virginia Transportation Authority (NVTA) revenues total \$11.6 million.

CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview

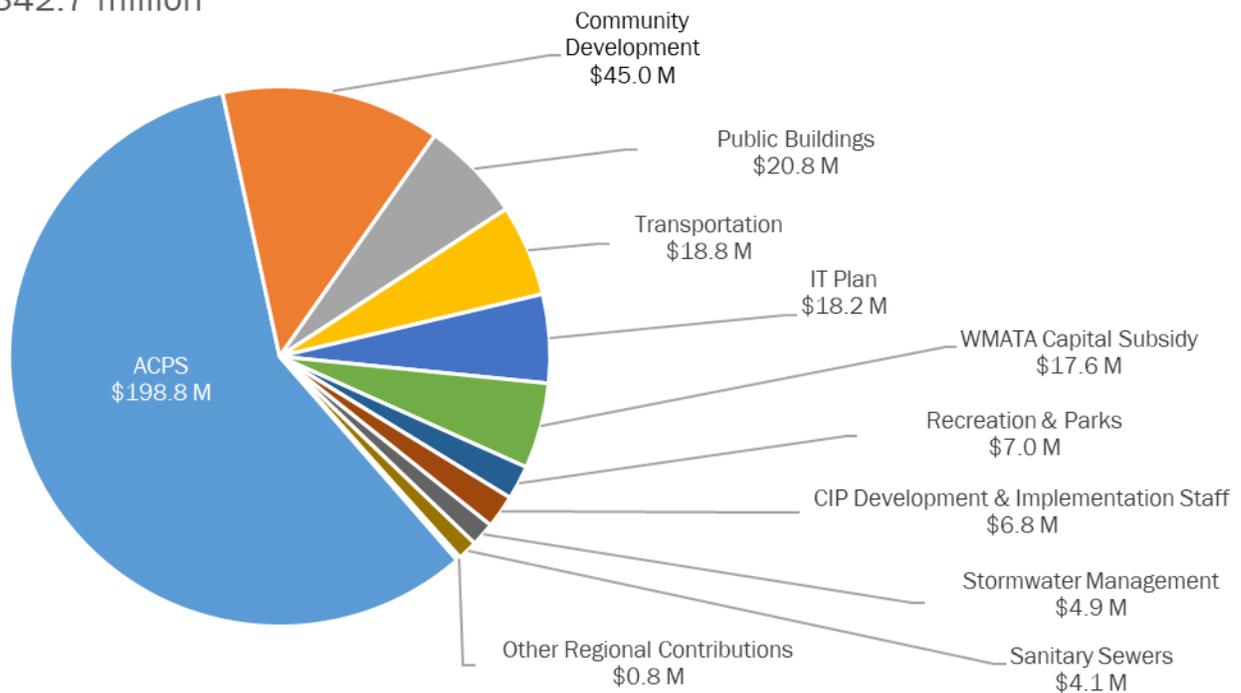


## FY 2021 Capital Year Budget Expenditures (Uses)

The total proposed single year CIP for FY 2021 is \$342.7 million; a \$52.7 million increase from FY 2020 in last year’s approved CIP, which is largely attributable to the City Manager’s proposed full funding of the School Board Approved CIP, which includes significant investments Douglas MacArthur Elementary School and the High School project in FY 2021. FY 2021 is the only year of the 10-year CIP that is formally appropriated at this time as part of the budget by City Council. **A listing of all projects included in the FY 2021 – FY 2030 CIP including the FY 2021 Capital Year Budget can be found in the Summary Expenditure Tables section of the full CIP document.** The chart below and the narrative below detail only FY 2021 Capital Year Budget highlights by CIP document section.

### FY 2021 Capital Budget Expenditures

\$342.7 million



Project highlights of the Proposed FY 2021 Capital Year Budget expenditures include:

- **Alexandria City Public Schools (\$198.8 million FY 2021 Capital Year Budget)**
  - The Proposed FY 2021 – FY 2030 CIP includes funding for 100% of the School Board’s 10-year \$530.7 million request. For FY 2021 the Proposed CIP reflects funding for all ACPS identified capacity and non-capacity needs. Both the City’s approved 10-year CIP and the School Board’s approved 10-year CIP continue to reflect the recommendations of the Ad Hoc Joint City/Schools Joint Facilities Task Force.

## CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



- **Transportation (\$36.4 million FY 2020 Capital Year Budget)**
  - \$17.6 million to support the WMATA Capital Improvement Program. This funding level reflects the impact of legislation passed by the Virginia General Assembly in 2018 to provide a dedicated funding stream for WMATA’s capital improvement needs.
  - \$5.5 million for Street Reconstruction and Resurfacing. This includes an additional \$0.9 million of City funds to replace unrealized state revenue sharing funds in FY 2021. Resurfacing of lane miles will increase from an estimated 22 miles resurfaced in FY 2014, to over 55 miles resurfaced in FY 2021.
  - \$7.5 million for bridge repairs and refurbishments. This includes \$1.4 million in repairs identified by the long-term bridge maintenance plan and assessment recently completed by the City, and \$6.0 million for the anticipated joint Alexandria-Arlington Four Mile Run Bridge Program agreement, which is contingency upon the two neighboring jurisdiction enter into a cost sharing agreement for the repair and replacement of the five-bridge inventory connecting the two jurisdictions over Four Mile Run.
  
- **Recreation and Parks (\$7.8 million FY 2021 Capital Year Budget)**
  - \$2.0 million for recreation programming space contemplated as part of the rebuild of the Douglas MacArthur Elementary School
  - \$0.8 million for repairs identified by the facilities condition assessment conducted at Chinquapin Recreation Center
  - \$0.3 million for the renovation and maintenance of trees planted along City Streets, in parks, and on school grounds and other public properties
  
- **Public Buildings (\$20.0 million FY 2021 Capital Year Budget)**
  - \$13.8 million for identified maintenance and repair projects, as part of the City’s Capital Facilities Maintenance Programs (CFMPs)
  - \$2.0 million for critical upgrades and renovations to the Alexandria Courthouse
  - \$1.5 million to conduct high priority repairs to City Hall and continue planning for the City Hall Renovation project
  
- **Information Technology Plan (\$18.2 million FY 2021 Capital Year Budget)**
  - \$7.6 million in investments in Public Safety Systems, including upgrades to the City’s Computer Aided Dispatch (CAD) system, and replacement of the City’s Parking Citation System
  - \$6.6 million to invest in the City’s court records system (AJIS)
  - \$8.0 million is budgeted to maintain the City’s IT infrastructure, with \$1.7 million of those costs offset by Comcast revenue earmarked for network infrastructure improvements.

## CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



- **Sanitary Sewers (\$4.1 million for FY 2021 Capital Year Budget)**
  - FY 2021 funding maintains the portions of the Sanitary Sewer system under the City's responsibility, along with supporting AlexRenew's efforts to construct the mitigation projects. In 2018, the City entered into an agreement with Alexandria Renew Enterprises (AlexRenew) to transfer ownership of the Combined Sewer Outfalls (CSOs), along with responsibility for constructing and financing infrastructure to mitigate CSO overflows.
  
- **Stormwater Management (\$4.9 million FY 2021 Capital Year Budget)**
  - \$0.5 million to continue Stream & Channel Maintenance projects
  - \$0.8 million to maintain and repair existing Stormwater Management assets
  
- **Community Development (\$45.0 million FY 2021 Capital Year Budget)**
  - \$9.6 million for investments in Affordable Housing. This includes \$5.1 million in funding from the restaurant and meals tax dedication approved by City Council in 2018, along with an additional \$1 million committed to Affordable Housing by the City as part of the region's efforts to attract the Amazon HQ2 campus to Northern Virginia. Additionally, this includes \$3.5 million to refund a bridge loan from fund balance approved by City Council in 2019, which allowed the City to partner with state and regional partners to purchase the Avana apartment complex.
  - \$30.5 million to advance work on flood mitigation along the City's Waterfront, and begin to pursue a progressive Design-Build delivery method.
  
- **Other Regional Contributions (\$0.8 million FY 2021 Capital Year Budget)**
  - \$0.43 million in capital improvements for the Northern Virginia Regional Parks Authority (NVRPA) and \$0.36 million in capital improvements at the Northern Virginia Community College (NVCC) are included in the Proposed CIP.

CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview

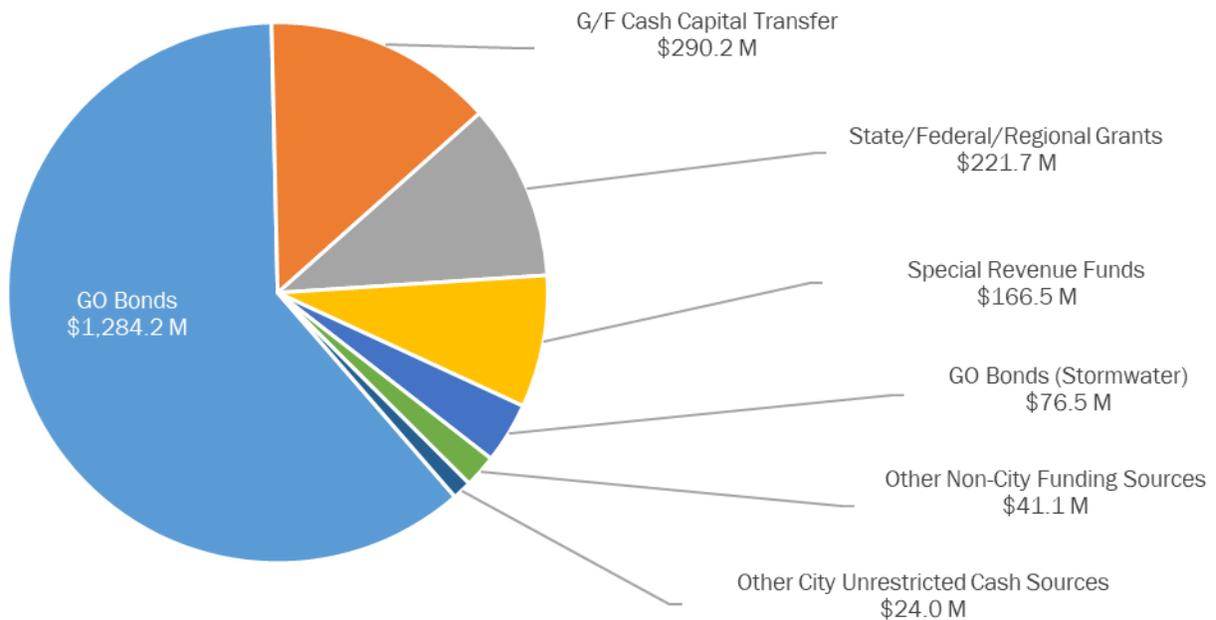


## FY 2021 – FY 2030 PROPOSED CIP SOURCES AND USES

### FY 2021 – FY 2030 Capital Improvement Program – Ten-Year Sources and Uses Overview

The total Proposed CIP for FY 2021 – FY 2030 is \$2.10 billion, a \$486.4 million increase from last year’s approved CIP. This represents 30.1% increase over last year’s plan, which is attributable to the substantial revisions that occurred during the development of the Proposed FY 2021 – FY 2030 CIP. This included consideration of new capital projects, revised scopes and timing of existing capital projects, and significant recosting of capital projects to account for changes in the regional construction, materials, and labor cost increases. **A listing of all funding sources included in the FY 2021 – FY 2030 CIP can be found in the Summary Funding Tables section of the full CIP document.** The narrative below provides only highlights of the 10-year plan revenues and expenditures.

### FY 2021 - FY 2030 CIP Revenues \$2.10 billion



CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



## **FY 2021 – FY 2030 CIP Revenue (Sources) highlights include:**

- Continued use of Northern Virginia Transportation Authority (NVTA) for both regional (Transit Corridor “C” – West End Transitway) and local (DASH bus replacements) projects. A total of \$31.2 million is budgeted from NVTA sources in the FY 2020 – FY 2029 Approved CIP.
- The General Fund Cash Capital Transfer is above the City Council approved target of 2.5% of General Fund expenditures annually, averaging 3.2% over the ten-year plan. The percentage as it relates to total General Fund expenditures in FY 2021 is 6.0%.
- The Proposed CIP reflects the one percent dedication of the restaurant meals tax to investments in Affordable Housing. This dedication, along with additional committed funds, totals \$69.3 million over the 10-year plan.
- Private development contributions supporting capital infrastructure projects throughout the City totals \$37.4 million.
- Stormwater Utility Fees will provide an estimated \$25.5 million in funding for the Proposed CIP and an additional \$76.5 million in utility fee backed GO Bonds.
- State and federal grant sources provide \$190.6 million over the 10-year plan to support investments in the City’s transportation infrastructure, including improvements to streets, bridges, and intersections (\$14.1 million), public transit (\$67.6 million), and the City’s Smart Mobility Program (\$15.2 million).

CITY OF ALEXANDRIA, VIRGINIA

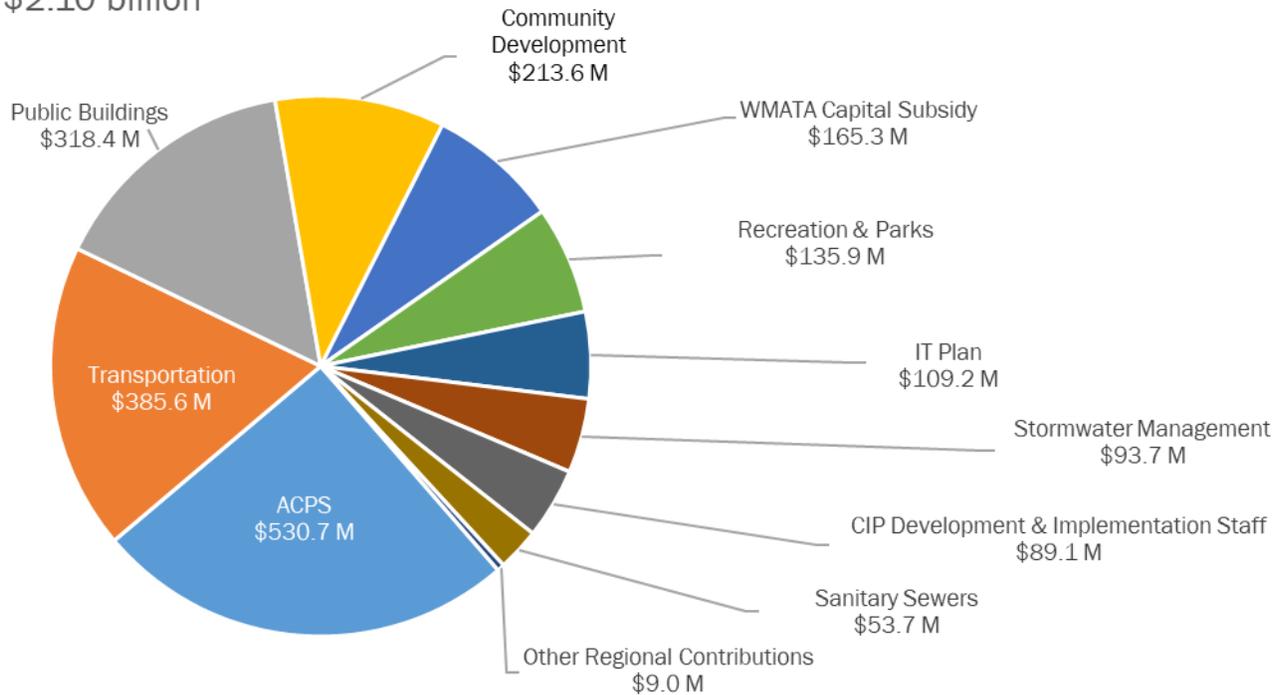
# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



**FY 2021 – FY 2030 CIP Project (Uses) highlights include:**

## FY 2021 - FY 2030 CIP Expenditures

\$2.10 billion



- The School Board’s Approved FY 2021 – FY 2030 CIP is fully funded in the City Manager’s Proposed CIP (\$530.7 million)
- The Proposed CIP includes \$233.5 million to fund the City’s Capital Facility Maintenance Programs (CFMPs) and other major renovations (i.e. City Hall).
- Stormwater funding totals \$93.7 million to begin to address long-term capital infrastructure needs related to state and federally mandated improvements.
- Funding to begin implementation of the Waterfront Plan and to construct flood mitigation infrastructure, totaling \$102.0 million, which will allow the City the flexibility to pursue a progressive design-build delivery method for the project. Although this represents a significant increase in the anticipated funding over last year’s Approved CIP, it is likely that the funding for this project will need to be revisited as scope and design are refined further.
- Funding to begin implementation of the Transit Corridor “C” – West End Transitway totals \$69.4 million in the ten year plan.
- Funding to continue the City’s Street Reconstruction and Repaving program totals \$58.4 million over the ten year plan.
- DASH Bus Fleet Replacements total \$80.2 million over the ten-year plan, which will allow DASH to begin electrification of the bus fleet.
- WMATA capital funding totaling \$165.3 million. This capital support includes the City’s local match required as part of the recently enacted State dedicated funding. This amount does not include the planned use of NVTC proceeds from State and gas tax funding which the City will use to offset some of the capital costs.

CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview

## DEBT RATIOS, CASH CAPITAL, & DEBT SERVICE



The Proposed FY 2021 – FY 2030 Capital Improvement Program assumes borrowing in the amount of \$1.36 billion to fund the capital infrastructure needs identified throughout this document. Included in that amount are \$76.5 million in bonds for Stormwater Management projects backed by the Stormwater Utility. A total of \$1.28 billion in bonds are planned over the ten years for other City projects, including Alexandria City Public Schools capital infrastructure needs (borrowing comprises \$467.3 million of future ACPS capital costs in the ten-year plan, primarily associated with school capacity projects).

While the ten-year CIP includes additional borrowing, the plan also assumes the re-payment of \$794.8 million in principal payments on prior year and planned bond issuances. Of this \$794.8 million in principal payments, \$43.5 million will be paid through Sanitary Sewer fees, Stormwater Utility fees, and the Potomac Yard generated tax revenues. The debt service on the remaining bonds is paid back through the City's General Fund. This amount of debt planned is consistent with debt ratios that support the City's hard-earned AAA/Aaa bond ratings. Additional borrowing will impact the annual operating budget through increased debt service payments.

### City Council Approved Debt Ratios

City Council passed a set of debt-related financial policies on June 9, 1987. During FY 1998, the Budget and Fiscal Affairs Advisory Committee (BFAAC), a City Council appointed citizen committee, analyzed these debt-related financial policies, and examined the City's financial condition in comparison to other jurisdictions with superior credit ratings (other double-triple A rated jurisdictions). The BFAAC and the City Manager recommended that City Council reaffirm the updated debt-related financial policies, incorporating BFAAC's recommended updates to the policies to establish a consistent set of appropriate relationships between debt targets and limits.

City Council reaffirmed its commitment to sound financial management and adopted the updated debt-related financial policies on December 9, 1997. City Council amended the policies on October 26, 1999, to allow priority consideration for an increase in the assignment of fund balance for capital project funding. On June 24, 2008, City Council adopted the City Manager's recommendation, endorsed by BFAAC, to revise the target and limit upward, reflecting the ratio of debt as a percentage of total personal income.

As part of the FY 2018 – FY 2027 CIP, City Council approved modifications to the City's Adopted Debt Ratios, endorsed by BFAAC, that (1) accommodate the City's current capital needs, (2) give the City the flexibility to meet future/unanticipated capital needs, and (3) maintain a fiscally moderate position for the City that is in line with regional comparators and what bond rating agencies would view as acceptable. The changes outlined as follows will continue to support the City's status as an AAA/Aaa bond rated jurisdiction.

## CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



Debt Ratio	Previous Ratios			City Council Changes Adopted as Part of Approved FY 2018 - FY 2027 CIP		
	Target	Limit	Exemptions	Target	Limit	Exemptions
Debt as a Percentage of Fair Market Real Property Value	1.10%	1.60%	Sanitary Sewer Debt	Set by CIP	2.50%	Sanitary Sewer & Stormwater Debt
Debt as a Percentage of Total Personal Income	3.20%	4.50%	Sanitary Sewer Debt	DELETED AS A MEASURE		
Debt Service as a Percentage of General Government Expenditures	8.00%	10.00%	Sanitary Sewer Debt	Set by CIP	12.00%	Sanitary Sewer & Stormwater Debt
10-Year Debt Payout Ratio	NOT A PRIOR MEASURE			65.00%	50.00%	Debt Issuances Specific to Assets with a 20+ year Useful Life

Staff recommended changes to the Debt as a Percentage of Real Property Value and Debt Service as a Percentage of General Government Expenditures policies after comparing the City's current policy and forecasted capital needs to the adopted policies and actual practices of relevant comparator jurisdictions. The ratios' limits were adjusted to a level that was sufficient to address anticipated future needs, provide additional capacity for unanticipated needs, remain compatible with each other, and avoid another adjustment in the near future, while being considered reasonable by the rating agencies. The methodology for selection of the proposed rate included review by the City's financial advisors.

The establishment of a 10-Year Debt Payout Ratio target of 50% formalizes the City's current practice of structuring debt with level principal payments. Highly-rated jurisdictions such as the City of Alexandria often structure debt using level principal payments.

**Each year of the 10-year plan stays within these approved limits** for the Debt as a Percentage of Fair Market Real Property Value, Debt Service as a Percentage of General Government Expenditures, and the 10-Year Debt Payout ratios.

### Planned FY 2021 Borrowing

The Proposed FY 2021 Capital Budget identifies the use of \$249.0 million in borrowing to support critical investments in City facilities, School Facilities, and transportation and environmental infrastructure. Based on staff's analysis of the projected cash flow of existing on-going projects and the planned projects scheduled to begin in FY 2021, and because of on hand available bond balances, the City will not schedule issuing the bonds contemplated to fund FY 2021 capital projects until FY 2022. As such, the debt ratio projections on the following pages and the debt service expenditures included in the Proposed Operating Budget reflect this planned borrowing schedule.

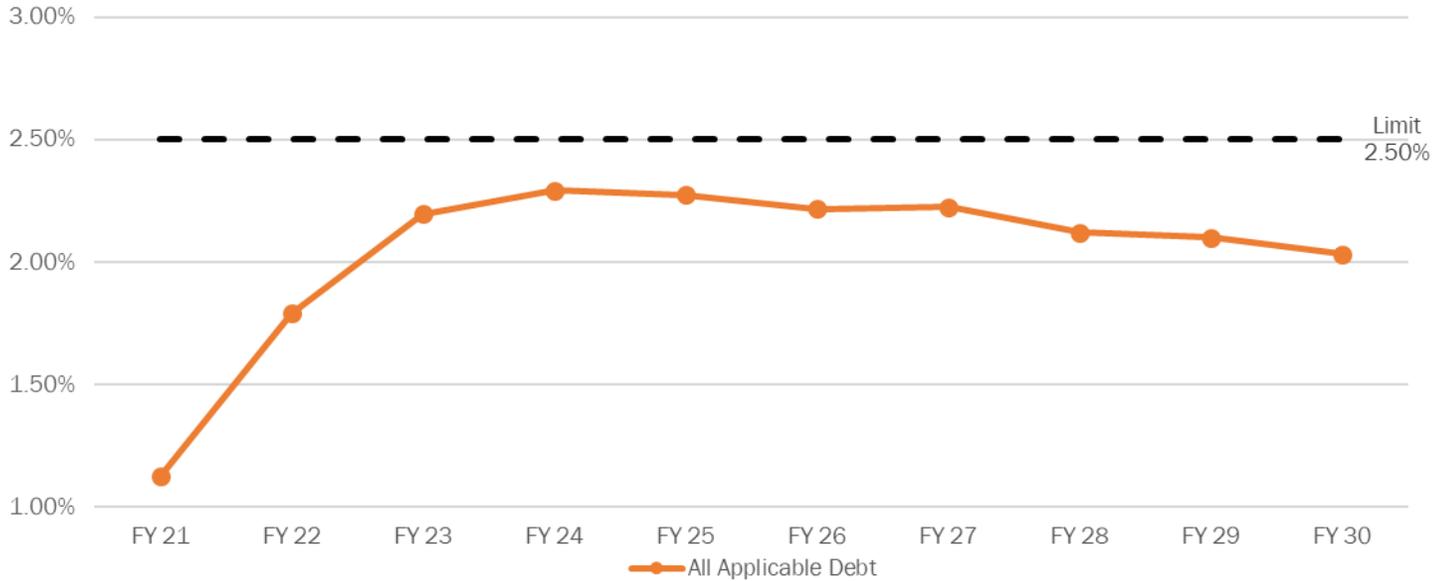
CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



### Debt as a Percentage of Fair Market Real Property Value

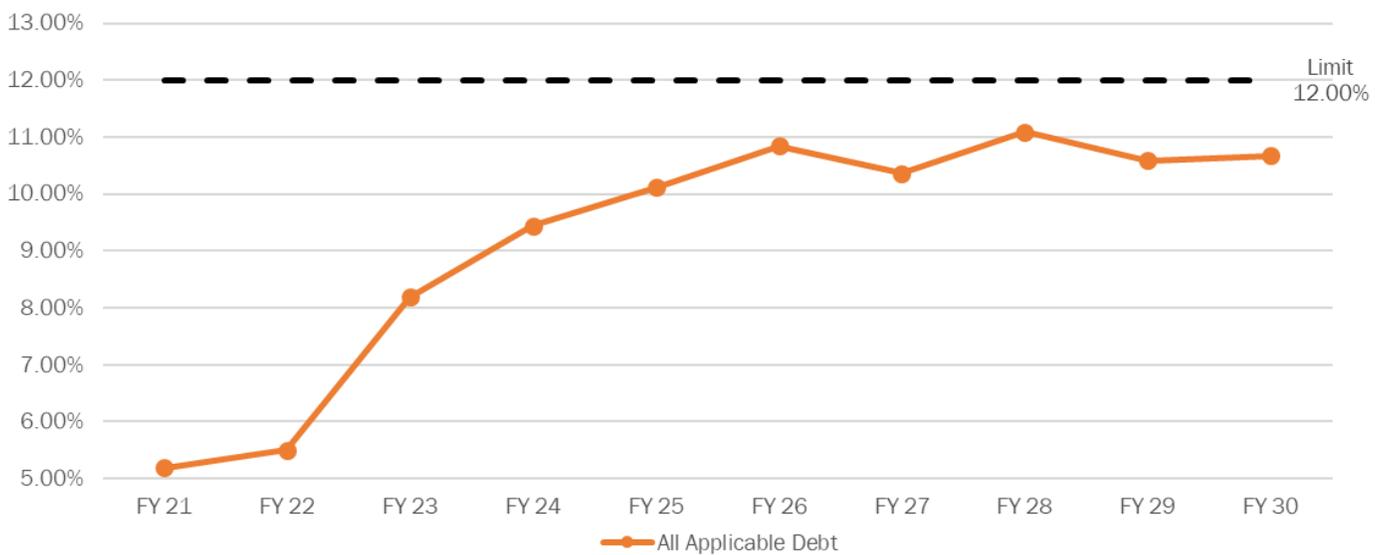
Limit = 2.50 percent; FY 2021 = 1.12 percent



This ratio indicates the relationship between the City’s debt and the full value of real property in the City as assessed annually at fair market value. It is an important indicator of the City’s ability to repay debt because real property taxes are the primary source of the City’s revenues used to repay debt. A small ratio is an indication that the City will be better able to withstand possible future economic downturns and continue to meet its debt obligations. The City will be in compliance with this debt ratio for all 10 years of the plan.

### Debt Service as a Percentage of General Government Expenditures

Limit = 12.0 percent; FY 2021 = 5.19 percent



CITY OF ALEXANDRIA, VIRGINIA

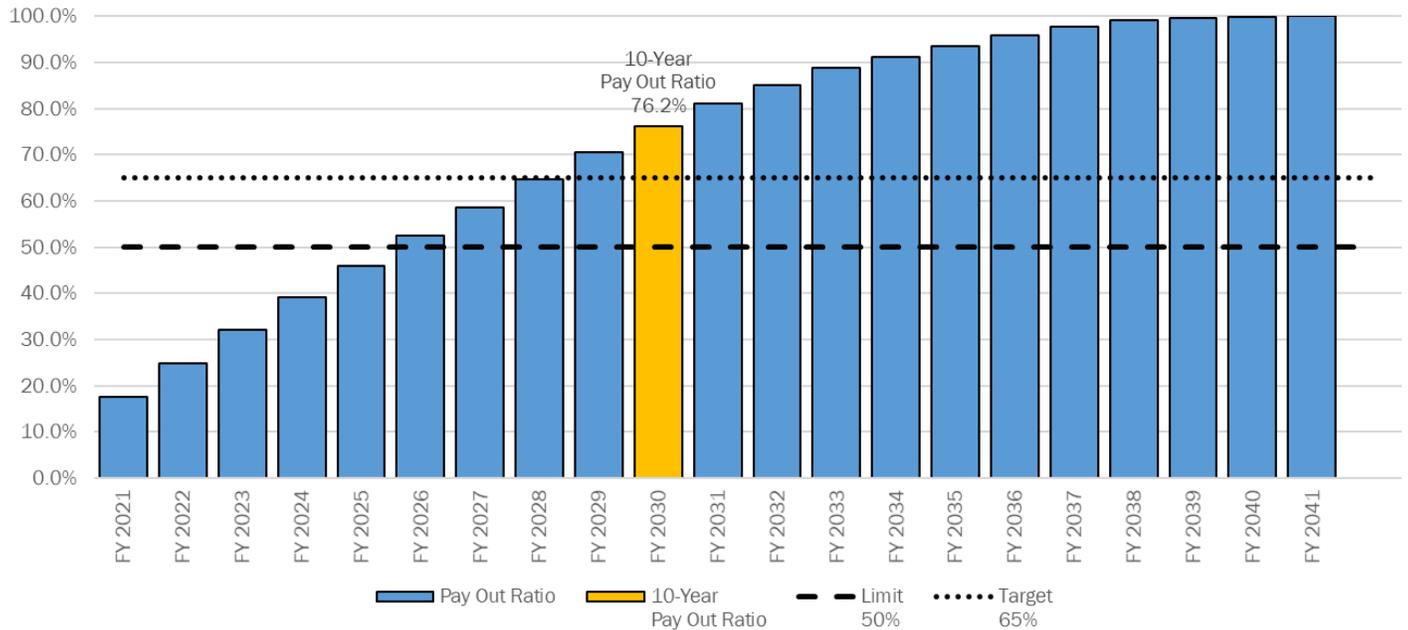


# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview

This ratio is a measure of the City’s ability to repay debt without hampering other City services. A small ratio indicates a lesser burden on the City’s operating budget. The City will be in compliance with this debt ratio for all 10 years.

**10-Year Debt Payout Ratio**

**Limit = 50.0 percent; Target = 65.0 percent; FY 2021 = 76.2 percent**



This ratio compares how much debt is structured to be paid off in a given period of time. A more aggressive repayment structure results in a higher ratio. The speed of the repayment of outstanding debt is one of the areas in which local governments are evaluated by the bond rating agencies. A payout ratio at or greater than 50 percent is typically viewed favorably and as best practice for municipal debt management.

CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



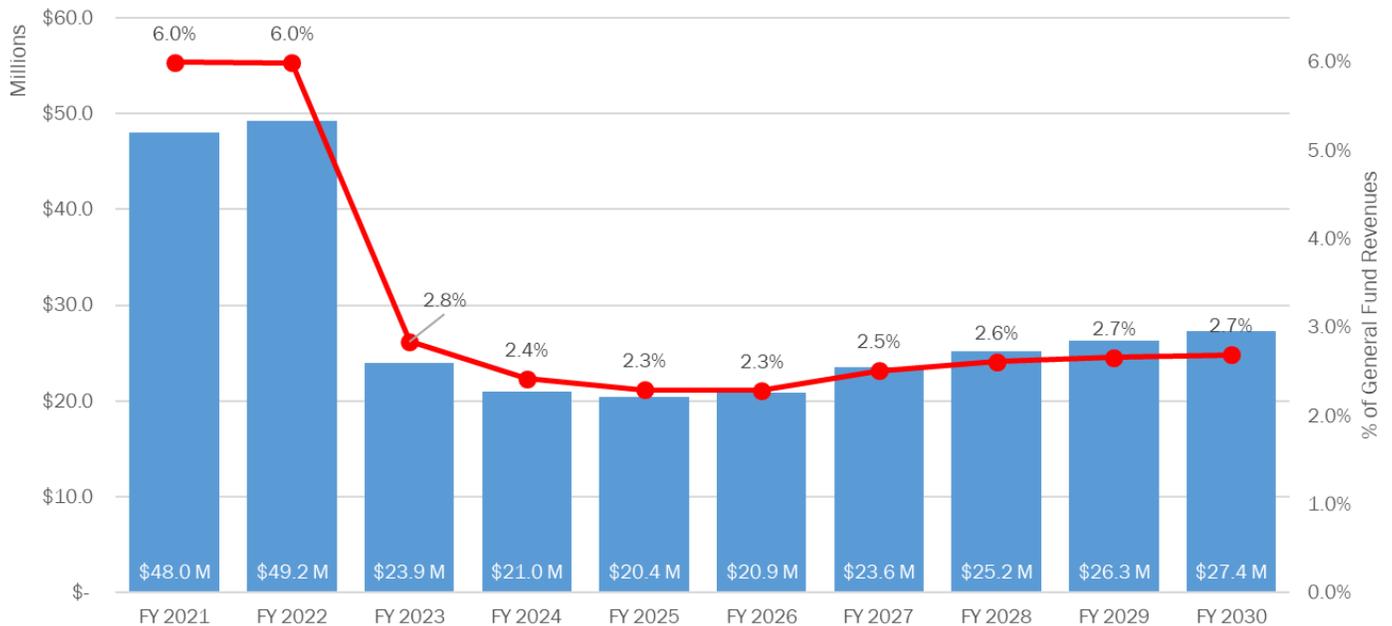
## General Fund Cash Capital Transfer

City Council adopted, in January 2015, a General Fund Cash Capital Transfer target of 2.5% and a “floor” of 2.0% of General Fund expenditures to support the CIP. Providing a minimum and a target helps ensure that cash capital will be maintained at a healthy level, while maintaining flexibility in setting budget priorities between the annual General Fund Operating Budget and annual cash capital transfer from the General Fund to the CIP.

This cash capital policy provides City staff the flexibility to develop sustainable and affordable General Fund support to the CIP through debt service paid on General Obligation Bonds and a recurring cash capital transfer supporting City Council capital infrastructure priorities in the ten-year CIP. Furthermore, this policy ties the cash capital closely to the General Fund, and allow cash capital to grow or decrease proportionally with the General Fund, while still providing the necessary resources to maintain the City's capital infrastructure. The proposed 10-year CIP reflects a cash capital transfer equal to 3.2% of General Fund expenditures.

The chart below details the planned level of the General Fund Cash Capital Transfer in each year of the CIP along with the percentage of estimated General Fund expenditures comprised by the General Fund Cash Capital Transfer. The General Fund Cash Capital Transfer represents 39.0% of all cash sources used to finance the ten-year plan.

**General Fund Cash Capital Transfer - Proposed FY 2021 - 2030**



CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview

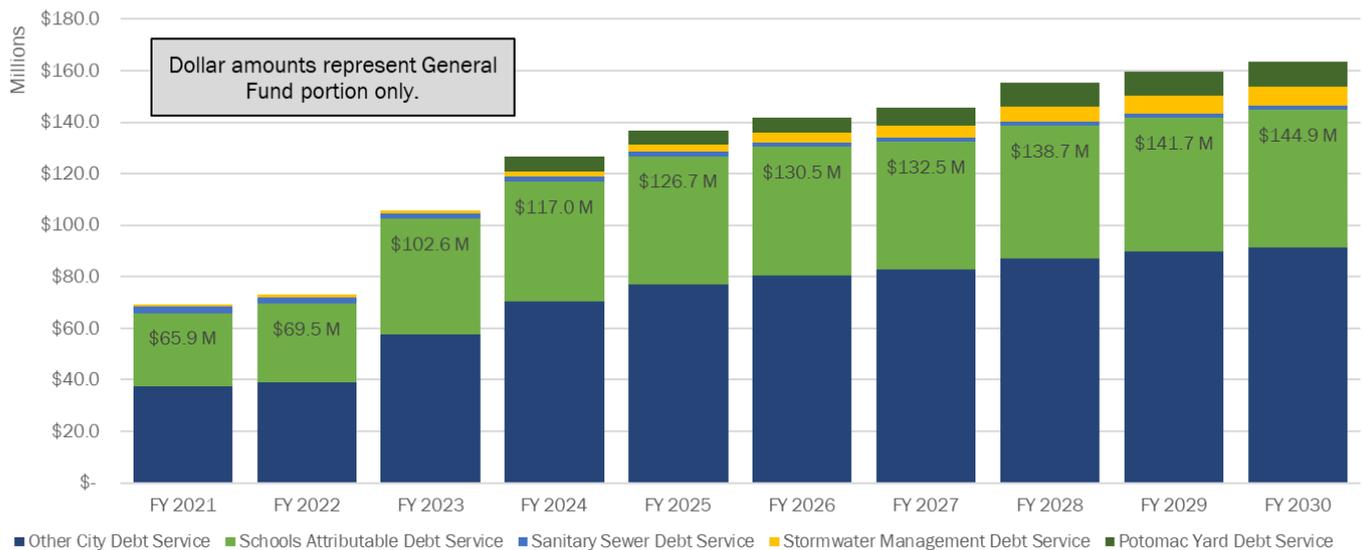


## Debt Service

While the City stays within fiscally prudent debt guidelines for General Fund supported projects, debt service payments will continue to grow in order to fund the debt service on previously issued and planned debt issuances. As debt service continues to grow (as evidenced in the chart below), and City revenues continue to experience minimal to moderate growth, the City will be facing a tax rate versus a capital/operating funding set of decisions. The chart below provides details on the projected debt service payments for both existing debt (issued through FY 2019) and planned debt (FY 2020 through FY 2029).

Debt service is broken down into five categories – Other City Debt Service, Schools Attributable Debt Service, Sanitary Sewer Debt Service, Stormwater Management Debt Service, and Potomac Yard Debt Service (which is paid for by Potomac Yard generated tax and developer revenues). In FY 2021, \$69.4 million is estimated for debt service payments, which is level with last year’s budgeted debt service payments. Of the \$69.4 million total, \$3.6 million will be paid from the Sanitary Sewer Fund and the Stormwater Utility enterprise funds.

### FY 2021 - 2030 Debt Service Attribution



Debt Service (\$ in millions)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030
General Fund Supported Debt Service	\$65.9	\$69.5	\$102.6	\$117.0	\$126.7	\$130.5	\$132.5	\$138.7	\$141.7	\$144.9
Potomac Yard Debt Service	\$0.0	\$0.0	\$0.0	\$5.7	\$5.7	\$5.7	\$6.8	\$9.3	\$9.5	\$9.6
Sanitary Sewer Debt Service	\$2.7	\$2.5	\$1.8	\$2.0	\$1.7	\$1.5	\$1.4	\$1.4	\$1.6	\$1.5
Stormwater Management Debt Service	\$0.9	\$1.0	\$1.3	\$1.9	\$2.8	\$4.1	\$4.8	\$5.8	\$7.0	\$7.5
<b>Total Debt Service</b>	<b>\$69.4</b>	<b>\$73.1</b>	<b>\$105.7</b>	<b>\$126.6</b>	<b>\$136.9</b>	<b>\$141.7</b>	<b>\$145.6</b>	<b>\$155.2</b>	<b>\$159.8</b>	<b>\$163.5</b>
Total \$ Change Over Prior Year		\$3.7	\$32.6	\$20.9	\$10.3	\$4.8	\$3.9	\$9.6	\$4.6	\$3.7
Total % Change Over Prior Year		5.3%	44.6%	19.8%	8.1%	3.5%	2.8%	6.6%	3.0%	2.3%

CITY OF ALEXANDRIA, VIRGINIA



# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview

## GENERAL FUND SUPPORT OF CAPITAL PROGRAM

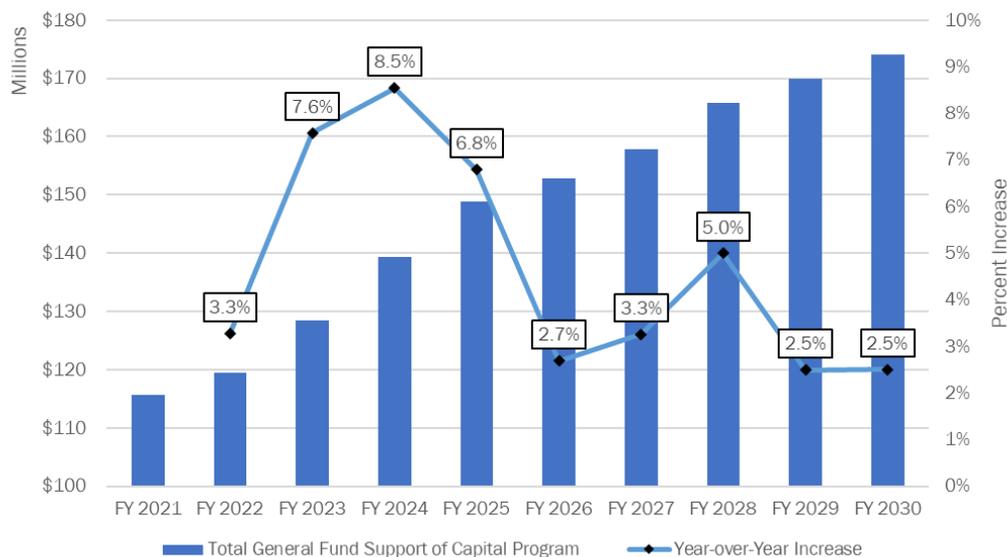
The Proposed FY 2021 – FY 2030 CIP represents a major revision of the existing capital program and a significant increase in commitment to investing in the City and School’s capital needs. This results in a total Proposed CIP for FY 2021 – FY 2030 of \$2.10 billion, a \$486.4 million (+30.1%) increase from last year’s approved CIP. This includes funding for 100% of the School Board Approved FY 2021 – FY 2030 CIP, which represents a large portion of this required general fund support. Of the City unrestricted funding sources in the CIP (general fund cash capital and general obligation bonds), the Schools Capital Program will use 33% of identified sources. Additionally, the School Board Approved FY 2021 – FY 2030 CIP is frontloaded, with \$282.6 million out of \$530.7 million in planned expenditures occurring in the first two years of their CIP. This early and large allocation of CIP sources will require the use of borrowing and creates a substantial amount of pressure on the City’s general fund through increases in debt service.

Although the City continues to pursue a diversified funding stream for the CIP, including \$262.8 million in Non-City funds in the proposed 10 year plan, financing the capital program will a significant investment of both cash capital from- and borrowing serviced by the City’s general fund. The Proposed CIP contemplates a use of direct cash capital and borrowing (and the debt service that this requires) that will result in \$1.47 billion of general fund operating budget expenditures over the course of the 10 year plan.

In addition to the 5 cent increase in the real estate tax rate approved in the FY 2017 and FY 2018 budgets for capital investment, the Proposed CIP includes a 2-cent tax rate increase to support the CIP, specifically as it relates to the School’s capital program and the near-term debt service pressure caused by the frontloading of the High School project and the rebuild of the Douglas MacArthur Elementary School. Additional tax rate increases, or significant reductions in the general fund operating budget, will be necessary in FY 2023 and FY 2025 to continue to support the increased investments in School Capital needs.

The Proposed CIP includes smoothing of the general fund operating budget support of the capital program by converting portions of the general fund cash capital included in previously approved CIPs into debt service. The chart below illustrates in the smoothed increases in general fund operating budget support necessary for the \$2.10 billion Proposed CIP; the year-over-year average increase is 4.7%.

**General Fund Operating Budget Support of Capital Program**



CITY OF ALEXANDRIA, VIRGINIA

# Proposed FY 2021 – FY 2030 Capital Improvement Program Overview



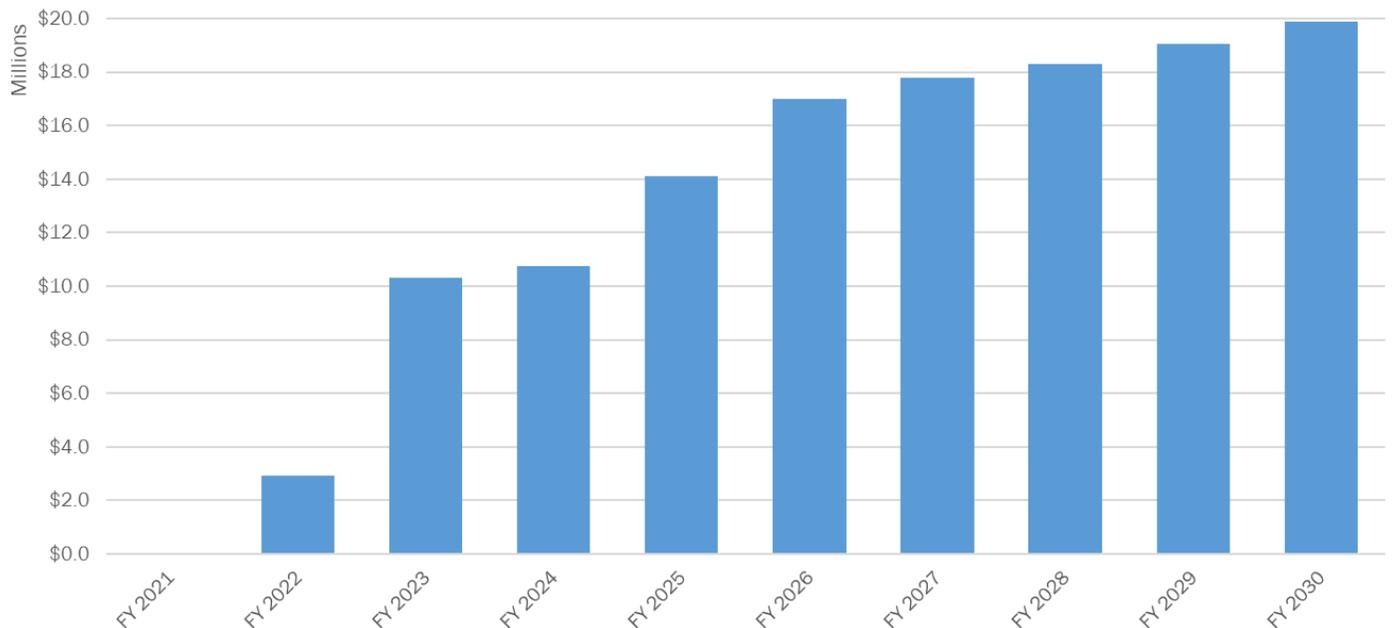
## ADDITIONAL OPERATING IMPACT

In addition to the General Fund impacts of both the Cash Capital transfer and debt service payments, the CIP also has operating impacts based on the actual projects implemented. These costs can be as simple as additional operating funding to maintain a new park, to additional staffing required to operate a new Computer Aided Dispatch System, to utility costs associated with opening a new City facility.

As part of the Proposed FY 2021 – FY 2030 CIP, an additional operating analysis was performed for each project and impacts are noted on each individual project page of the Capital Improvement Program document. While not all impacts will be charged against the General Fund, the estimated operating impact could be as much as \$19.8 million in additional resources needed in FY 2030 as a result of City capital projects (excluding the operating impacts of ACPS capital projects). The chart below indicates a significant increase in operating impacts between FY 2022 and FY 2026, which is largely driven by the anticipated operating cost increase of DASH service expansion provided by grant-funded bus fleet expansion, and the opening of the Potomac Yard Metrorail Station, which will impact the City’s operating subsidy paid to WMATA.

**In some cases, these additional increases noted may be offset with new revenues or transitioning from shifting priorities or changing business practices within the City. Additional operating impacts are updated annually, and are refined as the project moves closer to the current capital year budget.** The chart below indicates the additional operating impact by fiscal year.

**FY 2021 - FY 2030 CIP Annual Operating Impact (All Funds)**



# SUMMARY EXPENDITURE TABLES

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**Table 1**  
**Proposed FY 2021 – FY 2030 Capital Improvement Program**  
**Total Sources and Uses of Capital Improvement Program Funds**

Source of Funds	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTAL FY 2021 - 2030
<b>All City Cash Sources (Cash Capital)</b>											
General Fund Planned Appropriations (Transfer from General Fund)	39,486,127	49,220,000	23,945,000	20,980,000	20,440,000	20,920,000	23,555,000	25,195,000	26,330,000	27,350,000	277,421,127
Use of CIP Designated Fund Balance	10,000,000	3,000,000	2,500,000	2,500,000	1,000,000	-	-	-	-	-	19,000,000
Tax Rate Increase (Includes June Payment)	12,770,256	-	-	-	-	-	-	-	-	-	12,770,256
Reprogrammed Capital Balances	5,000,000	-	-	-	-	-	-	-	-	-	5,000,000
<b>Subtotal, All Unrestricted City Cash Sources</b>	<b>67,256,383</b>	<b>52,220,000</b>	<b>26,445,000</b>	<b>23,480,000</b>	<b>21,440,000</b>	<b>20,920,000</b>	<b>23,555,000</b>	<b>25,195,000</b>	<b>26,330,000</b>	<b>27,350,000</b>	<b>314,191,383</b>
<b>Unrestricted Borrowing Sources</b>											
General Obligation Bonds (Excl. Sewers/TIP/Potomac Yard)	246,087,876	204,742,300	166,351,600	117,734,800	96,937,300	80,595,200	115,118,350	62,189,800	109,252,200	85,232,450	1,284,241,876
<b>Subtotal, All Unrestricted City Sources</b>	<b>313,344,259</b>	<b>256,962,300</b>	<b>192,796,600</b>	<b>141,214,800</b>	<b>118,377,300</b>	<b>101,515,200</b>	<b>138,673,350</b>	<b>87,384,800</b>	<b>135,582,200</b>	<b>112,582,450</b>	<b>1,598,433,259</b>
<b>Restricted City Sources</b>											
Meals Tax Dedication for Affordable Housing	5,100,000	5,202,000	5,306,000	5,412,000	5,520,000	5,630,000	5,743,000	5,858,000	5,975,000	6,095,000	55,841,000
Code Fund Balance	300,000	100,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	100,000	1,700,000
Potomac Yard Special Tax District Revenue	201,351	211,800	222,900	234,000	246,100	258,200	271,300	284,400	298,500	313,600	2,542,151
Sanitary Sewer Fees and Fund Balance	4,898,020	9,185,000	9,230,000	7,628,100	5,427,000	5,479,000	5,534,000	5,591,000	5,651,000	5,715,000	64,338,120
Stormwater Utility Fees	2,624,740	2,539,000	2,540,200	2,540,100	2,540,400	2,539,300	2,540,800	2,539,600	2,540,500	2,541,400	25,486,040
General Obligation Bonds - Stormwater Management	2,910,000	3,570,000	3,845,000	8,020,000	15,110,000	7,665,000	9,255,000	16,205,000	6,990,000	2,890,000	76,460,000
Cash Capital - Transportation Improvement Program	1,747,104	667,000	1,903,300	1,460,000	1,765,500	1,509,000	1,833,500	1,871,500	1,906,800	1,946,300	16,610,004
<b>Subtotal, Restricted City Sources</b>	<b>17,781,215</b>	<b>21,474,800</b>	<b>23,147,400</b>	<b>25,394,200</b>	<b>30,709,000</b>	<b>23,180,500</b>	<b>25,527,600</b>	<b>32,699,500</b>	<b>23,461,800</b>	<b>19,601,300</b>	<b>242,977,315</b>
<b>Non-City Sources</b>											
CMAQ/RSTP	1,554,491	400,000	850,000	505,745	3,084,550	-	-	-	-	-	6,394,786
Comcast Revenues	1,700,000	1,000,000	1,000,000	-	-	-	-	-	-	-	3,700,000
NVTA 30%	3,483,000	3,625,000	3,771,000	3,921,000	4,075,000	1,833,000	1,924,000	2,017,000	2,113,000	2,211,000	28,973,000
NVTA 70%	-	2,200,000	-	-	-	-	-	-	-	-	2,200,000
Private Capital Contributions	100,000	100,000	3,600,000	16,300,000	16,800,000	100,000	100,000	100,000	100,000	100,000	37,400,000
State/Federal Grants	4,118,982	23,553,538	11,513,850	41,137,212	47,082,455	-	-	-	-	-	127,406,037
State/Federal Grants (Unsecured)	-	2,550,000	6,232,800	4,644,100	-	4,666,100	9,671,850	-	4,370,400	10,503,450	42,638,700
State Revenue Sharing	632,051	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	14,132,051
<b>Subtotal, Non-City Sources</b>	<b>11,588,524</b>	<b>34,928,538</b>	<b>28,467,650</b>	<b>68,008,057</b>	<b>72,542,005</b>	<b>8,099,100</b>	<b>13,195,850</b>	<b>3,617,000</b>	<b>8,083,400</b>	<b>14,314,450</b>	<b>262,844,574</b>
<b>Total, All Sources</b>	<b>342,713,998</b>	<b>313,365,638</b>	<b>244,411,650</b>	<b>234,617,057</b>	<b>221,628,305</b>	<b>132,794,800</b>	<b>177,396,800</b>	<b>123,701,300</b>	<b>167,127,400</b>	<b>146,498,200</b>	<b>2,104,255,148</b>
% from Bonds	72.7%	66.5%	69.6%	53.6%	50.6%	66.5%	70.1%	63.4%	69.6%	60.2%	64.7%
% from City and Other Cash Sources	27.3%	33.5%	30.4%	46.4%	49.4%	33.5%	29.9%	36.6%	30.4%	39.8%	35.3%

General Fund Operating Support of Capital Program	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTAL FY 2021 - 2030
<b>General Fund Debt Service (Existing and Projected)</b>											
City Projects	37,288,070	38,985,884	57,773,317	70,368,491	77,035,684	80,432,917	82,692,157	87,159,248	89,650,055	91,384,518	712,770,342
School Projects	28,578,698	30,520,552	44,825,558	46,607,263	49,650,340	50,032,166	49,798,707	51,538,765	52,015,527	53,471,386	457,038,961
<b>General Fund Debt Service (Existing and Projected)</b>	<b>65,866,768</b>	<b>69,506,436</b>	<b>102,598,875</b>	<b>116,975,754</b>	<b>126,686,024</b>	<b>130,465,084</b>	<b>132,490,864</b>	<b>138,698,013</b>	<b>141,665,582</b>	<b>144,855,904</b>	<b>1,169,809,303</b>
<b>Cash Capital Funding</b>											
General Fund Cash Capital	47,999,631	49,220,000	23,945,000	20,980,000	20,440,000	20,920,000	23,555,000	25,195,000	26,330,000	27,350,000	285,934,631
Cash Capital - Transportation Improvement Program	1,747,104	667,000	1,903,300	1,460,000	1,765,500	1,509,000	1,833,500	1,871,500	1,906,800	1,946,300	16,610,004
<b>Total Cash Capital Funding</b>	<b>49,746,735</b>	<b>49,887,000</b>	<b>25,848,300</b>	<b>22,440,000</b>	<b>22,205,500</b>	<b>22,429,000</b>	<b>25,388,500</b>	<b>27,066,500</b>	<b>28,236,800</b>	<b>29,296,300</b>	<b>302,544,635</b>
<b>Total General Fund Support of Capital Program</b>	<b>115,613,503</b>	<b>119,393,436</b>	<b>128,447,175</b>	<b>139,415,754</b>	<b>148,891,524</b>	<b>152,894,084</b>	<b>157,879,364</b>	<b>165,764,513</b>	<b>169,902,382</b>	<b>174,152,204</b>	<b>1,472,353,938</b>
<i>Year-over-Year Increase</i>		3.3%	7.6%	8.5%	6.8%	2.7%	3.3%	5.0%	2.5%	2.5%	
<b>Proposed Revenue Increases to Support City and School Capital ††</b>											
FY 2021 Real Estate Property Tax (+2¢)	8,513,504	8,743,000	8,979,000	9,221,000	9,470,000	9,726,000	9,989,000	10,259,000	10,536,000	10,820,000	96,256,504
FY 2021 Real Estate Property Tax (+2¢)	-	-	8,979,000	9,221,000	9,470,000	9,726,000	9,989,000	10,259,000	10,536,000	10,820,000	79,000,000
FY 2021 Real Estate Property Tax (+2¢)	-	-	-	-	9,470,000	9,726,000	9,989,000	10,259,000	10,536,000	10,820,000	60,800,000
<b>Total Proposed New Revenue to Mitigate Existing General Fund Support of Capital Program</b>	<b>8,513,504</b>	<b>8,743,000</b>	<b>17,958,000</b>	<b>18,442,000</b>	<b>28,410,000</b>	<b>29,178,000</b>	<b>29,967,000</b>	<b>30,777,000</b>	<b>31,608,000</b>	<b>32,460,000</b>	<b>236,056,504</b>

**Notes**  
 †Planned Tax Rate increases necessary to support School and City Capital Programs may be used as direct cash capital or to pay debt service on borrowing for capital projects. Allocation of funds will dependent on project timing and cash flows needs at time of budget development.  
 †Conversion of Planned Tax Rate increases for School and City Capital Programs to debt service could yield \$280 million - \$320 million, depending on available borrowing interest rates.

All Uses (CIP Document Section)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTAL FY 2021 - 2030
Schools	198,801,600	83,827,400	23,711,800	41,592,400	37,756,200	16,529,200	39,644,600	20,026,800	53,861,500	14,962,400	530,713,900
Community Development	45,017,596	85,509,900	10,696,800	8,368,000	10,386,200	8,464,300	10,400,500	11,929,500	11,614,500	11,203,400	213,590,696
Recreation & Parks	6,953,432	10,514,500	26,193,200	15,162,200	7,839,800	7,027,900	27,877,400	7,983,600	11,205,900	15,115,200	135,873,132
Public Buildings	20,832,661	38,457,400	86,063,500	39,306,800	25,796,300	33,877,700	17,960,300	13,600,300	16,595,000	25,936,400	318,426,361
Transportation	36,435,753	59,010,738	63,635,250	93,581,057	94,872,705	35,213,300	47,803,800	29,236,400	39,658,500	51,501,800	550,949,303
Sanitary Sewers	4,055,000	8,300,000	8,300,000	6,651,100	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	53,706,100
Stormwater Management	4,880,250	5,422,000	5,663,200	9,802,100	16,853,400	9,366,300	10,915,800	17,820,600	8,560,500	4,412,400	93,696,550
Other Regional Contributions	787,767	877,000	886,000	895,000	903,000	912,000	921,000	931,000	940,000	949,000	9,001,767
IT Plan	18,170,799	13,971,100	11,415,600	11,023,300	14,177,700	7,932,900	7,952,900	7,781,000	9,804,700	7,009,900	109,239,899
CIP Development & Implementation Staff	6,779,140	7,475,600	7,846,300	8,235,100	8,643,000	9,071,200	9,520,500	9,992,100	10,486,800	11,007,700	89,057,440
<b>Grand Total</b>	<b>342,713,998</b>	<b>313,365,638</b>	<b>244,411,650</b>	<b>234,617,057</b>	<b>221,628,305</b>	<b>132,794,800</b>	<b>177,396,800</b>	<b>123,701,300</b>	<b>167,127,400</b>	<b>146,498,200</b>	<b>2,104,255,148</b>

**Table 2**  
**Proposed FY 2021 – FY 2030 Capital Improvement Program**  
**Summary of Capital Improvement Program Expenditures – City Share**

All Uses (CIP Document Section)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTAL FY 2021 - 2030
Schools	198,801,600	83,827,400	23,711,800	41,592,400	37,756,200	16,529,200	39,644,600	20,026,800	53,861,500	14,962,400	530,713,900
Community Development	45,017,596	85,509,900	10,696,800	8,368,000	10,386,200	8,464,300	10,400,500	11,929,500	11,614,500	11,203,400	213,590,696
Recreation & Parks	6,853,432	8,514,500	26,093,200	15,062,200	7,739,800	6,927,900	27,777,400	7,883,600	11,105,900	15,015,200	132,973,132
Public Buildings	18,389,661	37,807,400	86,063,500	39,306,800	25,796,300	33,877,700	17,960,300	13,600,300	16,595,000	25,936,400	315,333,361
Transportation	29,090,229	27,732,200	36,267,600	25,673,000	22,430,700	27,214,200	34,707,950	25,719,400	31,675,100	37,287,350	297,797,729
Sanitary Sewers	4,055,000	8,300,000	8,300,000	6,651,100	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	53,706,100
Stormwater Management	4,880,250	5,422,000	5,663,200	9,802,100	16,853,400	9,366,300	10,915,800	17,820,600	8,560,500	4,412,400	93,696,550
Other Regional Contributions	787,767	877,000	886,000	895,000	903,000	912,000	921,000	931,000	940,000	949,000	9,001,767
IT Plan	16,470,799	12,971,100	10,415,600	11,023,300	14,177,700	7,932,900	7,952,900	7,781,000	9,804,700	7,009,900	105,539,899
CIP Development & Implementation Staff	6,779,140	7,475,600	7,846,300	8,235,100	8,643,000	9,071,200	9,520,500	9,992,100	10,486,800	11,007,700	89,057,440
<b>TOTAL Proposed FY 2021 - FY 2030 (City Share)</b>	<b>331,125,474</b>	<b>278,437,100</b>	<b>215,944,000</b>	<b>166,609,000</b>	<b>149,086,300</b>	<b>124,695,700</b>	<b>164,200,950</b>	<b>120,084,300</b>	<b>159,044,000</b>	<b>132,183,750</b>	<b>1,841,410,574</b>

**Table 3**  
**Proposed FY 2021 – FY 2030 Capital Improvement Program**  
**Summary of Capital Improvement Program Expenditures – Non-City Share**

All Uses (CIP Document Section)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTAL FY 2021 - 2030
Schools	-	-	-	-	-	-	-	-	-	-	-
Community Development	-	-	-	-	-	-	-	-	-	-	-
Recreation & Parks	100,000	2,000,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	2,900,000
Public Buildings	2,443,000	650,000	-	-	-	-	-	-	-	-	3,093,000
Transportation	7,345,524	31,278,538	27,367,650	67,908,057	72,442,005	7,999,100	13,095,850	3,517,000	7,983,400	14,214,450	253,151,574
Sanitary Sewers	-	-	-	-	-	-	-	-	-	-	-
Stormwater Management	-	-	-	-	-	-	-	-	-	-	-
Other Regional Contributions	-	-	-	-	-	-	-	-	-	-	-
IT Plan	1,700,000	1,000,000	1,000,000	-	-	-	-	-	-	-	3,700,000
CIP Development & Implementation Staff	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL Proposed FY 2021 - FY 2030 (Non-City Share)</b>	<b>11,588,524</b>	<b>34,928,538</b>	<b>28,467,650</b>	<b>68,008,057</b>	<b>72,542,005</b>	<b>8,099,100</b>	<b>13,195,850</b>	<b>3,617,000</b>	<b>8,083,400</b>	<b>14,314,450</b>	<b>262,844,574</b>

## Table 4

# Proposed FY 2021 – FY 2030 Capital Improvement Program Summary of Projects by CIP Document Section

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021- FY 2030
<b>ACPS</b>												
ACPS Capital Program	436,887,828	198,801,600	83,827,400	23,711,800	41,592,400	37,756,200	16,529,200	39,644,600	20,026,800	53,861,500	14,962,400	530,713,900
<b>ACPS Total</b>	<b>436,887,828</b>	<b>198,801,600</b>	<b>83,827,400</b>	<b>23,711,800</b>	<b>41,592,400</b>	<b>37,756,200</b>	<b>16,529,200</b>	<b>39,644,600</b>	<b>20,026,800</b>	<b>53,861,500</b>	<b>14,962,400</b>	<b>530,713,900</b>
<b>ACPS Total</b>												
<b>Community Development</b>												
Affordable Housing												
Affordable Housing Funding	10,596,200	9,600,000	6,202,000	6,306,000	6,412,000	6,520,000	6,630,000	6,743,000	6,858,000	6,975,000	7,095,000	69,341,000
<b>Affordable Housing Total</b>	<b>10,596,200</b>	<b>9,600,000</b>	<b>6,202,000</b>	<b>6,306,000</b>	<b>6,412,000</b>	<b>6,520,000</b>	<b>6,630,000</b>	<b>6,743,000</b>	<b>6,858,000</b>	<b>6,975,000</b>	<b>7,095,000</b>	<b>69,341,000</b>
<b>City-Wide Amenities</b>												
Gadsby Lighting Fixtures & Poles Replacement	1,360,000	950,000	950,000	950,000	0	84,500	0	89,600	92,300	0	97,900	3,214,300
Office of Historic Alexandria Initiatives	400,483	422,212	47,400	265,200	273,200	168,900	173,900	186,500	0	0	0	1,537,312
Public Art Acquisition	1,810,064	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Public Art Conservation Program	192,500	50,000	51,600	63,900	43,800	56,400	58,000	59,800	73,900	50,800	65,400	573,600
Transportation Signage & Wayfinding System	2,296,000	130,000	141,000	0	0	0	0	0	0	0	0	271,000
<b>City-Wide Amenities Total</b>	<b>6,059,047</b>	<b>1,802,212</b>	<b>1,440,000</b>	<b>1,529,100</b>	<b>567,000</b>	<b>559,800</b>	<b>481,900</b>	<b>585,900</b>	<b>416,200</b>	<b>300,800</b>	<b>413,300</b>	<b>8,096,212</b>
<b>Neighborhood Planning</b>												
Braddock Road Area Plan - Streetscape Improvements	722,564	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	450,000
Development Studies	1,625,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
EW & LVD Implementation - Developer Contributions Analysis	100,000	0	0	0	0	0	0	0	0	0	0	0
EW & LVD Implementation - Infrastructure Plan	500,000	0	0	0	0	0	0	0	0	0	0	0
Waterfront Small Area Plan Implementation (w/ Construction Funding)	18,443,000	30,500,000	71,500,000	0	0	0	0	0	0	0	0	102,000,000
<b>Neighborhood Planning Total</b>	<b>21,390,564</b>	<b>30,795,000</b>	<b>71,795,000</b>	<b>295,000</b>	<b>104,950,000</b>							
<b>Public Safety Enhancements</b>												
Citywide Street Lighting	1,785,501	875,000	25,800	26,600	27,400	28,200	29,000	29,900	30,800	31,700	32,700	1,137,100
Fire Department Vehicles & Apparatus	18,153,727	611,924	3,019,600	1,867,700	499,100	2,267,200	529,500	2,102,100	3,789,000	3,350,300	2,781,200	20,817,624
Fire Hydrant Maintenance Program	0	350,000	360,500	371,400	382,500	394,000	289,900	298,600	307,500	316,700	326,200	3,397,300
Police Body Worn Cameras	0	0	TBD	0	0	0	0	0	0	0	0	0
<b>Public Safety Enhancements Total</b>	<b>19,939,228</b>	<b>1,836,924</b>	<b>3,405,900</b>	<b>2,265,700</b>	<b>909,000</b>	<b>2,689,400</b>	<b>848,400</b>	<b>2,430,600</b>	<b>4,127,300</b>	<b>3,698,700</b>	<b>3,140,100</b>	<b>25,352,024</b>
<b>Waterways Maintenance &amp; Improvements</b>												
Environmental Restoration	1,271,049	283,460	167,000	301,000	185,000	322,000	209,000	346,000	233,000	345,000	260,000	2,651,460
Oronoco Outfall Remediation Project	10,491,505	450,000	2,500,000	0	0	0	0	0	0	0	0	2,950,000
Stream Valley Design Guidelines	0	250,000	0	0	0	0	0	0	0	0	0	250,000
<b>Waterways Maintenance &amp; Improvements Total</b>	<b>11,762,554</b>	<b>983,460</b>	<b>2,667,000</b>	<b>301,000</b>	<b>185,000</b>	<b>322,000</b>	<b>209,000</b>	<b>346,000</b>	<b>233,000</b>	<b>345,000</b>	<b>260,000</b>	<b>5,851,460</b>
<b>Community Development Total</b>	<b>69,747,593</b>	<b>45,017,596</b>	<b>85,509,900</b>	<b>10,696,800</b>	<b>8,368,000</b>	<b>10,386,200</b>	<b>8,464,300</b>	<b>10,400,500</b>	<b>11,929,500</b>	<b>11,614,500</b>	<b>11,203,400</b>	<b>213,590,696</b>
<b>Reservation of Bond Capacity/Cash Capital for City/School Facilities</b>												
Reservation of Bond Capacity/Cash Capital for City/School Facilities												
City & School Land Acquisition and DCHS Colocation Investment	38,785,000	0	0	0	0	0	0	0	0	0	0	0
<b>Reservation of Bond Capacity/Cash Capital for City/School Facilities Total</b>	<b>38,785,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Reservation of Bond Capacity/Cash Capital for City/School Facilities Total</b>	<b>38,785,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Recreation &amp; Parks</b>												
<b>Aquatics Facilities</b>												
Neighborhood Pool Demolition and Conversion	622,259	0	461,000	0	0	0	0	0	0	0	0	461,000
Old Town Pool Renovations	0	0	0	530,500	8,600,000	0	0	0	0	0	0	9,130,500
Public Pools	1,311,114	52,000	53,800	103,100	106,200	109,400	112,500	116,000	123,400	158,500	163,200	1,098,100
<b>Aquatics Facilities Total</b>	<b>1,933,373</b>	<b>52,000</b>	<b>514,800</b>	<b>633,600</b>	<b>8,706,200</b>	<b>109,400</b>	<b>112,500</b>	<b>116,000</b>	<b>123,400</b>	<b>158,500</b>	<b>163,200</b>	<b>10,689,600</b>
<b>Open Space Acquisition &amp; Development</b>												
Open Space Acquisition and Develop.	22,451,863	0	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	6,750,000
<b>Open Space Acquisition &amp; Development Total</b>	<b>22,451,863</b>	<b>0</b>	<b>750,000</b>	<b>6,750,000</b>								
<b>Park Maintenance &amp; Improvements</b>												
Americans with Disabilities Act (ADA) Requirements	1,523,813	100,000	103,000	106,300	109,400	112,700	116,000	131,500	135,300	139,600	143,600	1,197,400
Athletic Field Improvements (incl. Synthetic Turf)	9,938,875	0	0	13,500,000	2,063,800	770,900	812,300	672,100	1,475,400	1,416,800	727,400	21,438,700
Ball Court Renovations	2,145,313	150,000	154,500	159,200	164,100	169,000	174,000	194,200	203,100	209,200	215,500	1,792,800
Cameron Run Regional Park Feasibility Study	0	100,000	0	0	0	281,400	0	0	0	0	0	381,400
Community Matching Fund	662,741	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
Four Mile Run Park	0	0	0	0	0	1,236,000	566,500	19,570,000	0	0	0	21,372,500
Four Mile Run Park Wetlands Connector Bridge	817,000	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trail Repairs	0	1,000,000	5,000,000	0	0	0	0	0	0	0	0	6,000,000
Park Maintenance Facilities	30,000	0	0	0	0	0	0	0	0	0	0	0
Park Renovations CFMP	5,585,848	416,000	423,600	441,500	454,700	468,400	482,400	547,100	553,600	570,200	587,300	4,944,800
Patrick Henry Turf Fields and Recreation Center	0	0	0	2,363,600	0	0	0	0	0	0	0	2,363,600
Pavement in Parks	1,000,000	200,000	200,000	225,000	240,000	240,000	240,000	275,000	275,000	275,000	275,000	2,445,000
Playground Renovations CFMP	6,479,628	622,000	1,010,400	1,060,300	1,071,900	1,104,100	1,137,200	954,500	983,200	1,012,700	1,043,100	9,999,400
Potomac Yard Park Basketball Court Lights	150,000	0	0	0	0	0	0	0	0	0	0	0
Restroom Renovations	1,110,000	0	0	0	0	0	0	657,700	572,000	686,800	602,000	2,518,500
Soft Surface Trails	1,266,987	120,000	123,700	124,400	131,300	135,300	139,300	143,400	147,700	152,300	156,700	1,374,100
Tree & Shrub Capital Maintenance	5,247,985	219,500	333,800	260,900	356,400	367,100	378,000	430,100	442,800	456,200	469,900	3,714,700
Water Management & Irrigation	1,663,350	128,000	131,900	135,900	140,000	144,300	148,500	167,400	172,400	177,500	182,800	1,528,700
Waterfront Parks CFMP	205,000	50,000	66,000	53,300	54,800	56,500	58,000	65,800	67,700	69,800	71,900	613,800
Windmill Hill Park Improvements	7,459,000	0	496,100	4,700,000	0	0	0	0	0	0	0	5,196,100
<b>Park Maintenance &amp; Improvements Total</b>	<b>45,285,539</b>	<b>3,305,500</b>	<b>8,243,000</b>	<b>23,330,400</b>	<b>4,986,400</b>	<b>5,285,700</b>	<b>4,452,200</b>	<b>24,008,800</b>	<b>5,228,200</b>	<b>5,366,100</b>	<b>4,675,200</b>	<b>88,881,500</b>
<b>Recreation Facility Maintenance</b>												
Chinquapin Recreation Center CFMP	3,270,000	515,700	203,000	203,900	253,200	957,500	340,800	263,000	234,400	646,200	715,300	4,333,000
City Marina Maintenance	1,310,613	45,000	46,400	47,900	49,300	50,800	52,200	77,700	80,000	82,500	84,900	616,700
Proactive Maintenance of the Urban Forest	319,500	106,500	206,000	212,200	218,600	225,200	231,900	238,900	246,000	253,400	261,000	2,199,700
Recreation Centers CFMP	6,715,736	184,100	106,300	177,400	148,500	211,200	1,038,300	1,271,600	2,699,200	4,204,800	11,714,400	
<b>Recreation Facility Maintenance Total</b>	<b>11,615,849</b>	<b>851,300</b>	<b>561,700</b>	<b>641,400</b>	<b>669,600</b>	<b>1,444,700</b>	<b>1,663,200</b>	<b>2,252,600</b>	<b>1,832,000</b>	<b>3,681,300</b>	<b>5,266,000</b>	<b>18,863,800</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>Renovated or New Recreation Facilities</b>												
Braddock Area Plan Park	2,546,207	0	0	0	0	0	0	0	0	0	3,710,800	3,710,800
Citywide Parks Improvements Plan	7,510,971	274,632	0	637,800	0	0	0	500,000	0	1,000,000	500,000	2,912,432
Douglas MacArthur School - Recreation & Parks Programming Space	0	2,000,000	0	0	0	0	0	0	0	0	0	2,000,000
Fort Ward Management Plan Implementation	975,000	170,000	0	150,000	0	200,000	0	200,000	0	200,000	0	920,000
Patrick Henry Recreation Center	7,259,986	0	0	0	0	0	0	0	0	0	0	0
Torpedo Factory Space Programming & Improvements	2,653,175	300,000	445,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	1,145,000
<b>Renovated or New Recreation Facilities Total</b>	<b>20,945,340</b>	<b>2,744,632</b>	<b>445,000</b>	<b>837,800</b>	<b>50,000</b>	<b>250,000</b>	<b>50,000</b>	<b>750,000</b>	<b>50,000</b>	<b>1,250,000</b>	<b>4,260,800</b>	<b>10,688,232</b>
<b>Recreation &amp; Parks Total</b>	<b>102,231,963</b>	<b>6,953,432</b>	<b>10,514,500</b>	<b>26,193,200</b>	<b>15,162,200</b>	<b>7,839,800</b>	<b>7,027,900</b>	<b>27,877,400</b>	<b>7,983,600</b>	<b>11,205,900</b>	<b>15,115,200</b>	<b>135,873,132</b>
<b>Public Buildings</b>												
<b>General Government Facilities</b>												
2355 Mill Road CFMP	2,301,581	240,000	245,500	251,100	298,500	827,200	268,500	274,600	301,700	287,000	861,300	3,855,400
Alexandria Transit - DASH CFMP	0	1,642,700	1,351,500	53,100	54,700	56,300	58,000	59,800	61,500	63,400	65,300	3,466,300
Capital Planning & Building Assessment (Condition Assessment)	1,386,000	0	100,000	0	100,000	0	150,000	0	150,000	0	150,000	650,000
City Hall Renovation and HVAC Replacement	7,850,000	1,500,000	4,200,000	51,400,000	4,400,000	0	0	0	0	0	0	61,500,000
City Hall Swing Space	0	0	239,700	6,649,700	1,572,000	0	0	0	0	0	0	8,461,400
Emergency Power Systems	3,879,000	397,000	142,800	307,800	27,100	117,000	287,000	32,900	33,900	34,900	518,000	1,898,400
Energy Management Program	6,255,352	783,500	759,200	789,100	1,015,600	809,600	736,600	757,900	779,300	801,800	824,300	8,056,900
Fleet Building CFMP	670,000	519,000	634,000	526,400	744,000	569,500	1,612,200	886,400	609,600	1,098,300	1,016,900	8,216,300
General Services CFMP	16,516,511	1,109,961	1,579,200	1,616,500	1,625,300	1,075,000	1,659,100	1,550,100	1,174,700	1,209,900	1,246,200	13,845,961
Lee Center CFMP	0	0	96,800	114,900	117,500	158,000	505,600	125,600	148,500	131,300	464,700	1,862,900
Market Square Plaza and Garage Structural Repairs	1,500,000	131,500	8,861,800	0	0	0	0	0	0	0	0	8,993,300
Parking Garages CFMP	0	10,000	10,300	10,700	11,000	11,300	11,600	12,000	12,300	12,700	13,100	115,000
Preventative Maintenance Systems and Staffing Study	350,000	0	0	0	0	0	0	0	0	0	0	0
Roof Replacement Program	5,954,800	2,373,700	366,000	31,600	370,900	742,900	114,000	18,100	0	1,519,700	35,600	5,572,500
Union Station Improvements	0	250,000	0	TBD	TBD	TBD	0	0	0	0	0	250,000
Witter/Wheeler - Fuel Island Renovation	2,650,000	0	0	0	0	0	0	0	0	0	0	0
Witter/Wheeler Campus Funding Reservation	0	0	0	4,000,000	7,000,000	7,000,000	7,000,000	7,000,000	0	0	0	32,000,000
<b>General Government Facilities Total</b>	<b>49,313,244</b>	<b>8,957,361</b>	<b>18,586,800</b>	<b>65,750,900</b>	<b>17,336,600</b>	<b>11,366,800</b>	<b>12,402,600</b>	<b>10,717,400</b>	<b>3,271,500</b>	<b>5,159,000</b>	<b>5,195,400</b>	<b>158,744,361</b>
<b>Library Facilities</b>												
Beatley Building Envelope Restoration	1,170,000	531,300	0	0	0	0	0	0	0	0	0	531,300
Burke Branch Renovation	0	0	825,000	0	0	0	0	0	0	0	0	825,000
Library CFMP	2,521,435	60,500	104,200	49,600	61,300	807,400	983,100	2,806,800	4,768,100	5,850,700	5,754,200	21,245,900
<b>Library Facilities Total</b>	<b>3,691,435</b>	<b>591,800</b>	<b>929,200</b>	<b>49,600</b>	<b>61,300</b>	<b>807,400</b>	<b>983,100</b>	<b>2,806,800</b>	<b>4,768,100</b>	<b>5,850,700</b>	<b>5,754,200</b>	<b>22,602,200</b>
<b>Preservation of Historic Facilities</b>												
City Historic Facilities CFMP	9,346,510	4,665,600	1,593,600	1,362,700	2,444,600	4,528,200	3,050,100	2,042,800	2,229,500	2,803,400	4,215,600	28,936,100
<b>Preservation of Historic Facilities Total</b>	<b>9,346,510</b>	<b>4,665,600</b>	<b>1,593,600</b>	<b>1,362,700</b>	<b>2,444,600</b>	<b>4,528,200</b>	<b>3,050,100</b>	<b>2,042,800</b>	<b>2,229,500</b>	<b>2,803,400</b>	<b>4,215,600</b>	<b>28,936,100</b>
<b>Public Health &amp; Welfare Facilities</b>												
DCHS Consolidation and Co-Location	1,141,104	906,400	8,520,000	11,904,000	0	0	0	0	0	0	0	21,330,400
Health Department CFMP	6,414,000	193,900	11,400	11,700	12,100	12,400	0	0	0	0	0	241,500
Mental Health Residential Facilities CFMP	2,814,995	823,600	845,100	670,600	721,400	632,300	758,800	682,600	752,700	779,400	804,800	7,471,300
<b>Public Health &amp; Welfare Facilities Total</b>	<b>10,370,099</b>	<b>1,923,900</b>	<b>9,376,500</b>	<b>12,586,300</b>	<b>733,500</b>	<b>644,700</b>	<b>758,800</b>	<b>682,600</b>	<b>752,700</b>	<b>779,400</b>	<b>804,800</b>	<b>29,043,200</b>
<b>Public Safety Facilities</b>												
Alexandria Police CFMP	0	150,000	154,500	159,200	164,000	168,900	173,900	179,200	184,500	190,100	195,800	1,720,100
Courthouse CFMP	8,556,600	2,000,000	2,000,000	116,700	120,200	123,900	127,600	131,400	135,300	139,400	143,600	5,038,100
Courthouse/PSC Security System Upgrade	2,255,000	1,073,100	0	0	0	0	0	0	0	0	5,300,700	6,373,800
Fire & Rescue CFMP	9,556,233	662,900	162,100	340,800	1,044,500	1,262,500	1,452,500	372,500	904,000	1,296,000	3,915,100	11,412,900
Fire Station 203 (Cameron Mills)	12,399,000	0	0	0	0	0	0	0	0	0	0	0
Fire Station 207 (Duke Street)	0	0	0	0	5,051,800	3,927,100	12,857,300	0	0	0	0	21,836,200
Fire Station 208 Replacement	0	0	250,000	1,100,000	10,000,000	0	0	0	0	0	0	11,350,000
New Burn Building	0	575,400	0	2,288,800	0	0	0	0	0	0	0	2,864,200
Office of the Sheriff CFMP	9,381,356	192,600	5,363,500	2,266,000	2,217,300	2,818,700	1,802,700	127,600	131,400	135,300	139,400	15,194,500
Pistol Range	2,963,250	0	0	0	0	0	0	0	0	0	0	0
Vola Lawson Animal Shelter	3,436,893	40,000	41,200	42,500	133,000	148,100	269,100	900,000	1,223,300	241,700	271,800	3,310,700
<b>Public Safety Facilities Total</b>	<b>48,548,332</b>	<b>4,694,000</b>	<b>7,971,300</b>	<b>6,314,000</b>	<b>18,730,800</b>	<b>8,449,200</b>	<b>16,683,100</b>	<b>1,710,700</b>	<b>2,578,500</b>	<b>2,002,500</b>	<b>9,966,400</b>	<b>79,100,500</b>
<b>Public Buildings Total</b>	<b>121,269,620</b>	<b>20,832,661</b>	<b>38,457,400</b>	<b>86,063,500</b>	<b>39,306,800</b>	<b>25,796,300</b>	<b>33,877,700</b>	<b>17,960,300</b>	<b>13,600,300</b>	<b>16,595,000</b>	<b>25,936,400</b>	<b>318,426,361</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>Transportation</b>												
<b>Public Transit</b>												
DASH Bus Fleet Replacements	20,929,000	0	0	12,465,600	9,288,200	0	9,332,200	19,343,700	0	8,740,800	21,006,900	80,177,400
DASH Facility and Fleet Expansion	11,933,161	0	6,422,147	2,688,317	7,648,551	9,063,302	0	0	0	0	0	25,822,317
DASH Hybrid Bus and Trolley Powertrain Replacement	1,650,000	0	412,000	371,400	382,500	394,000	347,800	298,600	184,500	0	0	2,390,800
Eisenhower Metrorail Station Improvements	6,794,840	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	16,781,242	0	0	0	0	0	0	0	0	0	0	0
Potomac Yard Metrorail Station	384,725,000	0	0	0	0	0	0	0	0	0	0	0
Transit Access & Amenities	4,002,649	823,123	500,000	400,000	0	0	0	0	0	0	0	1,723,123
Van Dorn Metrorail Station Area Improvements	1,331,000	0	0	0	0	0	0	0	0	0	0	0
WMATA Capital Contributions	148,501,034	17,600,000	15,425,000	16,021,000	16,421,000	16,875,000	15,600,000	16,100,000	16,600,000	17,100,000	17,600,000	165,342,000
<b>Public Transit Total</b>	<b>596,647,926</b>	<b>18,423,123</b>	<b>22,759,147</b>	<b>31,946,317</b>	<b>33,740,251</b>	<b>26,332,302</b>	<b>25,280,000</b>	<b>35,742,300</b>	<b>16,784,500</b>	<b>25,840,800</b>	<b>38,606,900</b>	<b>275,455,640</b>
<b>High Capacity Transit Corridors</b>												
Transit Corridor "A" - Route 1	29,853,743	0	0	0	0	0	0	0	0	0	0	0
Transit Corridor "B" - Duke Street	12,190,000	0	0	0	0	0	0	0	0	0	0	0
Transit Corridor "C" - West End Transitway	5,400,000	0	8,171,388	4,028,612	23,610,244	33,589,753	0	0	0	0	0	69,399,997
Transitway Enhancements	1,000,000	454,491	0	0	0	0	0	0	0	0	0	454,491
<b>High Capacity Transit Corridors Total</b>	<b>48,443,743</b>	<b>454,491</b>	<b>8,171,388</b>	<b>4,028,612</b>	<b>23,610,244</b>	<b>33,589,753</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>69,854,488</b>
<b>Non-Motorized Transportation</b>												
Access Improvements at Landmark	0	0	0	0	3,950,230	2,384,400	0	0	0	0	0	6,334,630
Backlick Run Multi-Use Paths	2,851,894	0	2,210,003	2,100,648	300,000	0	0	0	0	0	0	4,610,651
Bicycle Parking at Transit	505,000	0	0	0	0	0	0	0	0	0	0	0
BRAC & Central City Neighborhood Protection Plan	335,000	0	0	0	0	0	0	0	0	0	0	0
Cameron & Prince Bicycle & Pedestrian Facilities	240,000	0	0	0	0	0	0	0	0	0	0	0
Capital Bikeshare	4,307,757	350,000	400,000	250,000	250,000	0	0	0	0	0	0	1,250,000
Complete Streets	9,229,888	860,280	1,073,000	786,000	800,000	814,000	829,000	845,000	862,000	879,000	897,000	8,645,280
Duke Street and West Taylor Run Safety Improvements	2,545,000	0	0	0	3,905,460	0	0	0	0	0	0	3,905,460
Holmes Run Trail Connector	1,286,218	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Avenue North Complete Streets	520,000	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Trail @ East Abingdon	850,000	0	0	0	0	0	0	0	0	0	0	0
Old Cameron Run Trail	3,545,000	0	0	1,646,273	1,122,727	2,045,000	0	0	0	0	0	4,814,000
Seminary / Howard Safety Improvements	378,000	0	0	0	0	0	0	0	0	0	0	0
Shared-Use Paths	1,041,357	0	150,000	0	150,000	0	150,000	0	0	0	0	450,000
Sidewalk Capital Maintenance	4,389,469	600,000	309,000	636,600	327,900	675,400	347,800	716,500	369,000	760,100	391,500	5,133,800
Van Dorn/Beauregard Bicycle Facilities	1,458,869	0	0	0	0	0	0	0	0	0	0	0
Alexandria Mobility Plan	840,000	0	0	0	0	0	0	0	0	0	0	0
<b>Non-Motorized Transportation Total</b>	<b>34,323,452</b>	<b>1,810,280</b>	<b>4,142,003</b>	<b>5,419,521</b>	<b>10,806,317</b>	<b>5,918,800</b>	<b>1,326,800</b>	<b>1,561,500</b>	<b>1,231,000</b>	<b>1,639,100</b>	<b>1,288,500</b>	<b>35,143,821</b>
<b>Smart Mobility</b>												
Citywide Parking - Parking Study	150,000	0	0	0	0	0	0	0	0	0	0	0
Citywide Parking - Parking Technologies	773,629	629,736	450,000	250,000	0	0	0	0	0	0	0	1,329,736
Citywide Trans. Mgmt. Tech. - Broadband Communications Link	1,000,000	0	0	0	0	0	0	0	0	0	0	0
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	15,009,804	223,123	1,000,000	400,000	600,000	3,084,550	0	0	0	0	0	5,307,673
Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	450,000	100,000	103,000	138,200	175,200	202,800	208,800	215,000	221,400	228,200	235,100	1,827,700
Citywide Trans. Mgmt. Tech. - Transportation Technologies	1,370,312	250,000	0	265,300	0	281,500	0	298,500	309,500	316,800	326,300	2,047,900
DASH Electronic Fare Payment	450,000	750,000	0	0	0	0	0	0	0	0	0	750,000
DASH Technologies	0	0	0	600,000	255,745	0	0	0	0	0	0	855,745
Traffic Adaptive Signal Control	0	0	7,000,000	0	0	0	0	0	0	0	0	7,000,000
Transit Signal Priority	1,255,491	0	0	0	0	0	0	0	0	0	0	0
<b>Smart Mobility Total</b>	<b>20,459,236</b>	<b>1,952,859</b>	<b>8,553,000</b>	<b>1,653,500</b>	<b>1,030,945</b>	<b>3,568,850</b>	<b>208,800</b>	<b>513,500</b>	<b>530,900</b>	<b>545,000</b>	<b>561,400</b>	<b>19,118,754</b>
<b>Streets and Bridges</b>												
Bridge Repairs	9,544,975	1,445,000	1,844,700	1,758,900	1,800,600	2,178,500	2,369,300	2,583,200	3,433,600	4,159,400	3,314,000	24,887,200
City Standard Construction Specifications	200,000	0	0	0	0	0	0	0	0	0	0	0
East Glebe & Route 1	4,600,000	0	0	0	0	0	0	0	0	0	0	0
Eisenhower Avenue Roadway Improvements	9,365,631	0	0	0	0	0	0	0	0	0	0	0
Fixed Transportation Equipment	23,290,971	850,000	875,500	2,493,400	956,300	985,000	1,043,500	1,074,800	1,107,000	1,140,300	1,207,100	11,732,900
Four Mile Run Bridge Program	0	6,000,000	7,000,000	7,000,000	0	0	0	0	0	0	0	20,000,000
King & Beauregard Intersection Improvements	17,902,862	0	0	0	0	0	0	0	0	0	0	0
Seminary Road at Beauregard Street Ellipse	425,000	0	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	36,400,000
Street Reconstruction & Resurfacing of Major Roads	40,204,576	5,500,000	5,665,000	5,835,000	5,436,400	5,599,500	4,984,900	6,328,500	6,149,400	6,333,900	6,523,900	58,356,500
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	500,000	0	0	0	0	0	0	0	0	0	0	0
<b>Streets and Bridges Total</b>	<b>106,034,015</b>	<b>13,795,000</b>	<b>15,385,200</b>	<b>20,587,300</b>	<b>24,393,300</b>	<b>25,463,000</b>	<b>8,397,700</b>	<b>9,986,500</b>	<b>10,690,000</b>	<b>11,633,600</b>	<b>11,045,000</b>	<b>151,376,600</b>
<b>Transportation Total</b>	<b>805,908,371</b>	<b>36,435,753</b>	<b>59,010,738</b>	<b>63,635,250</b>	<b>93,581,057</b>	<b>94,872,705</b>	<b>35,213,300</b>	<b>47,803,800</b>	<b>29,236,400</b>	<b>39,658,500</b>	<b>51,501,800</b>	<b>550,949,303</b>
<b>Sanitary Sewers</b>												
<b>Sanitary Sewers</b>												
AlexRenew Wastewater Treatment Plant Capacity	0	0	0	0	2,251,100	0	0	0	0	0	0	2,251,100
Capital Support of CSO Mitigation Projects	1,355,990	0	0	0	0	0	0	0	0	0	0	0
Citywide Sewershed Infiltration & Inflow	19,861,440	0	0	0	0	0	0	0	0	0	0	0
Combined Sewer Assessment & Rehabilitation	3,700,000	2,805,000	3,900,000	3,900,000	0	0	0	0	0	0	0	10,605,000
Holmes Run Trunk Sewer	9,002,000	0	0	0	0	0	0	0	0	0	0	0
Reconstructions & Extensions of Sanitary Sewers	15,492,959	0	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	8,100,000
Sanitary Sewer Asset Renewal Program	0	1,250,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	32,750,000
<b>Sanitary Sewers Total</b>	<b>49,412,389</b>	<b>4,055,000</b>	<b>8,300,000</b>	<b>8,300,000</b>	<b>6,651,100</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>53,706,100</b>
<b>Sanitary Sewers Total</b>	<b>49,412,389</b>	<b>4,055,000</b>	<b>8,300,000</b>	<b>8,300,000</b>	<b>6,651,100</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>53,706,100</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021- FY 2030
<b>Stormwater Management</b>												
Stormwater Management												
Cameron Station Pond Retrofit	4,681,885	0	0	0	0	0	0	0	0	0	0	0
City Facilities Stormwater Best Management Practices (BMPs)	1,633,000	0	0	0	0	0	0	0	0	0	0	0
Four Mile Run Channel Maintenance	3,293,000	0	0	936,600	0	0	0	0	1,251,300	4,177,000	0	6,364,900
Green Infrastructure	1,850,000	206,500	210,000	0	1,549,000	0	0	0	0	0	0	1,965,500
Lucky Run Stream Restoration	2,800,000	0	0	0	0	0	0	0	0	0	0	0
MS4-TDML Compliance Water Quality Improvements	1,255,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	3,000,000	3,000,000	51,000,000
NPDES / MS4 Permit	815,000	165,000	170,000	168,400	170,000	171,700	173,500	175,200	177,000	178,700	180,500	1,730,000
Phosphorus Exchange Bank	0	0	0	0	0	0	0	0	0	0	0	0
Storm Sewer Capacity Assessment	4,713,500	498,750	508,300	0	0	7,529,100	0	588,100	10,213,900	0	0	19,338,150
Storm Sewer System Spot Improvements	7,605,221	420,000	430,500	441,400	452,500	464,000	475,800	488,000	500,500	513,400	526,700	4,712,800
Stormwater BMP Maintenance CFMP	135,000	140,000	144,200	148,600	153,000	1,201,500	1,220,100	157,700	160,900	164,100	167,400	3,657,500
Stormwater Utility Implementation	1,673,200	0	0	0	0	0	0	0	0	0	0	0
Strawberry Run Stream Restoration	800,000	0	0	0	0	0	0	0	0	0	0	0
Stream & Channel Maintenance	6,570,454	450,000	459,000	468,200	477,600	487,100	496,900	506,800	517,000	527,300	537,800	4,927,700
Taylor Run Stream Restoration	2,092,850	0	0	0	0	0	0	0	0	0	0	0
<b>Stormwater Management Total</b>	<b>39,918,110</b>	<b>4,880,250</b>	<b>5,422,000</b>	<b>5,663,200</b>	<b>9,802,100</b>	<b>16,853,400</b>	<b>9,366,300</b>	<b>10,915,800</b>	<b>17,820,600</b>	<b>8,560,500</b>	<b>4,412,400</b>	<b>93,696,550</b>
<b>Stormwater Management Total</b>	<b>39,918,110</b>	<b>4,880,250</b>	<b>5,422,000</b>	<b>5,663,200</b>	<b>9,802,100</b>	<b>16,853,400</b>	<b>9,366,300</b>	<b>10,915,800</b>	<b>17,820,600</b>	<b>8,560,500</b>	<b>4,412,400</b>	<b>93,696,550</b>
<b>Other Regional Contributions</b>												
Other Regional Contributions												
Northern Virginia Community College (NVCC)	5,035,734	362,363	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	440,000	4,172,363
Northern Virginia Regional Park Authority (NVRPA)	7,537,568	425,404	470,000	475,000	480,000	484,000	489,000	494,000	499,000	504,000	509,000	4,829,404
<b>Other Regional Contributions Total</b>	<b>12,573,302</b>	<b>787,767</b>	<b>877,000</b>	<b>886,000</b>	<b>895,000</b>	<b>903,000</b>	<b>912,000</b>	<b>921,000</b>	<b>931,000</b>	<b>940,000</b>	<b>949,000</b>	<b>9,001,767</b>
<b>Other Regional Contributions Total</b>	<b>12,573,302</b>	<b>787,767</b>	<b>877,000</b>	<b>886,000</b>	<b>895,000</b>	<b>903,000</b>	<b>912,000</b>	<b>921,000</b>	<b>931,000</b>	<b>940,000</b>	<b>949,000</b>	<b>9,001,767</b>
<b>IT Plan</b>												
Document Management												
Document Imaging	2,434,375	50,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140,000
<b>Document Management Total</b>	<b>2,434,375</b>	<b>50,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>140,000</b>
<b>Financial Systems</b>												
Business Tax System/Reciprocity Contractor System	1,424,595	0	0	0	0	0	0	0	305,000	0	0	305,000
Employee Pension Administration System	350,000	0	0	0	0	0	0	0	0	0	0	0
Enterprise Resource Planning System	4,395,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Personal Property Tax System	850,000	1,597,139	144,900	152,200	159,800	167,800	176,200	185,000	194,200	203,900	214,100	3,195,239
Phone, Web, Portable Device Payment Portals	350,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Real Estate Account Receivable System	1,810,000	0	0	0	0	0	0	0	0	0	0	200,000
Real Estate Assessment System (CAMA)	340,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
<b>Financial Systems Total</b>	<b>9,519,595</b>	<b>1,677,139</b>	<b>224,900</b>	<b>232,200</b>	<b>239,800</b>	<b>247,800</b>	<b>216,200</b>	<b>225,000</b>	<b>539,200</b>	<b>243,900</b>	<b>454,100</b>	<b>4,300,239</b>
<b>Geographic Information Systems</b>												
GIS Development	2,494,500	30,000	70,000	30,000	70,000	30,000	85,000	40,000	70,000	30,000	70,000	525,000
<b>Geographic Information Systems Total</b>	<b>2,494,500</b>	<b>30,000</b>	<b>70,000</b>	<b>30,000</b>	<b>70,000</b>	<b>30,000</b>	<b>85,000</b>	<b>40,000</b>	<b>70,000</b>	<b>30,000</b>	<b>70,000</b>	<b>525,000</b>
<b>Network Services</b>												
Connectivity Initiatives	11,823,270	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	400,000	400,000	6,300,000
Database Infrastructure	818,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Camera System	215,000	0	0	0	0	0	0	0	0	0	0	0
Enterprise Collaboration	650,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Data Storage Infrastructure	3,580,435	350,000	400,000	350,000	350,000	350,000	0	0	0	0	0	1,800,000
Enterprise Service Catalog	220,000	160,000	40,000	40,000	40,000	40,000	0	0	0	0	0	320,000
Information Technology Equipment Replacement	2,952,740	900,000	750,000	750,000	900,000	900,000	900,000	900,000	700,000	700,000	700,000	8,100,000
Information Technology Lump Sum Funding	0	0	1,687,000	1,200,000	3,200,000	3,200,000	3,200,000	3,200,000	3,400,000	3,400,000	3,400,000	25,887,000
IT Enterprise Management System	510,000	0	0	0	0	0	0	0	0	0	0	0
LAN Development	459,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
LAN/WAN Infrastructure	5,693,000	2,481,140	1,302,700	809,400	316,500	323,900	1,567,700	740,900	740,800	740,800	740,800	9,764,640
Municipal Fiber	12,410,000	2,000,000	140,000	147,000	154,000	162,000	170,000	179,000	188,000	197,000	207,000	3,544,000
Network Security	3,565,000	300,000	350,000	500,000	605,000	400,000	400,000	800,000	350,000	350,000	350,000	4,405,000
Network Server Infrastructure	8,011,143	410,000	300,000	300,000	300,000	0	0	0	0	0	0	1,310,000
Remote Access	833,000	165,000	170,000	175,000	0	0	0	0	0	0	0	510,000
Time & Attendance System Upgrade	70,000	80,000	0	0	40,000	0	0	0	0	55,000	0	175,000
Upgrade Work Station Operating Systems	3,313,950	150,000	150,000	300,000	200,000	300,000	0	0	0	0	0	1,100,000
Voice Over Internet Protocol (VoIP)	5,322,173	270,000	155,000	120,000	80,000	60,000	0	0	0	0	0	685,000
<b>Network Services Total</b>	<b>60,446,710</b>	<b>7,950,140</b>	<b>6,157,700</b>	<b>5,435,400</b>	<b>6,960,500</b>	<b>6,544,900</b>	<b>7,002,700</b>	<b>6,624,900</b>	<b>6,183,800</b>	<b>5,867,800</b>	<b>5,822,800</b>	<b>64,550,640</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>Other System Development Projects</b>												
Animal Shelter Server Replacement	130,000	0	0	0	0	0	0	0	0	0	0	0
Application Portfolio Management	100,000	0	0	0	0	0	0	0	0	0	0	0
Council Chamber Technology Upgrade	350,000	0	0	440,000	0	0	66,000	0	0	0	0	506,000
Enterprise Maintenance Mgmt System	730,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Fleet Management System	0	140,000	0	0	0	0	0	0	0	0	0	140,000
FOIA System Replacement	70,000	15,000	0	0	0	0	0	0	0	0	0	15,000
General Services Facilities Management System	0	0	TBD	TBD	0	0	0	0	0	0	0	0
HIPAA & Related Health Information Technologies	628,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Impound Lot System Replacement	0	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Library Public Access Computers and Print Mgmt System	45,000	0	0	85,000	0	0	0	0	0	0	0	85,000
Library Scanning Equipment and DAMS	0	60,400	0	0	0	0	0	0	0	0	0	60,400
Library Self-Service Stations/Equipment	160,000	0	0	0	0	152,000	0	0	0	0	0	152,000
Migration of Integrated Library System to SAAS Platform	69,000	0	0	0	0	0	0	0	0	0	0	0
Office of Voter Registrations and Elections Equipment Replacement	100,000	0	0	0	0	0	0	0	0	1,000,000	0	1,000,000
OHA Point-of-Sale System Replacement	0	0	0	0	150,000	0	0	0	0	0	0	150,000
OHA Records Management System Replacement	100,000	0	0	0	0	0	0	0	0	0	0	0
Permit Processing	4,717,167	300,000	100,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	100,000	1,700,000
Project Management Software	185,000	0	0	0	0	0	0	0	0	0	0	0
Recreation Database System	110,000	200,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	480,000
Small Systems Replacements	0	0	0	0	0	0	0	250,000	250,000	250,000	250,000	1,000,000
<b>Other System Development Projects Total</b>	<b>7,494,167</b>	<b>830,400</b>	<b>515,000</b>	<b>700,000</b>	<b>325,000</b>	<b>327,000</b>	<b>201,000</b>	<b>635,000</b>	<b>635,000</b>	<b>1,385,000</b>	<b>385,000</b>	<b>5,938,400</b>
<b>Public Access Development</b>												
Customer Relationship Management System	1,725,000	0	0	0	0	0	0	0	0	0	0	0
Electronic Government/Web Page	1,618,196	60,000	160,000	50,000	250,000	50,000	50,000	50,000	50,000	0	0	720,000
<b>Public Access Development Total</b>	<b>3,343,196</b>	<b>60,000</b>	<b>160,000</b>	<b>50,000</b>	<b>250,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>720,000</b>
<b>Public Safety Systems</b>												
AJIS System	3,512,893	6,593,120	3,368,000	1,838,000	268,000	268,000	268,000	268,000	268,000	268,000	268,000	13,675,120
Computer Aided Dispatch (CAD) System Replacement	16,375,500	300,000	0	0	0	6,700,000	0	0	0	0	0	7,000,000
Courtroom Trial Presentation Technology	307,500	100,000	0	100,000	0	0	100,000	100,000	25,000	0	0	425,000
Electronic Citations Implementation	420,000	0	0	0	0	0	0	0	0	0	0	0
Emergency 911 Phone System Upgrade	1,700,000	0	0	0	0	0	0	0	0	0	0	0
EMS Records Management System	240,000	0	0	0	0	0	0	0	0	0	0	0
Fire Dept RMS	0	50,000	307,500	0	0	0	0	0	0	0	0	357,500
Parking Citation System Replacement	0	530,000	0	0	0	0	0	0	0	0	0	530,000
Radio System Upgrade	3,340,960	0	3,158,000	3,020,000	2,900,000	0	0	0	0	2,000,000	0	11,078,000
<b>Public Safety Systems Total</b>	<b>25,896,853</b>	<b>7,573,120</b>	<b>6,833,500</b>	<b>4,958,000</b>	<b>3,168,000</b>	<b>6,968,000</b>	<b>368,000</b>	<b>368,000</b>	<b>293,000</b>	<b>2,268,000</b>	<b>268,000</b>	<b>33,065,620</b>
<b>IT Plan Total</b>	<b>111,629,395</b>	<b>18,170,799</b>	<b>13,971,100</b>	<b>11,415,600</b>	<b>11,023,300</b>	<b>14,177,700</b>	<b>7,932,900</b>	<b>7,952,900</b>	<b>7,781,000</b>	<b>9,804,700</b>	<b>7,009,900</b>	<b>109,239,999</b>
<b>CIP Development &amp; Implementation Staff</b>												
<b>City Manager's Office</b>												
Public Private Partnerships Coordinator (1.00 FTE)	155,000	105,000	110,000	116,000	122,000	128,000	134,000	141,000	148,000	155,000	163,000	1,322,000
<b>City Manager's Office Total</b>	<b>155,000</b>	<b>105,000</b>	<b>110,000</b>	<b>116,000</b>	<b>122,000</b>	<b>128,000</b>	<b>134,000</b>	<b>141,000</b>	<b>148,000</b>	<b>155,000</b>	<b>163,000</b>	<b>1,322,000</b>
<b>Department of General Services</b>												
General Services Capital Projects Staff (7.80)	1,079,500	1,072,410	1,126,000	1,182,000	1,241,000	1,303,000	1,368,000	1,436,000	1,508,000	1,583,000	1,662,000	13,481,410
<b>Department of General Services Total</b>	<b>1,079,500</b>	<b>1,072,410</b>	<b>1,126,000</b>	<b>1,182,000</b>	<b>1,241,000</b>	<b>1,303,000</b>	<b>1,368,000</b>	<b>1,436,000</b>	<b>1,508,000</b>	<b>1,583,000</b>	<b>1,662,000</b>	<b>13,481,410</b>
<b>Department of Finance</b>												
Capital Procurement Personnel (7.60 FTE)	1,879,023	851,680	1,020,000	1,071,000	1,125,000	1,181,000	1,240,000	1,302,000	1,367,000	1,435,000	1,507,000	12,099,680
<b>Department of Finance Total</b>	<b>1,879,023</b>	<b>851,680</b>	<b>1,020,000</b>	<b>1,071,000</b>	<b>1,125,000</b>	<b>1,181,000</b>	<b>1,240,000</b>	<b>1,302,000</b>	<b>1,367,000</b>	<b>1,435,000</b>	<b>1,507,000</b>	<b>12,099,680</b>
<b>Department of Planning &amp; Zoning</b>												
Capital Project Development Team (2.00 FTE)	465,232	210,470	221,000	232,000	244,000	256,000	269,000	282,000	296,000	311,000	327,000	2,648,470
<b>Department of Planning &amp; Zoning Total</b>	<b>465,232</b>	<b>210,470</b>	<b>221,000</b>	<b>232,000</b>	<b>244,000</b>	<b>256,000</b>	<b>269,000</b>	<b>282,000</b>	<b>296,000</b>	<b>311,000</b>	<b>327,000</b>	<b>2,648,470</b>
<b>Department of Project Implementation</b>												
Capital Project Implementation Non-Personnel Expenditures	409,294	182,200	187,600	193,300	199,100	205,000	211,200	217,500	224,100	230,800	237,700	2,088,500
Capital Project Implementation Personnel (25.00 FTE)	6,502,104	3,525,920	3,833,000	4,025,000	4,226,000	4,437,000	4,659,000	4,892,000	5,137,000	5,394,000	5,664,000	45,792,920
<b>Department of Project Implementation Total</b>	<b>6,911,398</b>	<b>3,708,120</b>	<b>4,020,600</b>	<b>4,218,300</b>	<b>4,425,100</b>	<b>4,642,000</b>	<b>4,870,200</b>	<b>5,109,500</b>	<b>5,361,100</b>	<b>5,624,800</b>	<b>5,901,700</b>	<b>47,881,420</b>
<b>Department of Recreation, Parks, and Cultural Activities</b>												
Open Space Management Staff (2.00 FTE)	0	256,150	269,000	282,000	296,000	311,000	327,000	343,000	360,000	378,000	397,000	3,219,150
<b>Department of Recreation, Parks, and Cultural Activities Total</b>	<b>0</b>	<b>256,150</b>	<b>269,000</b>	<b>282,000</b>	<b>296,000</b>	<b>311,000</b>	<b>327,000</b>	<b>343,000</b>	<b>360,000</b>	<b>378,000</b>	<b>397,000</b>	<b>3,219,150</b>
<b>Information Technology Services</b>												
IT Systems Implementation Staff (4.50 FTE)	465,000	494,540	519,000	545,000	572,000	601,000	631,000	663,000	696,000	731,000	768,000	6,220,540
<b>Information Technology Services Total</b>	<b>465,000</b>	<b>494,540</b>	<b>519,000</b>	<b>545,000</b>	<b>572,000</b>	<b>601,000</b>	<b>631,000</b>	<b>663,000</b>	<b>696,000</b>	<b>731,000</b>	<b>768,000</b>	<b>6,220,540</b>
<b>Office of Management &amp; Budget</b>												
Capital Budget Staff (1.50 FTE)	130,100	80,770	190,000	200,000	210,000	221,000	232,000	244,000	256,000	269,000	282,000	2,184,770
<b>Office of Management &amp; Budget Total</b>	<b>130,100</b>	<b>80,770</b>	<b>190,000</b>	<b>200,000</b>	<b>210,000</b>	<b>221,000</b>	<b>232,000</b>	<b>244,000</b>	<b>256,000</b>	<b>269,000</b>	<b>282,000</b>	<b>2,184,770</b>
<b>CIP Development &amp; Implementation Staff Total</b>	<b>11,085,253</b>	<b>6,779,140</b>	<b>7,475,600</b>	<b>7,846,300</b>	<b>8,235,100</b>	<b>8,643,000</b>	<b>9,071,200</b>	<b>9,520,500</b>	<b>9,992,100</b>	<b>10,486,800</b>	<b>11,007,700</b>	<b>89,057,440</b>
<b>Grand Total</b>	<b>1,799,448,826</b>	<b>342,713,998</b>	<b>313,365,638</b>	<b>244,411,650</b>	<b>234,617,057</b>	<b>221,628,305</b>	<b>132,794,800</b>	<b>177,396,800</b>	<b>123,701,300</b>	<b>167,127,400</b>	<b>146,498,200</b>	<b>2,104,255,148</b>

# Table 5

## Proposed FY 2021 – FY 2030 Capital Improvement Program

### Summary of Projects by Project Category

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021- FY 2030
ACPS												
ACPS Capital Program	436,887,828	198,801,600	83,827,400	23,711,800	41,592,400	37,756,200	16,529,200	39,644,600	20,026,800	53,861,500	14,962,400	530,713,900
ACPS Total	436,887,828	198,801,600	83,827,400	23,711,800	41,592,400	37,756,200	16,529,200	39,644,600	20,026,800	53,861,500	14,962,400	530,713,900
Category 1												
Community Development												
EW & LVD Implementation - Developer Contributions Analysis	100,000	0	0	0	0	0	0	0	0	0	0	0
Fire Department Vehicles & Apparatus	18,153,727	611,924	3,019,600	1,867,700	499,100	2,267,200	529,500	2,102,100	3,789,000	3,350,300	2,781,200	20,817,624
Fire Hydrant Maintenance Program	0	350,000	360,500	371,400	382,500	394,000	289,900	298,600	307,500	316,700	326,200	3,397,300
Gadsby Lighting Fixtures & Poles Replacement	1,360,000	950,000	950,000	950,000	0	84,500	0	89,600	92,300	0	97,900	3,214,300
Public Art Conservation Program	192,500	50,000	51,600	63,900	43,800	56,400	58,000	59,800	73,900	50,800	65,400	573,800
Recreation & Parks												
Americans with Disabilities Act (ADA) Requirements	1,523,813	100,000	103,000	106,300	109,400	112,700	116,000	131,500	135,300	139,600	143,600	1,197,400
Ball Court Renovations	2,145,313	150,000	154,500	159,200	164,100	169,000	174,000	194,200	203,100	209,200	215,500	1,792,800
Chinquapin Recreation Center CFMP	3,270,000	515,700	203,000	203,900	253,200	957,500	340,800	263,000	234,400	646,200	715,300	4,333,000
City Marina Maintenance	1,310,613	45,000	46,400	47,900	49,300	50,800	52,200	77,700	80,000	82,500	84,900	616,700
Park Renovations CFMP	5,585,848	416,000	423,600	441,500	454,700	468,400	482,400	547,100	553,600	570,200	587,300	4,944,800
Pavement in Parks	1,000,000	200,000	200,000	225,000	240,000	240,000	240,000	275,000	275,000	275,000	275,000	2,445,000
Playground Renovations CFMP	6,479,628	622,000	1,010,400	1,060,300	1,071,900	1,104,100	1,137,200	954,500	983,200	1,012,700	1,043,100	9,999,400
Proactive Maintenance of the Urban Forest	319,500	106,500	206,000	212,200	218,600	225,200	231,900	238,900	246,000	253,400	261,000	2,199,700
Public Pools	1,311,114	52,000	53,800	103,100	106,200	109,400	112,500	116,000	123,400	158,500	163,200	1,098,100
Recreation Centers CFMP	6,715,736	184,100	106,300	177,400	148,500	211,200	1,038,300	1,673,000	1,271,600	2,699,200	4,204,800	11,714,400
Soft Surface Trails	1,266,987	120,000	123,700	124,400	131,300	135,300	139,300	143,400	147,700	152,300	156,700	1,374,100
Torpedo Factory Space Programming & Improvements	2,653,175	300,000	445,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	1,145,000
Tree & Shrub Capital Maintenance	5,247,985	219,500	333,800	260,900	356,400	367,100	378,000	430,100	442,800	456,200	469,900	3,714,700
Water Management & Irrigation	1,663,350	128,000	131,900	135,900	140,000	144,300	148,500	167,400	172,400	177,500	182,800	1,528,700
Waterfront Parks CFMP	205,000	50,000	66,000	53,300	54,800	56,500	58,000	65,800	67,700	69,800	71,900	613,800
Public Buildings												
2355 Mill Road CFMP	2,301,581	240,000	245,500	251,100	298,500	827,200	268,500	274,600	301,700	287,000	861,300	3,855,400
Alexandria Police CFMP	0	150,000	154,500	159,200	164,000	168,900	173,900	179,200	184,500	190,100	195,800	1,720,100
Alexandria Transit - DASH CFMP	0	1,642,700	1,351,500	53,100	54,700	56,300	58,000	59,800	61,500	63,400	65,300	3,466,300
Capital Planning & Building Assessment (Condition Assessment)	1,386,000	0	100,000	0	100,000	0	150,000	0	150,000	0	150,000	650,000
City Historic Facilities CFMP	9,346,510	4,665,600	1,593,600	1,362,700	2,444,600	4,528,200	3,050,100	2,042,800	2,229,500	2,803,400	4,215,600	28,936,100
Courthouse CFMP	8,556,600	2,000,000	2,000,000	116,700	120,200	123,900	127,600	131,400	135,300	139,400	143,600	5,038,100
Emergency Power Systems	3,879,000	397,000	142,800	307,800	117,000	117,000	287,000	32,900	33,900	34,900	518,000	1,898,400
Energy Management Program	6,255,352	783,500	759,200	789,100	1,015,800	809,600	736,600	757,900	779,300	801,800	824,300	8,056,900
Fire & Rescue CFMP	9,556,233	662,900	162,100	340,800	1,044,500	1,262,500	1,452,500	372,500	904,000	1,296,000	3,915,100	11,412,900
Fleet Building CFMP	670,000	519,000	634,000	526,400	744,000	569,500	1,612,200	886,400	609,600	1,098,300	1,016,900	8,216,300
General Services CFMP	16,516,511	1,109,961	1,579,200	1,616,500	1,625,300	1,075,000	1,659,100	1,550,100	1,174,700	1,209,900	1,246,200	13,845,961
Health Department CFMP	6,414,000	193,900	11,400	11,700	12,400	0	0	0	0	0	0	241,500
Lee Center CFMP	0	0	96,800	114,900	117,500	158,000	505,600	125,600	148,500	131,300	464,700	1,862,900
Library CFMP	2,521,435	60,500	104,200	49,600	61,300	807,400	983,100	2,806,800	4,768,100	5,850,700	5,754,200	21,245,900
Mental Health Residential Facilities CFMP	2,814,995	823,600	845,100	670,600	721,400	632,300	758,800	682,600	752,700	779,400	804,800	7,471,300
Office of the Sheriff CFMP	9,381,356	192,600	5,363,500	2,266,000	2,217,300	2,818,700	1,802,700	127,600	131,400	135,300	139,400	15,194,500
Parking Garages CFMP	0	10,000	10,300	10,700	11,000	11,300	11,600	12,000	12,300	12,700	13,100	115,000
Roof Replacement Program	5,954,800	2,373,700	366,000	31,600	370,900	742,900	114,000	18,100	0	1,519,700	35,600	5,572,500
Voia Lawson Animal Shelter	3,436,893	40,000	41,200	42,500	133,000	148,100	269,100	900,000	1,223,300	241,700	271,800	3,310,700
Transportation												
Bridge Repairs	9,544,975	1,445,000	1,844,700	1,758,900	1,800,600	2,178,500	2,369,300	2,583,200	3,433,600	4,159,400	3,314,000	24,887,200
Citywide Parking - Parking Study	150,000	0	0	0	0	0	0	0	0	0	0	0
Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	450,000	100,000	103,000	138,200	175,200	202,800	208,800	215,000	221,400	228,200	235,100	1,827,700
DASH Bus Fleet Replacements	20,929,000	0	0	12,465,600	9,288,200	0	9,332,200	19,343,700	0	8,740,800	21,006,900	80,177,400
DASH Hybrid Bus and Trolley Powertrain Replacement	1,650,000	0	412,000	371,400	382,500	394,000	347,800	298,600	184,500	0	0	2,390,800
Fixed Transportation Equipment	23,290,971	850,000	875,500	2,493,400	956,300	985,000	1,043,500	1,074,800	1,107,000	1,140,300	1,207,100	11,732,900
Four Mile Run Bridge Program	0	6,000,000	7,000,000	7,000,000	0	0	0	0	0	0	0	20,000,000
Shared-Use Paths	1,041,357	0	150,000	0	150,000	0	150,000	0	0	0	0	450,000
Sidewalk Capital Maintenance	4,389,469	600,000	309,000	636,600	327,900	675,400	347,800	716,500	369,000	760,100	391,500	5,133,800
Street Reconstruction & Resurfacing of Major Roads	40,204,576	5,500,000	5,665,000	5,835,000	5,436,400	5,599,500	4,984,900	6,328,500	6,149,400	6,333,900	6,523,900	58,356,500
WMATA Capital Contributions	148,501,034	17,600,000	15,425,000	16,021,000	16,421,000	16,875,000	15,600,000	16,100,000	16,600,000	17,100,000	17,600,000	165,342,000
Sanitary Sewers												
Reconstructions & Extensions of Sanitary Sewers	15,492,959	0	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	8,100,000
Sanitary Sewer Asset Renewal Program	0	1,250,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	32,750,000
Stormwater Management												
MS4-TDML Compliance Water Quality Improvements	1,255,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	3,000,000	3,000,000	51,000,000
Phosphorus Exchange Bank	0	0	0	0	0	0	0	0	0	0	0	0
Storm Sewer Capacity Assessment	4,713,500	498,750	508,300	0	0	7,529,100	0	588,100	10,213,900	0	0	19,338,150
Storm Sewer System Spot Improvements	7,605,221	420,000	430,500	441,400	452,500	464,000	475,800	500,500	500,500	513,400	526,700	4,712,800
Stormwater BMP Maintenance CFMP	135,000	140,000	144,200	148,600	153,000	1,201,500	1,220,100	157,700	160,900	164,100	167,400	3,657,500
Stream & Channel Maintenance	6,570,454	450,000	459,000	468,200	477,600	487,100	496,900	506,800	517,000	527,300	537,800	4,927,700
Other Regional Contributions												
Northern Virginia Community College (NVCC)	5,035,734	362,363	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	440,000	4,172,363
Northern Virginia Regional Park Authority (NVRPA)	7,537,568	425,404	470,000	475,000	480,000	484,000	489,000	494,000	499,000	504,000	509,000	4,829,404
Category 1 Total	447,992,372	59,677,202	65,653,200	71,899,600	64,073,000	70,967,700	68,486,000	81,559,900	72,637,400	75,272,600	92,390,800	722,617,402

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021-2030
<b>Category 2</b>												
<b>Community Development</b>												
Braddock Road Area Plan - Streetscape Improvements	722,564	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	450,000
Environmental Restoration	1,271,049	283,460	167,000	301,000	185,000	322,000	209,000	346,000	233,000	345,000	260,000	2,651,460
Oronoco Outfall Remediation Project	10,491,505	450,000	2,500,000	0	0	0	0	0	0	0	0	2,950,000
<b>Recreation &amp; Parks</b>												
Citywide Parks Improvements Plan	7,510,971	274,632	0	637,800	0	0	0	500,000	0	1,000,000	500,000	2,912,432
Holmes Run Trail Repairs	0	1,000,000	5,000,000	0	0	0	0	0	0	0	0	6,000,000
Neighborhood Pool Demolition and Conversion	622,259	0	461,000	0	0	0	0	0	0	0	0	461,000
Park Maintenance Facilities	30,000	0	0	0	0	0	0	0	0	0	0	0
Patrick Henry Turf Fields and Recreation Center	0	0	0	2,363,600	0	0	0	0	0	0	0	2,363,600
Restroom Renovations	1,110,000	0	0	0	0	0	0	657,700	572,000	686,800	602,000	2,518,500
Windmill Hill Park Improvements	7,459,000	0	496,100	4,700,000	0	0	0	0	0	0	0	5,196,100
<b>Public Buildings</b>												
Beatley Building Envelope Restoration	1,170,000	531,300	0	0	0	0	0	0	0	0	0	531,300
Burke Branch Renovation	0	0	825,000	0	0	0	0	0	0	0	0	825,000
City Hall Renovation and HVAC Replacement	7,850,000	1,500,000	4,200,000	51,400,000	4,400,000	0	0	0	0	0	0	61,500,000
City Hall Swing Space	0	0	239,700	6,649,700	1,572,000	0	0	0	0	0	0	8,461,400
Courthouse/PSC Security System Upgrade	2,255,000	1,073,100	0	0	0	0	0	0	0	0	5,300,700	6,373,800
Fire Station 203 (Cameron Mills)	12,399,000	0	0	0	0	0	0	0	0	0	0	0
Fire Station 207 (Duke Street)	0	0	0	0	5,051,800	3,927,100	12,857,300	0	0	0	0	21,836,200
Fire Station 208 Replacement	0	0	250,000	1,100,000	10,000,000	0	0	0	0	0	0	11,350,000
Market Square Plaza and Garage Structural Repairs	1,500,000	131,500	8,861,800	0	0	0	0	0	0	0	0	8,993,300
New Burn Building	0	575,400	0	2,288,800	0	0	0	0	0	0	0	2,864,200
Pistol Range	2,963,250	0	0	0	0	0	0	0	0	0	0	0
Preventative Maintenance Systems and Staffing Study	350,000	0	0	0	0	0	0	0	0	0	0	0
Union Station Improvements	0	250,000	0	TBD	TBD	TBD	0	0	0	0	0	250,000
Witter/Wheeler - Fuel Island Renovation	2,650,000	0	0	0	0	0	0	0	0	0	0	0
<b>Transportation</b>												
Eisenhower Metrorail Station Improvements	6,794,840	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Trail @ East Abingdon	0	0	0	0	850,000	0	0	0	0	0	0	0
Transit Signal Priority	1,255,491	0	0	0	0	0	0	0	0	0	0	0
Van Dom Metrorail Station Area Improvements	1,331,000	0	0	0	0	0	0	0	0	0	0	0
Alexandria Mobility Plan	840,000	0	0	0	0	0	0	0	0	0	0	0
<b>Sanitary Sewers</b>												
Capital Support of CSO Mitigation Projects	1,355,990	0	0	0	0	0	0	0	0	0	0	0
Citywide Sewershed Infiltration & Inflow	19,861,440	0	0	0	0	0	0	0	0	0	0	0
<b>Stormwater Management</b>												
Four Mile Run Channel Maintenance	3,293,000	0	0	936,600	0	0	0	0	1,251,300	4,177,000	0	6,364,900
Lucky Run Stream Restoration	2,800,000	0	0	0	0	0	0	0	0	0	0	0
Strawberry Run Stream Restoration	800,000	0	0	0	0	0	0	0	0	0	0	0
Taylor Run Stream Restoration	2,092,850	0	0	0	0	0	0	0	0	0	0	0
<b>IT Plan</b>												
Office of Voter Registrations and Elections Equipment Replacement	100,000	0	0	0	0	0	0	0	0	1,000,000	0	1,000,000
<b>Category 2 Total</b>	<b>101,729,209</b>	<b>6,114,392</b>	<b>23,045,600</b>	<b>70,422,500</b>	<b>21,253,800</b>	<b>4,294,100</b>	<b>13,111,300</b>	<b>1,548,700</b>	<b>2,101,300</b>	<b>7,253,800</b>	<b>6,707,700</b>	<b>155,853,192</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021- FY 2030
<b>Category 3</b>												
<b>Community Development</b>												
Citywide Street Lighting	1,785,501	875,000	25,800	26,600	27,400	28,200	29,000	29,900	30,800	31,700	32,700	1,137,100
Development Studies	1,625,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
EW & LVD Implementation - Infrastructure Plan	500,000	0	0	0	0	0	0	0	0	0	0	0
Office of Historic Alexandria Initiatives	400,483	422,212	47,400	265,200	273,200	168,900	173,900	186,500	0	0	0	1,537,312
Police Body Worn Cameras	0	0	TBD	0	0	0	0	0	0	0	0	0
Public Art Acquisition	1,810,064	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Stream Valley Design Guidelines	0	250,000	0	0	0	0	0	0	0	0	0	250,000
Transportation Signage & Wayfinding System	2,296,000	130,000	141,000	0	0	0	0	0	0	0	0	271,000
Waterfront Small Area Plan Implementation (w/ Construction Funding)	18,443,000	30,500,000	71,500,000	0	0	0	0	0	0	0	0	102,000,000
<b>Recreation &amp; Parks</b>												
Athletic Field Improvements (incl. Synthetic Turf)	9,938,875	0	0	13,500,000	2,063,800	770,900	812,300	672,100	1,475,400	1,416,800	727,400	21,438,700
Braddock Area Plan Park	2,546,207	0	0	0	0	0	0	0	0	0	3,710,800	3,710,800
Cameron Run Regional Park Feasibility Study	0	100,000	0	0	0	281,400	0	0	0	0	0	381,400
Community Matching Fund	662,741	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
Douglas MacArthur School - Recreation & Parks Programming Space	0	2,000,000	0	0	0	0	0	0	0	0	0	2,000,000
Fort Ward Management Plan Implementation	975,000	170,000	0	150,000	0	200,000	0	200,000	0	200,000	0	920,000
Four Mile Run Park	0	0	0	0	0	1,236,000	566,500	19,570,000	0	0	0	21,372,500
Four Mile Run Park Wetlands Connector Bridge	817,000	0	0	0	0	0	0	0	0	0	0	0
Old Town Pool Renovations	0	0	0	530,500	8,600,000	0	0	0	0	0	0	9,130,500
Open Space Acquisition and Develop.	22,451,863	0	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	6,750,000
Patrick Henry Recreation Center	7,259,986	0	0	0	0	0	0	0	0	0	0	0
Potomac Yard Park Basketball Court Lights	150,000	0	0	0	0	0	0	0	0	0	0	0
<b>Public Buildings</b>												
DCHS Consolidation and Co-Location	1,141,104	906,400	8,520,000	11,904,000	0	0	0	0	0	0	0	21,330,400
<b>Transportation</b>												
Access Improvements at Landmark	0	0	0	0	3,950,230	2,384,400	0	0	0	0	0	6,334,630
Backlick Run Multi-Use Paths	2,851,894	0	2,210,003	2,100,648	300,000	0	0	0	0	0	0	4,610,651
Bicycle Parking at Transit	505,000	0	0	0	0	0	0	0	0	0	0	0
BRAC & Central City Neighborhood Protection Plan	335,000	0	0	0	0	0	0	0	0	0	0	0
Cameron & Prince Bicycle & Pedestrian Facilities	240,000	0	0	0	0	0	0	0	0	0	0	0
Capital Bikeshare	4,307,757	350,000	400,000	250,000	250,000	0	0	0	0	0	0	1,250,000
City Standard Construction Specifications	200,000	0	0	0	0	0	0	0	0	0	0	0
Citywide Parking - Parking Technologies	773,629	629,736	450,000	250,000	0	0	0	0	0	0	0	1,329,736
Citywide Trans. Mgmt. Tech. - Broadband Communications Link	1,000,000	0	0	0	0	0	0	0	0	0	0	0
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	15,009,804	223,123	1,000,000	400,000	600,000	3,084,550	0	0	0	0	0	5,307,673
Citywide Trans. Mgmt. Tech. - Transportation Technologies	1,370,312	250,000	0	265,300	0	281,500	0	298,500	309,500	316,800	326,300	2,047,900
Complete Streets	9,229,888	860,280	1,073,000	786,000	800,000	814,000	829,000	845,000	862,000	879,000	897,000	8,645,280
DASH Electronic Fare Payment	450,000	750,000	0	0	0	0	0	0	0	0	0	750,000
DASH Facility and Fleet Expansion	11,933,161	0	6,422,147	2,688,317	7,648,551	9,063,302	0	0	0	0	0	25,822,317
DASH Technologies	0	0	0	600,000	255,745	0	0	0	0	0	0	855,745
Duke Street and West Taylor Run Safety Improvements	2,545,000	0	0	0	3,905,460	0	0	0	0	0	0	3,905,460
East Glebe & Route 1	4,600,000	0	0	0	0	0	0	0	0	0	0	0
Eisenhower Avenue Roadway Improvements	9,365,631	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trail Connector	1,286,218	0	0	0	0	0	0	0	0	0	0	0
King & Beaugard Intersection Improvements	17,902,862	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	16,781,242	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Avenue North Complete Streets	520,000	0	0	0	0	0	0	0	0	0	0	0
Old Cameron Run Trail	3,545,000	0	0	1,646,273	1,122,727	2,045,000	0	0	0	0	0	4,814,000
Potomac Yard Metrorail Station	384,725,000	0	0	0	0	0	0	0	0	0	0	0
Seminary / Howard Safety Improvements	378,000	0	0	0	0	0	0	0	0	0	0	0
Seminary Road at Beaugard Street Ellipse	425,000	0	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	36,400,000
Traffic Adaptive Signal Control	0	0	7,000,000	0	0	0	0	0	0	0	0	7,000,000
Transit Access & Amenities	4,002,649	823,123	500,000	400,000	0	0	0	0	0	0	0	1,723,123
Transit Corridor "A" - Route 1	29,853,743	0	0	0	0	0	0	0	0	0	0	0
Transit Corridor "B" - Duke Street	12,190,000	0	0	0	0	0	0	0	0	0	0	0
Transit Corridor "C" - West End Transitway	5,400,000	0	8,171,388	4,028,612	23,610,244	33,589,753	0	0	0	0	0	69,399,997
Transitway Enhancements	1,000,000	454,491	0	0	0	0	0	0	0	0	0	454,491
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	500,000	0	0	0	0	0	0	0	0	0	0	0
Van Dorn/Beaugard Bicycle Facilities	1,458,869	0	0	0	0	0	0	0	0	0	0	0
<b>Sanitary Sewers</b>												
AlexRenew Wastewater Treatment Plant Capacity	0	0	0	0	2,251,100	0	0	0	0	0	0	2,251,100
Combined Sewer Assessment & Rehabilitation	3,700,000	2,805,000	3,900,000	3,900,000	0	0	0	0	0	0	0	10,605,000
Holmes Run Trunk Sewer	9,002,000	0	0	0	0	0	0	0	0	0	0	0
<b>Stormwater Management</b>												
Cameron Station Pond Retrofit	4,681,885	0	0	0	0	0	0	0	0	0	0	0
City Facilities Stormwater Best Management Practices (BMPs)	1,633,000	0	0	0	0	0	0	0	0	0	0	0
Green Infrastructure	1,850,000	206,500	210,000	0	1,549,000	0	0	0	0	0	0	1,965,500
NPDES / MS4 Permit	815,000	165,000	170,000	168,400	170,000	171,700	173,500	175,200	177,000	178,700	180,500	1,730,000
Stormwater Utility Implementation	1,673,200	0	0	0	0	0	0	0	0	0	0	0
<b>Category 3 Total</b>	<b>640,843,568</b>	<b>43,570,865</b>	<b>113,190,738</b>	<b>48,809,850</b>	<b>75,027,457</b>	<b>72,269,605</b>	<b>4,034,200</b>	<b>23,427,200</b>	<b>4,304,700</b>	<b>4,473,000</b>	<b>7,324,700</b>	<b>396,432,315</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021- FY 2030
<b>IT Plan</b>												
<b>IT Plan</b>												
AJIS System	3,512,893	6,593,120	3,368,000	1,838,000	268,000	268,000	268,000	268,000	268,000	268,000	268,000	13,675,120
Animal Shelter Server Replacement	130,000	0	0	0	0	0	0	0	0	0	0	0
Application Portfolio Management	100,000	0	0	0	0	0	0	0	0	0	0	0
Business Tax System/Reciprocity Contractor System	1,424,595	0	0	0	0	0	0	0	305,000	0	0	305,000
Computer Aided Dispatch (CAD) System Replacement	16,375,500	300,000	0	0	0	6,700,000	0	0	0	0	0	7,000,000
Connectivity Initiatives	11,823,270	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	400,000	400,000	6,300,000
Council Chamber Technology Upgrade	350,000	0	0	440,000	0	0	66,000	0	0	0	0	506,000
Courtroom Trial Presentation Technology	307,500	100,000	0	100,000	0	0	100,000	100,000	25,000	0	0	425,000
Customer Relationship Management System	1,725,000	0	0	0	0	0	0	0	0	0	0	0
Database Infrastructure	818,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Document Imaging	2,434,375	50,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140,000
Electronic Citations Implementation	420,000	0	0	0	0	0	0	0	0	0	0	0
Electronic Government/Web Page	1,618,196	60,000	160,000	50,000	250,000	50,000	50,000	50,000	50,000	0	0	720,000
Emergency 911 Phone System Upgrade	1,700,000	0	0	0	0	0	0	0	0	0	0	0
Employee Pension Administration System	350,000	0	0	0	0	0	0	0	0	0	0	0
EMS Records Management System	240,000	0	0	0	0	0	0	0	0	0	0	0
Enterprise Camera System	215,000	0	0	0	0	0	0	0	0	0	0	0
Enterprise Collaboration	650,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Data Storage Infrastructure	3,580,435	350,000	400,000	350,000	350,000	350,000	0	0	0	0	0	1,800,000
Enterprise Maintenance Mgmt System	730,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Resource Planning System	4,395,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Service Catalog	220,000	160,000	40,000	40,000	40,000	40,000	0	0	0	0	0	320,000
Fire Dept RMS	0	50,000	307,500	0	0	0	0	0	0	0	0	357,500
Fleet Management System	0	140,000	0	0	0	0	0	0	0	0	0	140,000
FOIA System Replacement	70,000	15,000	0	0	0	0	0	0	0	0	0	15,000
General Services Facilities Management System	0	0	TBD	TBD	0	0	0	0	0	0	0	0
GIS Development	2,494,500	30,000	70,000	30,000	70,000	30,000	85,000	40,000	70,000	30,000	70,000	525,000
HIPAA & Related Health Information Technologies	628,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Impound Lot System Replacement	0	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Information Technology Equipment Replacement	2,952,740	900,000	750,000	750,000	900,000	900,000	900,000	900,000	700,000	700,000	700,000	8,100,000
Information Technology Lump Sum Funding	0	0	1,687,000	1,200,000	3,200,000	3,200,000	3,200,000	3,200,000	3,400,000	3,400,000	3,400,000	25,887,000
IT Enterprise Management System	510,000	0	0	0	0	0	0	0	0	0	0	0
LAN Development	459,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
LAN/WAN Infrastructure	5,693,000	2,481,140	1,302,700	809,400	316,500	323,900	1,567,700	740,900	740,800	740,800	740,800	9,764,640
Library Public Access Computers and Print Mgmt System	45,000	0	0	85,000	0	0	0	0	0	0	0	85,000
Library Scanning Equipment and DAMS	0	60,400	0	0	0	0	0	0	0	0	0	60,400
Library Self-Service Stations/Equipment	160,000	0	0	0	0	152,000	0	0	0	0	0	152,000
Migration of Integrated Library System to SAAS Platform	69,000	0	0	0	0	0	0	0	0	0	0	0
Municipal Fiber	12,410,000	2,000,000	140,000	147,000	154,000	162,000	170,000	179,000	188,000	197,000	207,000	3,544,000
Network Security	3,565,000	300,000	350,000	500,000	605,000	400,000	400,000	800,000	350,000	350,000	350,000	4,405,000
Network Server Infrastructure	8,011,143	410,000	300,000	300,000	300,000	0	0	0	0	0	0	1,310,000
OHA Point-of-Sale System Replacement	0	0	0	0	150,000	0	0	0	0	0	0	150,000
OHA Records Management System Replacement	100,000	0	0	0	0	0	0	0	0	0	0	0
Parking Citation System Replacement	0	530,000	0	0	0	0	0	0	0	0	0	530,000
Permit Processing	4,717,167	300,000	100,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	100,000	1,700,000
Personal Property Tax System	850,000	1,597,139	144,900	152,200	159,800	167,800	176,200	185,000	194,200	203,900	214,100	3,195,239
Phone, Web, Portable Device Payment Portals	350,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Project Management Software	185,000	0	0	0	0	0	0	0	0	0	0	0
Radio System Upgrade	3,340,960	0	3,158,000	3,020,000	2,900,000	0	0	0	0	2,000,000	0	11,078,000
Real Estate Account Receivable System	1,810,000	0	0	0	0	0	0	0	0	0	200,000	200,000
Real Estate Assessment System (CAMA)	340,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
Recreation Database System	110,000	200,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	480,000
Remote Access	833,000	165,000	170,000	175,000	0	0	0	0	0	0	0	510,000
Small Systems Replacements	0	0	0	0	0	0	0	250,000	250,000	250,000	250,000	1,000,000
Time & Attendance System Upgrade	70,000	80,000	0	0	40,000	0	0	0	0	55,000	0	175,000
Upgrade Work Station Operating Systems	3,313,950	150,000	150,000	300,000	200,000	300,000	0	0	0	0	0	1,100,000
Voice Over Internet Protocol (VoIP)	5,322,173	270,000	155,000	120,000	80,000	60,000	0	0	0	0	0	685,000
<b>IT Plan Total</b>	<b>111,529,395</b>	<b>18,170,799</b>	<b>13,971,100</b>	<b>11,415,600</b>	<b>11,023,300</b>	<b>14,177,700</b>	<b>7,932,900</b>	<b>7,952,900</b>	<b>7,781,000</b>	<b>8,804,700</b>	<b>7,009,900</b>	<b>108,239,899</b>
<b>Affordable Housing</b>												
<b>Community Development</b>												
Affordable Housing Funding	10,596,200	9,600,000	6,202,000	6,306,000	6,412,000	6,520,000	6,630,000	6,743,000	6,858,000	6,975,000	7,095,000	69,341,000
<b>Affordable Housing Total</b>	<b>10,596,200</b>	<b>9,600,000</b>	<b>6,202,000</b>	<b>6,306,000</b>	<b>6,412,000</b>	<b>6,520,000</b>	<b>6,630,000</b>	<b>6,743,000</b>	<b>6,858,000</b>	<b>6,975,000</b>	<b>7,095,000</b>	<b>69,341,000</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021- FY 2030
CIP Development & Implementation Staff												
CIP Development & Implementation Staff												
Capital Budget Staff (1.50 FTE)	130,100	80,770	190,000	200,000	210,000	221,000	232,000	244,000	256,000	269,000	282,000	2,184,770
Capital Procurement Personnel (7.60 FTE)	1,879,023	851,680	1,020,000	1,071,000	1,125,000	1,181,000	1,240,000	1,302,000	1,367,000	1,435,000	1,507,000	12,099,680
Capital Project Development Team (2.00 FTE)	465,232	210,470	221,000	232,000	244,000	256,000	269,000	282,000	296,000	311,000	327,000	2,648,470
Capital Project Implementation Non-Personnel Expenditures	409,294	182,200	187,600	193,300	199,100	205,000	211,200	217,500	224,100	230,800	237,700	2,088,500
Capital Project Implementation Personnel (25.00 FTE)	6,502,104	3,525,920	3,833,000	4,025,000	4,226,000	4,437,000	4,659,000	4,892,000	5,137,000	5,394,000	5,664,000	45,792,920
General Services Capital Projects Staff (7.80)	1,079,500	1,072,410	1,126,000	1,182,000	1,241,000	1,303,000	1,368,000	1,436,000	1,508,000	1,583,000	1,662,000	13,481,410
IT Systems Implementation Staff (4.50 FTE)	465,000	494,540	519,000	545,000	572,000	601,000	631,000	663,000	696,000	731,000	768,000	6,220,540
Public Private Partnerships Coordinator (1.00 FTE)	155,000	105,000	110,000	116,000	122,000	128,000	134,000	141,000	148,000	155,000	163,000	1,322,000
Open Space Management Staff (2.00 FTE)	0	256,150	269,000	282,000	296,000	311,000	327,000	343,000	360,000	378,000	397,000	3,219,150
<b>CIP Development &amp; Implementation Staff Total</b>	<b>11,085,253</b>	<b>6,779,140</b>	<b>7,475,600</b>	<b>7,846,300</b>	<b>8,235,100</b>	<b>8,643,000</b>	<b>9,071,200</b>	<b>9,520,500</b>	<b>9,992,100</b>	<b>10,486,800</b>	<b>11,007,700</b>	<b>89,057,440</b>
Reservation of Bond Capacity/Cash Capital for City/School Facilities												
Reservation of Bond Capacity/Cash Capital for City/School Facilities												
City & School Land Acquisition and DCHS Colocation Investment	38,785,000	0	0	0	0	0	0	0	0	0	0	0
Public Buildings												
Witter/Wheeler Campus Funding Reservation	0	0	0	4,000,000	7,000,000	7,000,000	7,000,000	7,000,000	0	0	0	32,000,000
<b>Reservation of Bond Capacity/Cash Capital for City/School Facilities Total</b>	<b>38,785,000</b>	<b>0</b>	<b>0</b>	<b>4,000,000</b>	<b>7,000,000</b>	<b>7,000,000</b>	<b>7,000,000</b>	<b>7,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32,000,000</b>
<b>Grand Total</b>	<b>1,799,448,826</b>	<b>342,713,998</b>	<b>313,365,638</b>	<b>244,411,650</b>	<b>234,617,057</b>	<b>221,628,305</b>	<b>132,794,800</b>	<b>177,396,800</b>	<b>123,701,300</b>	<b>167,127,400</b>	<b>146,498,200</b>	<b>2,104,255,148</b>

# SUMMARY FUNDING TABLES

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**Table 1**  
**Proposed FY 2021 – FY 2030 Capital Improvement Program**  
**Total Sources and Uses of Capital Improvement Program Funds**

Source of Funds	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTAL FY 2021 - 2030
<b>All City Cash Sources (Cash Capital)</b>											
General Fund Planned Appropriations (Transfer from General Fund)	39,486,127	49,220,000	23,945,000	20,980,000	20,440,000	20,920,000	23,555,000	25,195,000	26,330,000	27,350,000	277,421,127
Use of CIP Designated Fund Balance	10,000,000	3,000,000	2,500,000	2,500,000	1,000,000	-	-	-	-	-	19,000,000
Tax Rate Increase (Includes June Payment)	12,770,256	-	-	-	-	-	-	-	-	-	12,770,256
Reprogrammed Capital Balances	5,000,000	-	-	-	-	-	-	-	-	-	5,000,000
<b>Subtotal, All Unrestricted City Cash Sources</b>	<b>67,256,383</b>	<b>52,220,000</b>	<b>26,445,000</b>	<b>23,480,000</b>	<b>21,440,000</b>	<b>20,920,000</b>	<b>23,555,000</b>	<b>25,195,000</b>	<b>26,330,000</b>	<b>27,350,000</b>	<b>314,191,383</b>
<b>Unrestricted Borrowing Sources</b>											
General Obligation Bonds (Excl. Sewers/TIP/Potomac Yard)	246,087,876	204,742,300	166,351,600	117,734,800	96,937,300	80,595,200	115,118,350	62,189,800	109,252,200	85,232,450	1,284,241,876
<b>Subtotal, All Unrestricted City Sources</b>	<b>313,344,259</b>	<b>256,962,300</b>	<b>192,796,600</b>	<b>141,214,800</b>	<b>118,377,300</b>	<b>101,515,200</b>	<b>138,673,350</b>	<b>87,384,800</b>	<b>135,582,200</b>	<b>112,582,450</b>	<b>1,598,433,259</b>
<b>Restricted City Sources</b>											
Meals Tax Dedication for Affordable Housing	5,100,000	5,202,000	5,306,000	5,412,000	5,520,000	5,630,000	5,743,000	5,858,000	5,975,000	6,095,000	55,841,000
Code Fund Balance	300,000	100,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	100,000	1,700,000
Potomac Yard Special Tax District Revenue	201,351	211,800	222,900	234,000	246,100	258,200	271,300	284,400	298,500	313,600	2,542,151
Sanitary Sewer Fees and Fund Balance	4,898,020	9,185,000	9,230,000	7,628,100	5,427,000	5,479,000	5,534,000	5,591,000	5,651,000	5,715,000	64,338,120
Stormwater Utility Fees	2,624,740	2,539,000	2,540,200	2,540,100	2,540,400	2,539,300	2,540,800	2,539,600	2,540,500	2,541,400	25,486,040
General Obligation Bonds - Stormwater Management	2,910,000	3,570,000	3,845,000	8,020,000	15,110,000	7,665,000	9,255,000	16,205,000	6,990,000	2,890,000	76,460,000
Cash Capital - Transportation Improvement Program	1,747,104	667,000	1,903,300	1,460,000	1,765,500	1,509,000	1,833,500	1,871,500	1,906,800	1,946,300	16,610,004
<b>Subtotal, Restricted City Sources</b>	<b>17,781,215</b>	<b>21,474,800</b>	<b>23,147,400</b>	<b>25,394,200</b>	<b>30,709,000</b>	<b>23,180,500</b>	<b>25,527,600</b>	<b>32,699,500</b>	<b>23,461,800</b>	<b>19,601,300</b>	<b>242,977,315</b>
<b>Non-City Sources</b>											
CMAQ/RSTP	1,554,491	400,000	850,000	505,745	3,084,550	-	-	-	-	-	6,394,786
Comcast Revenues	1,700,000	1,000,000	1,000,000	-	-	-	-	-	-	-	3,700,000
NVTA 30%	3,483,000	3,625,000	3,771,000	3,921,000	4,075,000	1,833,000	1,924,000	2,017,000	2,113,000	2,211,000	28,973,000
NVTA 70%	-	2,200,000	-	-	-	-	-	-	-	-	2,200,000
Private Capital Contributions	100,000	100,000	3,600,000	16,300,000	16,800,000	100,000	100,000	100,000	100,000	100,000	37,400,000
State/Federal Grants	4,118,982	23,553,538	11,513,850	41,137,212	47,082,455	-	-	-	-	-	127,406,037
State/Federal Grants (Unsecured)	-	2,550,000	6,232,800	4,644,100	-	4,666,100	9,671,850	-	4,370,400	10,503,450	42,638,700
State Revenue Sharing	632,051	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	14,132,051
<b>Subtotal, Non-City Sources</b>	<b>11,588,524</b>	<b>34,928,538</b>	<b>28,467,650</b>	<b>68,008,057</b>	<b>72,542,005</b>	<b>8,099,100</b>	<b>13,195,850</b>	<b>3,617,000</b>	<b>8,083,400</b>	<b>14,314,450</b>	<b>262,844,574</b>
<b>Total, All Sources</b>	<b>342,713,998</b>	<b>313,365,638</b>	<b>244,411,650</b>	<b>234,617,057</b>	<b>221,628,305</b>	<b>132,794,800</b>	<b>177,396,800</b>	<b>123,701,300</b>	<b>167,127,400</b>	<b>146,498,200</b>	<b>2,104,255,148</b>

% from Bonds	72.7%	66.5%	69.6%	53.6%	50.6%	66.5%	70.1%	63.4%	69.6%	60.2%	64.7%
% from City and Other Cash Sources	27.3%	33.5%	30.4%	46.4%	49.4%	33.5%	29.9%	36.6%	30.4%	39.8%	35.3%

General Fund Operating Support of Capital Program	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTAL FY 2021 - 2030
<b>General Fund Debt Service (Existing and Projected)</b>											
City Projects	37,288,070	38,985,884	57,773,317	70,368,491	77,035,684	80,432,917	82,692,157	87,159,248	89,650,055	91,384,518	712,770,342
School Projects	28,578,698	30,520,552	44,825,558	46,607,263	49,650,340	50,032,166	49,798,707	51,538,765	52,015,527	53,471,386	457,038,961
<b>General Fund Debt Service (Existing and Projected)</b>	<b>65,866,768</b>	<b>69,506,436</b>	<b>102,598,875</b>	<b>116,975,754</b>	<b>126,686,024</b>	<b>130,465,084</b>	<b>132,490,864</b>	<b>138,698,013</b>	<b>141,665,582</b>	<b>144,855,904</b>	<b>1,169,809,303</b>
<b>Cash Capital Funding</b>											
General Fund Cash Capital	47,999,631	49,220,000	23,945,000	20,980,000	20,440,000	20,920,000	23,555,000	25,195,000	26,330,000	27,350,000	285,934,631
Cash Capital - Transportation Improvement Program	1,747,104	667,000	1,903,300	1,460,000	1,765,500	1,509,000	1,833,500	1,871,500	1,906,800	1,946,300	16,610,004
<b>Total Cash Capital Funding</b>	<b>49,746,735</b>	<b>49,887,000</b>	<b>25,848,300</b>	<b>22,440,000</b>	<b>22,205,500</b>	<b>22,429,000</b>	<b>25,388,500</b>	<b>27,066,500</b>	<b>28,236,800</b>	<b>29,296,300</b>	<b>302,544,635</b>
<b>Total General Fund Support of Capital Program</b>	<b>115,613,503</b>	<b>119,393,436</b>	<b>128,447,175</b>	<b>139,415,754</b>	<b>148,891,524</b>	<b>152,894,084</b>	<b>157,879,364</b>	<b>165,764,513</b>	<b>169,902,382</b>	<b>174,152,204</b>	<b>1,472,353,938</b>
<i>Year-over-Year Increase</i>		3.3%	7.6%	8.5%	6.8%	2.7%	3.3%	5.0%	2.5%	2.5%	
<i>Proposed Revenue Increases to Support City and School Capital **</i>											
FY 2021 Real Estate Property Tax (+2¢)	8,513,504	8,743,000	8,979,000	9,221,000	9,470,000	9,726,000	9,989,000	10,259,000	10,536,000	10,820,000	96,256,504
FY 2021 Real Estate Property Tax (+2¢)	-	-	8,979,000	9,221,000	9,470,000	9,726,000	9,989,000	10,259,000	10,536,000	10,820,000	79,000,000
FY 2021 Real Estate Property Tax (+2¢)	-	-	-	-	9,470,000	9,726,000	9,989,000	10,259,000	10,536,000	10,820,000	60,800,000
<b>Total Proposed New Revenue to Mitigate Existing General Fund Support of Capital Program</b>	<b>8,513,504</b>	<b>8,743,000</b>	<b>17,958,000</b>	<b>18,442,000</b>	<b>28,410,000</b>	<b>29,178,000</b>	<b>29,967,000</b>	<b>30,777,000</b>	<b>31,608,000</b>	<b>32,460,000</b>	<b>236,056,504</b>

**Notes**

\*Planned Tax Rate increases necessary to support School and City Capital Programs may be used as direct cash capital or to pay debt service on borrowing for capital projects. Allocation of funds will dependent on project timing and cash flows needs at time of budget development.  
 \*\*Conversion of Planned Tax Rate increases for School and City Capital Programs to debt service could yield \$280 million - \$320 million, depending on available borrowing interest rates.

All Uses (CIP Document Section)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTAL FY 2021 - 2030
Schools	198,801,600	83,827,400	23,711,800	41,592,400	37,756,200	16,529,200	39,644,600	20,026,800	53,861,500	14,962,400	530,713,900
Community Development	45,017,596	85,509,900	10,696,800	8,368,000	10,386,200	8,464,300	10,400,500	11,929,500	11,614,500	11,203,400	213,590,696
Recreation & Parks	6,953,432	10,514,500	26,193,200	15,162,200	7,839,800	7,027,900	27,877,400	7,983,600	11,205,900	15,115,200	135,873,132
Public Buildings	20,832,661	38,457,400	86,063,500	39,306,800	25,796,300	33,877,700	17,960,300	13,600,300	16,595,000	25,936,400	318,426,361
Transportation	36,435,753	59,010,738	63,635,250	93,581,057	94,872,705	35,213,300	47,803,800	29,236,400	39,658,500	51,501,800	550,949,303
Sanitary Sewers	4,055,000	8,300,000	8,300,000	6,651,100	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	53,706,100
Stormwater Management	4,880,250	5,422,000	5,663,200	9,802,100	16,853,400	9,366,300	10,915,800	17,820,600	8,560,500	4,412,400	93,696,550
Other Regional Contributions	787,767	877,000	886,000	895,000	903,000	912,000	921,000	931,000	940,000	949,000	9,001,767
IT Plan	18,170,799	13,971,100	11,415,600	11,023,300	14,177,700	7,932,900	7,952,900	7,781,000	9,804,700	7,009,900	109,239,899
CIP Development & Implementation Staff	6,779,140	7,475,600	7,846,300	8,235,100	8,643,000	9,071,200	9,520,500	9,992,100	10,486,800	11,007,700	89,057,440
<b>Grand Total</b>	<b>342,713,998</b>	<b>313,365,638</b>	<b>244,411,650</b>	<b>234,617,057</b>	<b>221,628,305</b>	<b>132,794,800</b>	<b>177,396,800</b>	<b>123,701,300</b>	<b>167,127,400</b>	<b>146,498,200</b>	<b>2,104,255,148</b>

All Uses (CIP Document Section)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTAL FY 2021 - 2030
Schools	198,801,600	83,827,400	23,711,800	41,592,400	37,756,200	16,529,200	39,644,600	20,026,800	53,861,500	14,962,400	530,713,900
Community Development	45,017,596	85,509,900	10,696,800	8,368,000	10,386,200	8,464,300	10,400,500	11,929,500	11,614,500	11,203,400	213,590,696
Recreation & Parks	6,853,432	8,514,500	26,093,200	15,062,200	7,739,800	6,927,900	27,777,400	7,883,600	11,105,900	15,015,200	132,973,132
Public Buildings	18,389,661	37,807,400	86,063,500	39,306,800	25,796,300	33,877,700	17,960,300	13,600,300	16,595,000	25,936,400	315,333,361
Transportation	29,090,229	27,732,200	36,267,600	25,673,000	22,430,700	27,214,200	34,707,950	25,719,400	31,675,100	37,287,350	297,797,729
Sanitary Sewers	4,055,000	8,300,000	8,300,000	6,651,100	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	53,706,100
Stormwater Management	4,880,250	5,422,000	5,663,200	9,802,100	16,853,400	9,366,300	10,915,800	17,820,600	8,560,500	4,412,400	93,696,550
Other Regional Contributions	787,767	877,000	886,000	895,000	903,000	912,000	921,000	931,000	940,000	949,000	9,001,767
IT Plan	16,470,799	12,971,100	10,415,600	11,023,300	14,177,700	7,932,900	7,952,900	7,781,000	9,804,700	7,009,900	105,539,899
CIP Development & Implementation Staff	6,779,140	7,475,600	7,846,300	8,235,100	8,643,000	9,071,200	9,520,500	9,992,100	10,486,800	11,007,700	89,057,440
<b>TOTAL Proposed FY 2021 - FY 2030 (City Share)</b>	<b>331,125,474</b>	<b>278,437,100</b>	<b>215,944,000</b>	<b>166,609,000</b>	<b>149,086,300</b>	<b>124,695,700</b>	<b>164,200,950</b>	<b>120,084,300</b>	<b>159,044,000</b>	<b>132,183,750</b>	<b>1,841,410,574</b>

All Uses (CIP Document Section)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTAL FY 2021 - 2030
Schools	-	-	-	-	-	-	-	-	-	-	-
Community Development	-	-	-	-	-	-	-	-	-	-	-
Recreation & Parks	100,000	2,000,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	2,900,000
Public Buildings	2,443,000	650,000	-	-	-	-	-	-	-	-	3,093,000
Transportation	7,345,524	31,278,538	27,367,650	67,908,057	72,442,005	7,999,100	13,095,850	3,517,000	7,983,400	14,214,450	253,151,574
Sanitary Sewers	-	-	-	-	-	-	-	-	-	-	-
Stormwater Management	-	-	-	-	-	-	-	-	-	-	-
Other Regional Contributions	-	-	-	-	-	-	-	-	-	-	-
IT Plan	1,700,000	1,000,000	1,000,000	-	-	-	-	-	-	-	3,700,000
CIP Development & Implementation Staff	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL Proposed FY 2021 - FY 2030 (Non-City Share)</b>	<b>11,588,524</b>	<b>34,928,538</b>	<b>28,467,650</b>	<b>68,008,057</b>	<b>72,542,005</b>	<b>8,099,100</b>	<b>13,195,850</b>	<b>3,617,000</b>	<b>8,083,400</b>	<b>14,314,450</b>	<b>262,844,574</b>

**Table 2**  
**Proposed FY 2021 – FY 2030 Capital Improvement Program**  
**Sources and Uses of Funds**  
**For the Ten Fiscal Years Ending June 30, 2030**

City Funded Sources	Recurring Cash Capital (1)	Projected G/F Debt Service (2)	Total General Fund
Planned Future General Fund Appropriations to Support Capital Projects, FY 2021 - 2030			
FY 2021	\$54,846,735	\$65,866,768	\$120,713,503
FY 2022	\$55,089,000	\$69,506,436	\$124,595,436
FY 2023	\$31,154,300	\$102,598,875	\$133,753,175
FY 2024	\$27,852,000	\$116,975,754	\$144,827,754
FY 2025	\$27,725,500	\$126,686,024	\$154,411,524
FY 2026	\$28,059,000	\$130,465,084	\$158,524,084
FY 2027	\$31,131,500	\$132,490,864	\$163,622,364
FY 2028	\$32,924,500	\$138,698,013	\$171,622,513
FY 2029	\$34,211,800	\$141,665,582	\$175,877,382
FY 2030	\$35,391,300	\$144,855,904	\$180,247,204
<b>TOTAL Planned Future Appropriations</b>	<b>\$358,385,635</b>	<b>\$1,169,809,303</b>	<b>\$1,528,194,938</b>
(1) Includes only recurring Cash Capital, TIP cash and Meals Tax Dedication for Affordable Housing, but not one-time cash sources.			
(2) Includes planned Landmark Development.			
Planned General Obligation Bond Issues (1)			
FY 2021	\$248,997,876		
FY 2022	\$208,312,300		
FY 2023	\$170,196,600		
FY 2024	\$125,754,800		
FY 2025	\$112,047,300		
FY 2026	\$88,260,200		
FY 2027	\$124,373,350		
FY 2028	\$78,394,800		
FY 2029	\$116,242,200		
FY 2030	\$88,122,450		
<b>TOTAL Planned General Obligation Bond Issues</b>	<b>\$1,360,701,876</b>		
(1) This reflects the planned capital expenditures per fiscal year that will be funded by GO Bonds. Actual schedule of borrowing may vary, dependent on the cash flow needs of existing on-going projects and planned future projects.			
Planned Other City Sources			
Reprogrammed Prior Year Balances	\$5,000,000		
Tax Rate Increase; June Payment	\$4,256,752		
Use of CIP Designated Fund Balance	\$19,000,000		
Code Fund Balance	\$1,700,000		
Potomac Yard Special Tax District Revenue	\$2,542,151		
Sanitary Sewer Fees	\$64,338,120		
Stormwater Utility Fees	\$25,486,040		
<b>TOTAL Planned Other City Sources</b>	<b>\$122,323,063</b>		
<b>TOTAL CITY SOURCES (FY 2021 - FY 2030)</b>	<b>\$3,011,219,877</b>		

**Table 2 (Continued)**  
**Proposed FY 2021 – FY 2030 Capital Improvement Program**  
**Sources and Uses of Funds**  
**For the Ten Fiscal Years Ending June 30, 2030**

Proposed FY 2021 - FY 2030 City Funded CIP

FY 2021 Proposed Capital Budget	\$330,625,474
FY 2022 Proposed Capital Budget	\$277,837,100
FY 2023 Proposed Capital Budget	\$215,944,000
FY 2024 Proposed Capital Budget	\$166,609,000
FY 2025 Proposed Capital Budget	\$149,086,300
FY 2026 Proposed Capital Budget	\$124,695,700
FY 2027 Proposed Capital Budget	\$164,200,950
FY 2028 Proposed Capital Budget	\$120,084,300
FY 2029 Proposed Capital Budget	\$159,044,000
FY 2030 Proposed Capital Budget	\$132,183,750
<b>TOTAL CITY FUNDED USES (FY 2021 - FY 2030)</b>	<b>\$1,840,310,574</b>

# Table 3

## Proposed FY 2021 – FY 2030 Capital Improvement Program Summary by Funding Source

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>Cash Capital</b>											
<b>ACPS</b>											
ACPS Capital Program	374,034	15,685,700	799,100	131,000	0	0	1,576,300	3,083,400	2,589,500	5,933,400	30,172,434
<b>Community Development</b>											
Affordable Housing Funding	4,500,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	13,500,000
Braddock Road Area Plan - Streetscape Improvements	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	450,000
Citywide Street Lighting	875,000	25,800	26,600	27,400	28,200	29,000	29,900	30,800	31,700	32,700	1,137,100
Development Studies	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Environmental Restoration	125,000	0	125,000	0	125,000	0	125,000	0	100,000	0	600,000
Fire Hydrant Maintenance Program	350,000	360,500	371,400	382,500	394,000	289,900	298,600	307,500	316,700	326,200	3,397,300
Gadsby Lighting Fixtures & Poles Replacement	950,000	950,000	950,000	0	84,500	0	89,600	92,300	0	97,900	3,214,300
Office of Historic Alexandria Initiatives	422,212	47,400	265,200	273,200	168,900	173,900	186,500	0	0	0	1,537,312
Public Art Acquisition	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Public Art Conservation Program	50,000	51,600	63,900	43,800	56,400	58,000	59,800	73,900	50,800	65,400	573,600
Stream Valley Design Guidelines	250,000	0	0	0	0	0	0	0	0	0	250,000
Waterfront Small Area Plan Implementation (w/ Construction Funding)	5,000,000	0	0	0	0	0	0	0	0	0	5,000,000
<b>Recreation &amp; Parks</b>											
Americans with Disabilities Act (ADA) Requirements	100,000	103,000	106,300	109,400	112,700	116,000	131,500	135,300	139,600	143,600	1,197,400
Cameron Run Regional Park Feasibility Study	100,000	0	0	0	281,400	0	0	0	0	0	381,400
City Marina Maintenance	45,000	46,400	47,900	49,300	50,800	52,200	77,700	80,000	82,500	84,900	616,700
Community Matching Fund	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Fort Ward Management Plan Implementation	170,000	0	150,000	0	200,000	0	200,000	0	200,000	0	920,000
Open Space Acquisition and Develop.	0	750,000	0	0	0	0	0	0	0	0	750,000
Park Renovations CFMP	416,000	423,600	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,639,600
Playground Renovations CFMP	0	1,000,000	0	0	0	0	0	0	0	0	1,000,000
Proactive Maintenance of the Urban Forest	106,500	206,000	212,200	218,600	225,200	231,900	238,900	246,000	253,400	261,000	2,199,700
Public Pools	52,000	53,800	103,100	106,200	109,400	112,500	116,000	123,400	158,500	163,200	1,098,100
Torpedo Factory Space Programming & Improvements	300,000	445,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	1,145,000
Tree & Shrub Capital Maintenance	219,500	333,800	260,900	356,400	367,100	378,000	430,100	442,800	456,200	469,900	3,714,700
Water Management & Irrigation	128,000	131,900	135,900	140,000	144,300	148,500	167,400	172,400	177,500	182,800	1,528,700
<b>Public Buildings</b>											
Capital Planning & Building Assessment (Condition Assessment)	0	100,000	0	100,000	0	150,000	0	150,000	0	150,000	650,000
Courthouse CFMP	0	2,000,000	0	0	0	0	0	0	0	0	2,000,000
Energy Management Program	783,500	759,200	411,000	424,000	438,000	377,900	467,000	483,000	500,000	518,000	5,161,600
General Services CFMP	270,000	360,500	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,430,500
Health Department CFMP	193,900	11,400	11,700	12,100	12,400	0	0	0	0	0	241,500
Office of the Sheriff CFMP	0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
Parking Garages CFMP	10,000	10,300	10,700	11,000	11,300	11,600	12,000	12,300	12,700	13,100	115,000
Union Station Improvements	250,000	0	0	0	0	0	0	0	0	0	250,000
Vola Lawson Animal Shelter	40,000	41,200	42,500	133,000	148,100	269,100	900,000	1,223,300	241,700	271,800	3,310,700
<b>Transportation</b>											
Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	100,000	103,000	138,200	175,200	202,800	208,800	215,000	221,400	228,200	235,100	1,827,700
Complete Streets	860,280	823,000	536,000	550,000	564,000	579,000	595,000	612,000	629,000	647,000	6,395,280
DASH Hybrid Bus and Trolley Powertrain Replacement	0	412,000	371,400	382,500	394,000	347,800	298,600	184,500	0	0	2,390,800
Shared-Use Paths	0	150,000	0	150,000	0	150,000	0	0	0	0	450,000
<b>Other Regional Contributions</b>											
Northern Virginia Community College (NVCC)	362,363	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	440,000	4,172,363
Northern Virginia Regional Park Authority (NVRPA)	425,404	470,000	475,000	480,000	484,000	489,000	494,000	499,000	504,000	509,000	4,829,404

Note: Projects with a \$0 total funding are active capital projects funded in prior CIP's that do not require additional resources.

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>IT Plan</b>											
AJIS System	6,593,120	3,368,000	1,838,000	268,000	268,000	268,000	268,000	268,000	268,000	268,000	13,675,120
Application Portfolio Management	0	0	0	0	0	0	0	0	0	0	0
Business Tax System/Reciprocity Contractor System	0	0	0	0	0	0	0	305,000	0	0	305,000
Computer Aided Dispatch (CAD) System Replacement	300,000	0	0	0	859,900	0	0	0	0	0	1,159,900
Connectivity Initiatives	0	0	0	670,000	704,000	740,000	780,000	780,000	400,000	400,000	4,474,000
Council Chamber Technology Upgrade	0	0	440,000	0	0	66,000	0	0	0	0	506,000
Courtroom Trial Presentation Technology	100,000	0	100,000	0	0	100,000	100,000	25,000	0	0	425,000
Customer Relationship Management System	0	0	0	0	0	0	0	0	0	0	0
Database Infrastructure	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Document Imaging	50,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140,000
Electronic Citations Implementation	0	0	0	0	0	0	0	0	0	0	0
Electronic Government/Web Page	60,000	160,000	50,000	250,000	50,000	50,000	50,000	50,000	0	0	720,000
Employee Pension Administration System	0	0	0	0	0	0	0	0	0	0	0
Enterprise Camera System	0	0	0	0	0	0	0	0	0	0	0
Enterprise Collaboration	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Data Storage Infrastructure	350,000	400,000	350,000	350,000	350,000	0	0	0	0	0	1,800,000
Enterprise Maintenance Mgmt System	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Resource Planning System	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Service Catalog	160,000	40,000	40,000	40,000	40,000	0	0	0	0	0	320,000
Fire Dept RMS	50,000	307,500	0	0	0	0	0	0	0	0	357,500
Fleet Management System	140,000	0	0	0	0	0	0	0	0	0	140,000
FOIA System Replacement	15,000	0	0	0	0	0	0	0	0	0	15,000
General Services Facilities Management System	0	TBD	TBD	0	0	0	0	0	0	0	0
GIS Development	30,000	70,000	30,000	70,000	30,000	85,000	40,000	70,000	30,000	70,000	525,000
HIPAA & Related Health Information Technologies	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Impound Lot System Replacement	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Information Technology Equipment Replacement	900,000	750,000	750,000	900,000	900,000	900,000	900,000	700,000	700,000	700,000	8,100,000
Information Technology Lump Sum Funding	0	1,687,000	1,200,000	700,000	2,200,000	3,200,000	3,200,000	3,400,000	3,400,000	3,400,000	22,387,000
LAN Development	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
LAN/WAN Infrastructure	1,360,140	910,700	448,400	316,500	323,900	1,567,700	740,900	740,800	740,800	740,800	7,890,640
Library Public Access Computers and Print Mgmt System	0	0	85,000	0	0	0	0	0	0	0	85,000
Library Scanning Equipment and DAMS	60,400	0	0	0	0	0	0	0	0	0	60,400
Library Self-Service Stations/Equipment	0	0	0	0	152,000	0	0	0	0	0	152,000
Municipal Fiber	2,000,000	140,000	147,000	154,000	162,000	170,000	179,000	188,000	197,000	207,000	3,544,000
Network Security	300,000	350,000	500,000	605,000	400,000	400,000	800,000	350,000	350,000	350,000	4,405,000
Network Server Infrastructure	410,000	300,000	300,000	300,000	0	0	0	0	0	0	1,310,000
Office of Voter Registrations and Elections Equipment Replacement	0	0	0	0	0	0	0	0	1,000,000	0	1,000,000
OHA Point-of-Sale System Replacement	0	0	0	150,000	0	0	0	0	0	0	150,000
OHA Records Management System Replacement	0	0	0	0	0	0	0	0	0	0	0
Parking Citation System Replacement	530,000	0	0	0	0	0	0	0	0	0	530,000
Personal Property Tax System	1,597,139	144,900	152,200	159,800	167,800	176,200	185,000	194,200	203,900	214,100	3,195,239
Phone, Web, Portable Device Payment Portals	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Radio System Upgrade	0	3,158,000	3,020,000	2,900,000	0	0	0	0	2,000,000	0	11,078,000
Real Estate Account Receivable System	0	0	0	0	0	0	0	0	0	200,000	200,000
Real Estate Assessment System (CAMA)	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
Recreation Database System	200,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	480,000
Remote Access	165,000	170,000	175,000	0	0	0	0	0	0	0	510,000
Small Systems Replacements	0	0	0	0	0	0	250,000	250,000	250,000	250,000	1,000,000
Time & Attendance System Upgrade	80,000	0	0	40,000	0	0	0	0	55,000	0	175,000
Upgrade Work Station Operating Systems	150,000	150,000	300,000	200,000	300,000	0	0	0	0	0	1,100,000
Voice Over Internet Protocol (VoIP)	270,000	155,000	120,000	80,000	60,000	0	0	0	0	0	685,000
<b>CIP Development &amp; Implementation Staff</b>											
Capital Budget Staff (1.50 FTE)	80,770	190,000	200,000	210,000	221,000	232,000	244,000	256,000	269,000	282,000	2,184,770
Capital Procurement Personnel (7.60 FTE)	851,680	1,020,000	1,071,000	1,125,000	1,181,000	1,240,000	1,302,000	1,367,000	1,435,000	1,507,000	12,099,680
Capital Project Development Team (2.00 FTE)	210,470	221,000	232,000	244,000	256,000	269,000	282,000	296,000	311,000	327,000	2,648,470
Capital Project Implementation Non-Personnel Expenditures	180,500	185,800	191,400	197,100	202,900	209,000	215,200	221,700	228,300	235,100	2,067,000
Capital Project Implementation Personnel (25.00 FTE)	1,590,115	1,801,000	1,890,000	1,984,000	2,082,000	2,186,000	2,295,000	2,411,000	2,532,000	2,659,000	21,430,115
General Services Capital Projects Staff (7.80)	1,072,410	1,126,000	1,182,000	1,241,000	1,303,000	1,368,000	1,436,000	1,508,000	1,583,000	1,662,000	13,481,410
IT Systems Implementation Staff (4.50 FTE)	494,540	519,000	545,000	572,000	601,000	631,000	663,000	696,000	731,000	768,000	6,220,540
Public Private Partnerships Coordinator (1.00 FTE)	105,000	110,000	116,000	122,000	128,000	134,000	141,000	148,000	155,000	163,000	1,322,000
Open Space Management Staff (2.00 FTE)	256,150	269,000	282,000	296,000	311,000	327,000	343,000	360,000	378,000	397,000	3,219,150
<b>Cash Capital Total</b>	<b>39,486,127</b>	<b>49,220,000</b>	<b>23,945,000</b>	<b>20,980,000</b>	<b>20,440,000</b>	<b>20,920,000</b>	<b>23,555,000</b>	<b>25,195,000</b>	<b>26,330,000</b>	<b>27,350,000</b>	<b>277,421,127</b>
<b>CMAQ/RSTP</b>											
<b>Transportation</b>											
Capital Bikeshare	350,000	400,000	250,000	250,000	0	0	0	0	0	0	1,250,000
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	0	0	0	0	3,084,550	0	0	0	0	0	3,084,550
DASH Electronic Fare Payment	750,000	0	0	0	0	0	0	0	0	0	750,000
DASH Technologies	0	0	600,000	255,745	0	0	0	0	0	0	855,745
Transitway Enhancements	454,491	0	0	0	0	0	0	0	0	0	454,491
<b>CMAQ/RSTP Total</b>	<b>1,554,491</b>	<b>400,000</b>	<b>850,000</b>	<b>505,745</b>	<b>3,084,550</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,394,786</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIP's that do not require additional resources.

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
Code Fund Balance											
IT Plan											
Permit Processing	300,000	100,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	100,000	1,700,000
Code Fund Balance Total	300,000	100,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	100,000	1,700,000
Comcast Revenues											
IT Plan											
Connectivity Initiatives	579,000	608,000	639,000	0	0	0	0	0	0	0	1,826,000
LAN/WAN Infrastructure	1,121,000	392,000	361,000	0	0	0	0	0	0	0	1,874,000
Comcast Revenues Total	1,700,000	1,000,000	1,000,000	0	0	0	0	0	0	0	3,700,000
General Cash or Bonds											
Community Development											
Police Body Worn Cameras	0	0	0	0	0	0	0	0	0	0	0
General Cash or Bonds Total	0	0	0	0	0	0	0	0	0	0	0
GO Bonds											
ACPS											
ACPS Capital Program	170,657,310	65,141,700	20,412,700	41,461,400	37,756,200	16,529,200	38,068,300	16,943,400	51,272,000	9,029,000	467,271,210
Community Development											
Fire Department Vehicles & Apparatus	611,924	3,019,600	1,867,700	499,100	2,267,200	529,500	2,102,100	3,789,000	3,350,300	2,781,200	20,817,624
Oronoco Outfall Remediation Project	450,000	2,500,000	0	0	0	0	0	0	0	0	2,950,000
Transportation Signage & Wayfinding System	130,000	141,000	0	0	0	0	0	0	0	0	271,000
Waterfront Small Area Plan Implementation (w/ Construction Funding)	25,500,000	71,500,000	0	0	0	0	0	0	0	0	97,000,000
Recreation & Parks											
Athletic Field Improvements (incl. Synthetic Turf)	0	0	13,500,000	2,063,800	770,900	812,300	672,100	1,475,400	1,416,800	727,400	21,438,700
Ball Court Renovations	150,000	154,500	159,200	164,100	169,000	174,000	194,200	203,100	209,200	215,500	1,792,800
Braddock Area Plan Park	0	0	0	0	0	0	0	0	0	3,710,800	3,710,800
Chinquin Recreation Center CFMP	515,700	203,000	203,900	253,200	957,500	340,800	263,000	234,400	646,200	715,300	4,333,000
Citywide Parks Improvements Plan	274,632	0	637,800	0	0	0	500,000	0	1,000,000	500,000	2,912,432
Douglas MacArthur School - Recreation & Parks Programming Space	2,000,000	0	0	0	0	0	0	0	0	0	2,000,000
Four Mile Run Park	0	0	0	0	1,236,000	566,500	19,570,000	0	0	0	21,372,500
Holmes Run Trail Repairs	1,000,000	3,100,000	0	0	0	0	0	0	0	0	4,100,000
Neighborhood Pool Demolition and Conversion	0	461,000	0	0	0	0	0	0	0	0	461,000
Old Town Pool Renovations	0	0	530,500	8,600,000	0	0	0	0	0	0	9,130,500
Open Space Acquisition and Develop.	0	0	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	6,000,000
Park Renovations CFMP	0	0	341,500	354,700	368,400	382,400	447,100	453,600	470,200	487,300	3,305,200
Patrick Henry Turf Fields and Recreation Center	0	0	2,363,600	0	0	0	0	0	0	0	2,363,600
Pavement in Parks	200,000	200,000	225,000	240,000	240,000	240,000	275,000	275,000	275,000	275,000	2,445,000
Playground Renovations CFMP	622,000	10,400	1,060,300	1,071,900	1,104,100	1,137,200	954,500	983,200	1,012,700	1,043,100	8,999,400
Recreation Centers CFMP	184,100	106,300	177,400	148,500	211,200	1,038,300	1,673,000	1,271,600	2,699,200	4,204,800	11,714,400
Restroom Renovations	0	0	0	0	0	0	657,700	572,000	686,800	602,000	2,518,500
Soft Surface Trails	120,000	123,700	124,400	131,300	135,300	139,300	143,400	147,700	152,300	156,700	1,374,100
Waterfront Parks CFMP	50,000	66,000	53,300	54,800	56,500	58,000	65,800	67,700	69,800	71,900	613,800
Windmill Hill Park Improvements	0	496,100	4,700,000	0	0	0	0	0	0	0	5,196,100
Public Buildings											
2355 Mill Road CFMP	240,000	245,500	251,100	298,500	827,200	268,500	274,600	301,700	287,000	861,300	3,855,400
Alexandria Police CFMP	150,000	154,500	159,200	164,000	168,900	173,900	179,200	184,500	190,100	195,800	1,720,100
Alexandria Transit - DASH CFMP	1,642,700	701,500	53,100	54,700	56,300	58,000	59,800	61,500	63,400	65,300	2,816,300
Beatley Building Envelope Restoration	531,300	0	0	0	0	0	0	0	0	0	531,300
Burke Branch Renovation	0	825,000	0	0	0	0	0	0	0	0	825,000
City Hall Renovation and HVAC Replacement	1,500,000	4,200,000	51,400,000	4,400,000	0	0	0	0	0	0	61,500,000
City Hall Swing Space	0	239,700	6,649,700	1,572,000	0	0	0	0	0	0	8,461,400
City Historic Facilities CFMP	2,222,600	1,593,600	1,362,700	2,444,600	4,528,200	3,050,100	2,042,800	2,229,500	2,803,400	4,215,600	26,493,100
Courthouse CFMP	2,000,000	0	116,700	120,200	123,900	127,600	131,400	135,300	139,400	143,600	3,038,100
Courthouse/PSC Security System Upgrade	1,073,100	0	0	0	0	0	0	0	0	5,300,700	6,373,800
DCHS Consolidation and Co-Location	906,400	8,520,000	11,904,000	0	0	0	0	0	0	0	21,330,400
Emergency Power Systems	397,000	142,800	307,800	27,100	117,000	287,000	32,900	33,900	34,900	518,000	1,898,400
Energy Management Program	0	0	378,100	591,600	371,600	358,700	290,900	296,300	301,800	306,300	2,895,300
Fire & Rescue CFMP	662,900	162,100	340,800	1,044,500	1,262,500	1,452,500	372,500	904,000	1,296,000	3,915,100	11,412,900
Fire Station 207 (Duke Street)	0	0	0	5,051,800	3,927,100	12,857,300	0	0	0	0	21,836,200
Fire Station 208 Replacement	0	250,000	1,100,000	10,000,000	0	0	0	0	0	0	11,350,000
Fleet Building CFMP	519,000	634,000	526,400	744,000	569,500	1,612,200	886,400	609,600	1,098,300	1,016,900	8,216,300
General Services CFMP	839,961	1,218,700	1,516,500	1,525,300	975,000	1,559,100	1,450,100	1,074,700	1,109,900	1,146,200	12,415,461
Lee Center CFMP	0	96,800	114,900	117,500	158,000	505,600	125,600	148,500	131,300	464,700	1,862,900
Library CFMP	60,500	104,200	49,600	61,300	807,400	983,100	2,806,800	4,768,100	5,850,700	5,754,200	21,245,900
Market Square Plaza and Garage Structural Repairs	131,500	8,861,800	0	0	0	0	0	0	0	0	8,993,300
Mental Health Residential Facilities CFMP	823,600	845,100	670,600	721,400	632,300	758,800	682,600	752,700	779,400	804,800	7,471,300
New Burn Building	575,400	0	2,288,800	0	0	0	0	0	0	0	2,864,200
Office of the Sheriff CFMP	192,600	2,363,500	2,266,000	2,217,300	2,818,700	1,802,700	127,600	131,400	135,300	139,400	12,194,500
Roof Replacement Program	2,373,700	366,000	31,600	370,900	742,900	114,000	18,100	0	1,519,700	35,600	5,572,500
Witter/Wheeler Campus Funding Reservation	0	0	4,000,000	7,000,000	7,000,000	7,000,000	7,000,000	0	0	0	32,000,000

Note: Projects with a \$0 total funding are active capital projects funded in prior CIP's that do not require additional resources.

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
Transportation											
Bridge Repairs	1,445,000	1,844,700	1,758,900	1,800,600	2,178,500	2,369,300	2,583,200	3,433,600	4,159,400	3,314,000	24,887,200
Complete Streets	0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,250,000
DASH Bus Fleet Replacements	0	0	4,732,800	3,144,100	0	3,166,100	8,171,850	0	2,870,400	9,003,450	31,088,700
Fixed Transportation Equipment	850,000	875,500	2,493,400	956,300	985,000	1,043,500	1,074,800	1,107,000	1,140,300	1,207,100	11,732,900
Four Mile Run Bridge Program	6,000,000	7,000,000	7,000,000	0	0	0	0	0	0	0	20,000,000
Sidewalk Capital Maintenance	600,000	309,000	636,600	327,900	675,400	347,800	716,500	369,000	760,100	391,500	5,133,800
Street Reconstruction & Resurfacing of Major Roads	4,867,949	4,165,000	3,635,000	2,936,400	3,099,500	2,484,900	3,828,500	3,649,400	3,833,900	4,023,900	36,524,449
WMATA Capital Contributions	13,017,000	11,550,000	13,250,000	14,000,000	12,800,000	15,267,000	15,676,000	14,583,000	16,487,000	16,889,000	143,519,000
IT Plan											
Computer Aided Dispatch (CAD) System Replacement	0	0	0	0	5,840,100	0	0	0	0	0	5,840,100
<b>GO Bonds Total</b>	<b>246,087,876</b>	<b>204,742,300</b>	<b>166,351,600</b>	<b>117,734,800</b>	<b>96,937,300</b>	<b>80,595,200</b>	<b>115,118,350</b>	<b>62,189,800</b>	<b>109,252,200</b>	<b>85,232,450</b>	<b>1,284,241,876</b>
GO Bonds (Stormwater)											
Stormwater Management											
Four Mile Run Channel Maintenance	0	0	564,600	0	0	0	0	1,251,300	2,949,300	0	4,765,200
Green Infrastructure	0	0	0	89,900	0	0	0	0	0	0	89,900
MS4-TDML Compliance Water Quality Improvements	2,040,000	2,611,000	2,370,800	7,000,000	7,000,000	6,692,300	8,260,200	3,748,700	3,000,000	1,825,500	44,548,500
Storm Sewer Capacity Assessment	0	69,500	0	0	7,158,900	0	0	10,187,500	0	0	17,415,900
Storm Sewer System Spot Improvements	420,000	430,500	441,400	452,500	464,000	475,800	488,000	500,500	513,400	526,700	4,712,800
Stream & Channel Maintenance	450,000	459,000	468,200	477,600	487,100	496,900	506,800	517,000	527,300	537,800	4,927,700
<b>GO Bonds (Stormwater) Total</b>	<b>2,910,000</b>	<b>3,570,000</b>	<b>3,845,000</b>	<b>8,020,000</b>	<b>15,110,000</b>	<b>7,665,000</b>	<b>9,255,000</b>	<b>16,205,000</b>	<b>6,990,000</b>	<b>2,890,000</b>	<b>76,460,000</b>
Meals Tax Dedication for Affordable Housing											
Community Development											
Affordable Housing Funding	5,100,000	5,202,000	5,306,000	5,412,000	5,520,000	5,630,000	5,743,000	5,858,000	5,975,000	6,095,000	55,841,000
<b>Meals Tax Dedication for Affordable Housing Total</b>	<b>5,100,000</b>	<b>5,202,000</b>	<b>5,306,000</b>	<b>5,412,000</b>	<b>5,520,000</b>	<b>5,630,000</b>	<b>5,743,000</b>	<b>5,858,000</b>	<b>5,975,000</b>	<b>6,095,000</b>	<b>55,841,000</b>
NVTA 30% Funds											
Transportation											
DASH Bus Fleet Replacements	0	0	1,500,000	1,500,000	0	1,500,000	1,500,000	0	1,500,000	1,500,000	9,000,000
WMATA Capital Contributions	3,483,000	3,625,000	2,271,000	2,421,000	4,075,000	333,000	424,000	2,017,000	613,000	711,000	19,973,000
<b>NVTA 30% Funds Total</b>	<b>3,483,000</b>	<b>3,625,000</b>	<b>3,771,000</b>	<b>3,921,000</b>	<b>4,075,000</b>	<b>1,833,000</b>	<b>1,924,000</b>	<b>2,017,000</b>	<b>2,113,000</b>	<b>2,211,000</b>	<b>28,973,000</b>
NVTA 70% Funds											
Transportation											
Transit Corridor "C" - West End Transitway	0	2,200,000	0	0	0	0	0	0	0	0	2,200,000
<b>NVTA 70% Funds Total</b>	<b>0</b>	<b>2,200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,200,000</b>
Private Capital Contributions											
Recreation & Parks											
Community Matching Fund	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Transportation											
Seminary Road at Beauregard Street Ellipse	0	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	36,400,000
<b>Private Capital Contributions Total</b>	<b>100,000</b>	<b>100,000</b>	<b>3,600,000</b>	<b>16,300,000</b>	<b>16,800,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>37,400,000</b>
PY Special Tax District Revenue											
CIP Development & Implementation Staff											
Capital Project Implementation Non-Personnel Expenditures	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	21,500
Capital Project Implementation Personnel (25.00 FTE)	199,651	210,000	221,000	232,000	244,000	256,000	269,000	282,000	296,000	311,000	2,520,651
<b>PY Special Tax District Revenue Total</b>	<b>201,351</b>	<b>211,800</b>	<b>222,900</b>	<b>234,000</b>	<b>246,100</b>	<b>258,200</b>	<b>271,300</b>	<b>284,400</b>	<b>298,500</b>	<b>313,600</b>	<b>2,542,151</b>
Reprogrammed Capital Balances											
ACPS											
ACPS Capital Program	5,000,000	0	0	0	0	0	0	0	0	0	5,000,000
<b>Reprogrammed Capital Balances Total</b>	<b>5,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>
Sanitary Sewer Fund											
Community Development											
Environmental Restoration	52,290	55,000	58,000	61,000	65,000	69,000	73,000	77,000	81,000	86,000	677,290
Sanitary Sewers											
AlexRenew Wastewater Treatment Plant Capacity	0	0	0	2,251,100	0	0	0	0	0	0	2,251,100
Combined Sewer Assessment & Rehabilitation	2,805,000	3,900,000	3,900,000	0	0	0	0	0	0	0	10,605,000
Reconstructions & Extensions of Sanitary Sewers	0	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	8,100,000
Sanitary Sewer Asset Renewal Program	1,250,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	32,750,000
CIP Development & Implementation Staff											
Capital Project Implementation Personnel (25.00 FTE)	790,730	830,000	872,000	916,000	962,000	1,010,000	1,061,000	1,114,000	1,170,000	1,229,000	9,954,730
<b>Sanitary Sewer Fund Total</b>	<b>4,898,020</b>	<b>9,185,000</b>	<b>9,230,000</b>	<b>7,628,100</b>	<b>5,427,000</b>	<b>5,479,000</b>	<b>5,534,000</b>	<b>5,591,000</b>	<b>5,651,000</b>	<b>5,715,000</b>	<b>64,338,120</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIP's that do not require additional resources.

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>State/Federal Grants</b>											
<b>Public Buildings</b>											
City Historic Facilities CFMP	2,443,000	0	0	0	0	0	0	0	0	0	2,443,000
<b>Transportation</b>											
Access Improvements at Landmark	0	0	0	3,950,230	2,384,400	0	0	0	0	0	6,334,630
Backlick Run Multi-Use Paths	0	2,210,003	2,100,648	300,000	0	0	0	0	0	0	4,610,651
Citywide Parking - Parking Technologies	629,736	450,000	250,000	0	0	0	0	0	0	0	1,329,736
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	223,123	1,000,000	400,000	600,000	0	0	0	0	0	0	2,223,123
DASH Facility and Fleet Expansion	0	6,422,147	2,688,317	7,648,551	9,063,302	0	0	0	0	0	25,822,317
Duke Street and West Taylor Run Safety Improvements	0	0	0	3,905,460	0	0	0	0	0	0	3,905,460
Old Cameron Run Trail	0	0	1,646,273	1,122,727	2,045,000	0	0	0	0	0	4,814,000
Traffic Adaptive Signal Control	0	7,000,000	0	0	0	0	0	0	0	0	7,000,000
Transit Access & Amenities	823,123	500,000	400,000	0	0	0	0	0	0	0	1,723,123
Transit Corridor "B" - Duke Street	0	0	0	0	0	0	0	0	0	0	0
Transit Corridor "C" - West End Transitway	0	5,971,388	4,028,612	23,610,244	33,589,753	0	0	0	0	0	67,199,997
Alexandria Mobility Plan	0	0	0	0	0	0	0	0	0	0	0
<b>State/Federal Grants Total</b>	<b>4,118,982</b>	<b>23,553,538</b>	<b>11,513,850</b>	<b>41,137,212</b>	<b>47,082,455</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>127,406,037</b>
<b>State/Federal Grants (Unsecured)</b>											
<b>Recreation &amp; Parks</b>											
Holmes Run Trail Repairs	0	1,900,000	0	0	0	0	0	0	0	0	1,900,000
<b>Public Buildings</b>											
Alexandria Transit - DASH CFMP	0	650,000	0	0	0	0	0	0	0	0	650,000
<b>Transportation</b>											
DASH Bus Fleet Replacements	0	0	6,232,800	4,644,100	0	4,666,100	9,671,850	0	4,370,400	10,503,450	40,088,700
<b>State/Federal Grants (Unsecured) Total</b>	<b>0</b>	<b>2,550,000</b>	<b>6,232,800</b>	<b>4,644,100</b>	<b>0</b>	<b>4,666,100</b>	<b>9,671,850</b>	<b>0</b>	<b>4,370,400</b>	<b>10,503,450</b>	<b>42,638,700</b>
<b>Stormwater Utility Fund</b>											
<b>Community Development</b>											
Environmental Restoration	52,290	55,000	58,000	61,000	65,000	69,000	73,000	77,000	81,000	86,000	677,290
<b>Stormwater Management</b>											
Four Mile Run Channel Maintenance	0	0	372,000	0	0	0	0	0	1,227,700	0	1,599,700
Green Infrastructure	206,500	210,000	0	1,459,100	0	0	0	0	0	0	1,875,600
MS4-TDML Compliance Water Quality Improvements	960,000	889,000	1,129,200	0	0	307,700	739,800	1,251,300	0	1,174,500	6,451,500
NPDES / MS4 Permit	165,000	170,000	168,400	170,000	171,700	173,500	175,200	177,000	178,700	180,500	1,730,000
Storm Sewer Capacity Assessment	498,750	438,800	0	0	370,200	0	588,100	26,400	0	0	1,922,250
Stormwater BMP Maintenance CFMP	140,000	144,200	148,600	153,000	1,201,500	1,220,100	157,700	160,900	164,100	167,400	3,657,500
<b>CIP Development &amp; Implementation Staff</b>											
Capital Project Implementation Personnel (25.00 FTE)	602,200	632,000	664,000	697,000	732,000	769,000	807,000	847,000	889,000	933,000	7,572,200
<b>Stormwater Utility Fund Total</b>	<b>2,624,740</b>	<b>2,539,000</b>	<b>2,540,200</b>	<b>2,540,100</b>	<b>2,540,400</b>	<b>2,539,300</b>	<b>2,540,800</b>	<b>2,539,600</b>	<b>2,540,500</b>	<b>2,541,400</b>	<b>25,486,040</b>
<b>Tax Rate Increase; June Payment</b>											
<b>ACPS</b>											
ACPS Capital Program	12,770,256	0	0	0	0	0	0	0	0	0	12,770,256
<b>Tax Rate Increase; June Payment Total</b>	<b>12,770,256</b>	<b>0</b>	<b>12,770,256</b>								
<b>TIP</b>											
<b>Community Development</b>											
Environmental Restoration	53,880	57,000	60,000	63,000	67,000	71,000	75,000	79,000	83,000	88,000	696,880
<b>Transportation</b>											
Citywide Trans. Mgmt. Tech. - Transportation Technologies	250,000	0	265,300	0	281,500	0	298,500	309,500	316,800	326,300	2,047,900
Street Reconstruction & Resurfacing of Major Roads	0	0	700,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	7,700,000
WMATA Capital Contributions	1,100,000	250,000	500,000	0	0	0	0	0	0	0	1,850,000
<b>CIP Development &amp; Implementation Staff</b>											
Capital Project Implementation Personnel (25.00 FTE)	343,224	360,000	378,000	397,000	417,000	438,000	460,000	483,000	507,000	532,000	4,315,224
<b>TIP Total</b>	<b>1,747,104</b>	<b>667,000</b>	<b>1,903,300</b>	<b>1,460,000</b>	<b>1,765,500</b>	<b>1,509,000</b>	<b>1,833,500</b>	<b>1,871,500</b>	<b>1,906,800</b>	<b>1,946,300</b>	<b>16,610,004</b>
<b>Use of CIP Designated Fund Balance</b>											
<b>ACPS</b>											
ACPS Capital Program	10,000,000	3,000,000	2,500,000	0	0	0	0	0	0	0	15,500,000
<b>IT Plan</b>											
Information Technology Lump Sum Funding	0	0	0	2,500,000	1,000,000	0	0	0	0	0	3,500,000
<b>Use of CIP Designated Fund Balance Total</b>	<b>10,000,000</b>	<b>3,000,000</b>	<b>2,500,000</b>	<b>2,500,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,000,000</b>
<b>VDOT State Revenue Sharing</b>											
<b>Transportation</b>											
Street Reconstruction & Resurfacing of Major Roads	632,051	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	14,132,051
<b>VDOT State Revenue Sharing Total</b>	<b>632,051</b>	<b>1,500,000</b>	<b>14,132,051</b>								
<b>Grand Total</b>	<b>342,713,998</b>	<b>313,365,638</b>	<b>244,411,650</b>	<b>234,617,057</b>	<b>221,628,305</b>	<b>132,794,800</b>	<b>177,396,800</b>	<b>123,701,300</b>	<b>167,127,400</b>	<b>146,498,200</b>	<b>2,104,255,148</b>

**Table 4**  
**Proposed FY 2021 – FY 2030 Capital Improvement Program**  
**Debt Service Indicators**

<b>Table 4</b>				
<b>Debt Service Indicators</b>				
			General Government Expenditures	Assessed Value of Real Property (Thousands of Dollars) (1)
	Total Debt Service	Outstanding Debt		
FY 2003	\$17,739,094	\$143,615,000	\$488,044,085	\$19,225,926
FY 2004	\$18,938,838	\$197,520,000	\$516,275,303	\$22,757,185
FY 2005	\$22,938,317	\$241,890,000	\$545,688,442	\$27,359,650
FY 2006	\$27,101,086	\$296,540,000	\$623,774,871	\$32,906,719
FY 2007	\$31,232,166	\$278,525,000	\$689,280,260	\$35,554,958
FY 2008	\$30,775,390	\$260,350,000	\$688,844,141	\$35,102,817
FY 2009	\$32,412,775	\$383,950,000	\$720,924,777	\$33,964,198
FY 2010	\$34,844,533	\$364,485,000	\$705,338,251	\$31,649,490
FY 2011	\$38,735,420	\$415,720,000	\$722,966,982	\$32,631,952
FY 2012	\$43,438,079	\$459,060,000	\$735,769,542	\$33,782,698
FY 2013	\$48,571,714	\$508,700,000	\$763,516,075	\$34,725,071
FY 2014	\$57,029,259	\$539,780,000	\$820,080,010	\$35,895,604
FY 2015	\$61,515,268	\$540,495,000	\$817,311,890	\$37,146,860
FY 2016	\$63,548,772	\$500,826,453	\$808,809,675	\$38,195,319
FY 2017	\$65,046,321	\$557,233,000	\$860,542,894	\$38,987,294
FY 2018	\$66,457,089	\$680,021,000	\$919,273,102	\$39,897,987
FY 2019	\$70,500,549	\$674,957,000	\$1,063,437,379	\$40,977,242
FY 2020	\$69,398,019	\$678,831,000	\$1,032,386,517	\$42,679,237
FY 2021	\$69,438,413	\$750,382,000	\$1,278,994,845	\$43,831,576
FY 2022	\$73,056,479	\$1,065,127,026	\$1,277,734,910	\$45,015,029
FY 2023	\$105,703,084	\$1,277,632,438	\$1,267,712,001	\$46,230,435
FY 2024	\$126,575,154	\$1,357,148,026	\$1,257,716,418	\$47,478,656
FY 2025	\$136,894,897	\$1,390,685,847	\$1,275,420,647	\$48,760,580
FY 2026	\$141,718,667	\$1,403,462,624	\$1,218,200,912	\$50,077,116
FY 2027	\$145,561,935	\$1,443,890,520	\$1,295,365,096	\$51,429,198
FY 2028	\$155,175,603	\$1,429,577,898	\$1,275,208,644	\$52,817,786
FY 2029	\$159,753,252	\$1,448,801,637	\$1,353,179,965	\$54,243,866
FY 2030	\$163,489,419	\$1,436,644,216	\$1,368,132,342	\$55,708,451

(1) Presented on a calendar year basis. Future growth assumes a 2.7% increase annually.

Table 4 (Continued)  
Proposed FY 2021 – FY 2030 Capital Improvement Program  
Debt Service Indicators

<b>Table 4</b>		
<b>Debt Service Indicators</b>		
<b>Indicators Exclude Exempt Sanitary Sewer Debt &amp; Stormwater Management Debt (1)</b>		
<b>Fiscal Year</b>	<b>Ratio of Debt Service to General Government Expenditures (2)</b>	<b>Outstanding Debt as a Percentage of Assessed Value of Real Property (3)</b>
<b>Ceiling</b>	<b>12.00%</b>	<b>2.50%</b>
FY 2003	3.6%	0.8%
FY 2004	3.7%	0.9%
FY 2005	4.2%	0.9%
FY 2006	4.3%	0.9%
FY 2007	4.5%	0.8%
FY 2008	4.5%	0.7%
FY 2009	4.5%	1.1%
FY 2010	4.9%	1.2%
FY 2011	5.3%	1.3%
FY 2012	5.7%	1.4%
FY 2013	5.8%	1.5%
FY 2014	7.6%	1.5%
FY 2015	7.7%	1.4%
FY 2016	7.3%	1.3%
FY 2017	5.4%	1.4%
FY 2018	7.5%	1.5%
FY 2019	6.5%	1.6%
FY 2020	6.5%	1.6%
FY 2021	5.2%	1.1%
FY 2022	5.5%	1.8%
FY 2023	8.2%	2.2%
FY 2024	9.4%	2.3%
FY 2025	10.1%	2.3%
FY 2026	10.8%	2.2%
FY 2027	10.4%	2.2%
FY 2028	11.1%	2.1%
FY 2029	10.6%	2.1%
FY 2030	10.7%	2.0%

(1) Debt Service Indicators exempt Sanitary Sewer and Stormwater enterprise fund debt for FY 2018 and beyond. Prior to FY 2018, only Sanitary Sewer debt was exempt, but now Storm Sewers will be funded by an enterprise fund fee-based system.

(2) General Government expenditures beyond for FY 2020 and beyond are based budgeted long range forecast.

## Table 5: General Obligation Bond Repayment Schedules

Table 5, below, summarizes the annual debt service for all currently outstanding general obligation bond issues of the City of Alexandria. Tables 6 through 26, on the following pages, show the date of issue, the years remaining on the payment schedule, and the amount of principal and interest due each year for the individual bond issues. (Debt service does not include \$256,070 for Commonwealth Transportation Board in the operating budget.) The debt service on these tables includes all general obligation bonded debt including that financed by sanitary sewer fees, open space dedicated real estate tax revenues, and affordable housing dedicated real estate tax revenues.

<b>Table 5. City of Alexandria, VA</b>			
<b>Summary of Debt Service</b>			
<b>Debt Outstanding at June 30, 2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$47,529,000	\$21,653,343	\$69,182,343
FY 2022	\$45,546,000	\$19,403,930	\$64,949,930
FY 2023	\$46,329,000	\$17,293,912	\$63,622,912
FY 2024	\$43,242,000	\$20,917,214	\$64,159,214
FY 2025	\$43,169,000	\$19,080,029	\$62,249,029
FY 2026	\$41,156,000	\$17,304,956	\$58,460,956
FY 2027	\$38,057,000	\$15,645,849	\$53,702,849
FY 2028	\$40,384,000	\$13,927,787	\$54,311,787
FY 2029	\$40,559,000	\$12,252,869	\$52,811,869
FY 2030	\$37,792,000	\$10,795,927	\$48,587,927
FY 2031	\$33,459,000	\$9,563,424	\$43,022,424
FY 2032	\$29,599,000	\$8,473,856	\$38,072,856
FY 2033	\$26,220,000	\$7,536,443	\$33,756,443
FY 2034	\$19,515,000	\$6,693,305	\$26,208,305
FY 2035	\$20,945,000	\$6,083,051	\$27,028,051
FY 2036	\$20,025,000	\$5,452,524	\$25,477,524
FY 2037	\$19,905,000	\$4,865,260	\$24,770,260
FY 2038	\$16,705,000	\$4,328,020	\$21,033,020
FY 2039	\$11,760,000	\$3,886,346	\$15,646,346
FY 2040	\$9,855,000	\$3,576,309	\$13,431,309
FY 2041	\$10,090,000	\$3,314,531	\$13,404,531
FY 2042	\$9,235,000	\$3,043,575	\$12,278,575
FY 2043	\$9,515,000	\$2,762,325	\$12,277,325
FY 2044	\$9,805,000	\$2,472,525	\$12,277,525
FY 2045	\$10,100,000	\$2,173,950	\$12,273,950
FY 2046	\$10,410,000	\$1,866,300	\$12,276,300
FY 2047	\$10,725,000	\$1,549,275	\$12,274,275
FY 2048	\$11,055,000	\$1,222,575	\$12,277,575
FY 2049	\$11,390,000	\$885,900	\$12,275,900
FY 2050	\$11,740,000	\$538,950	\$12,278,950
FY 2051	\$12,095,000	\$181,425	\$12,276,425
<b>TOTAL</b>	<b>\$747,911,000</b>	<b>\$248,745,686</b>	<b>\$996,656,686</b>

\* Does not include NVTB Debt Service of \$256,070 annually through FY 2021.

\*\* Of the FY 2021 debt service, \$28.6 million is debt service for Alexandria City Public Schools related general obligation bonds issued by the City.

<b>Table 6. City of Alexandria, VA</b>			
<b>General Obligation Bond Issue of \$182.340 million (December 2019)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$0	\$0	\$0
FY 2022	\$0	\$0	\$0
FY 2023	\$0	\$0	\$0
FY 2024	\$0	\$5,704,925	\$5,704,925
FY 2025	\$0	\$5,704,925	\$5,704,925
FY 2026	\$0	\$5,704,925	\$5,704,925
FY 2027	\$0	\$5,704,925	\$5,704,925
FY 2028	\$2,330,000	\$5,646,675	\$7,976,675
FY 2029	\$2,610,000	\$5,523,175	\$8,133,175
FY 2030	\$2,890,000	\$5,385,675	\$8,275,675
FY 2031	\$3,165,000	\$5,234,300	\$8,399,300
FY 2032	\$3,460,000	\$5,068,675	\$8,528,675
FY 2033	\$3,775,000	\$4,887,800	\$8,662,800
FY 2034	\$4,090,000	\$4,711,625	\$8,801,625
FY 2035	\$5,535,000	\$4,571,016	\$10,106,016
FY 2036	\$6,495,000	\$4,414,781	\$10,909,781
FY 2037	\$7,455,000	\$4,233,488	\$11,688,488
FY 2038	\$8,250,000	\$4,025,869	\$12,275,869
FY 2039	\$8,500,000	\$3,774,619	\$12,274,619
FY 2040	\$8,740,000	\$3,532,406	\$12,272,406
FY 2041	\$8,975,000	\$3,299,897	\$12,274,897
FY 2042	\$9,235,000	\$3,043,575	\$12,278,575
FY 2043	\$9,515,000	\$2,762,325	\$12,277,325
FY 2044	\$9,805,000	\$2,472,525	\$12,277,525
FY 2045	\$10,100,000	\$2,173,950	\$12,273,950
FY 2046	\$10,410,000	\$1,866,300	\$12,276,300
FY 2047	\$10,725,000	\$1,549,275	\$12,274,275
FY 2048	\$11,055,000	\$1,222,575	\$12,277,575
FY 2049	\$11,390,000	\$885,900	\$12,275,900
FY 2050	\$11,740,000	\$538,950	\$12,278,950
FY 2051	\$12,095,000	\$181,425	\$12,276,425
<b>TOTAL</b>	<b>\$182,340,000</b>	<b>\$103,826,500</b>	<b>\$286,166,500</b>

<b>Table 7. City of Alexandria, VA</b>			
<b>General Obligation Bond Issue of \$21.740 million (December 2019)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$0	\$960,264	\$960,264
FY 2022	\$500,000	\$880,769	\$1,380,769
FY 2023	\$1,120,000	\$840,269	\$1,960,269
FY 2024	\$1,120,000	\$784,269	\$1,904,269
FY 2025	\$1,120,000	\$728,269	\$1,848,269
FY 2026	\$1,120,000	\$672,269	\$1,792,269
FY 2027	\$1,120,000	\$616,269	\$1,736,269
FY 2028	\$1,120,000	\$560,269	\$1,680,269
FY 2029	\$1,120,000	\$504,269	\$1,624,269
FY 2030	\$1,120,000	\$448,269	\$1,568,269
FY 2031	\$1,120,000	\$392,269	\$1,512,269
FY 2032	\$1,120,000	\$336,269	\$1,456,269
FY 2033	\$1,120,000	\$280,269	\$1,400,269
FY 2034	\$1,115,000	\$229,969	\$1,344,969
FY 2035	\$1,115,000	\$195,822	\$1,310,822
FY 2036	\$1,115,000	\$167,250	\$1,282,250
FY 2037	\$1,115,000	\$137,981	\$1,252,981
FY 2038	\$1,115,000	\$108,713	\$1,223,713
FY 2039	\$1,115,000	\$75,263	\$1,190,263
FY 2040	\$1,115,000	\$43,903	\$1,158,903
FY 2041	\$1,115,000	\$14,634	\$1,129,634
<b>TOTAL</b>	<b>\$21,740,000</b>	<b>\$8,977,523</b>	<b>\$30,717,523</b>

<b>Table 8. City of Alexandria, VA</b>			
<b>General Obligation Refunding Bonds of \$40.925 million (July 2018)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$1,500,000	\$1,620,150	\$3,120,150
FY 2022	\$2,150,000	\$1,528,900	\$3,678,900
FY 2023	\$2,150,000	\$1,421,400	\$3,571,400
FY 2024	\$2,150,000	\$1,313,900	\$3,463,900
FY 2025	\$2,150,000	\$1,206,400	\$3,356,400
FY 2026	\$2,150,000	\$1,098,900	\$3,248,900
FY 2027	\$2,150,000	\$991,400	\$3,141,400
FY 2028	\$2,150,000	\$883,900	\$3,033,900
FY 2029	\$2,150,000	\$776,400	\$2,926,400
FY 2030	\$2,150,000	\$668,900	\$2,818,900
FY 2031	\$2,150,000	\$583,975	\$2,733,975
FY 2032	\$2,150,000	\$520,550	\$2,670,550
FY 2033	\$2,150,000	\$454,975	\$2,604,975
FY 2034	\$2,150,000	\$387,788	\$2,537,788
FY 2035	\$2,145,000	\$319,605	\$2,464,605
FY 2036	\$2,145,000	\$250,429	\$2,395,429
FY 2037	\$2,145,000	\$180,180	\$2,325,180
FY 2038	\$2,145,000	\$108,859	\$2,253,859
FY 2039	\$2,145,000	\$36,465	\$2,181,465
<b>TOTAL</b>	<b>\$40,175,000</b>	<b>\$14,353,075</b>	<b>\$54,528,075</b>

<b>Table 9. City of Alexandria, VA</b>			
<b>General Obligation Refunding Bonds of \$34.905 million (December 2017)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$0	\$872,625	\$872,625
FY 2022	\$2,950,000	\$1,671,500	\$4,621,500
FY 2023	\$2,995,000	\$1,522,875	\$4,517,875
FY 2024	\$3,035,000	\$1,372,125	\$4,407,125
FY 2025	\$3,075,000	\$1,219,375	\$4,294,375
FY 2026	\$3,110,000	\$1,064,750	\$4,174,750
FY 2027	\$3,850,000	\$890,750	\$4,740,750
FY 2028	\$3,900,000	\$697,000	\$4,597,000
FY 2029	\$3,945,000	\$500,875	\$4,445,875
FY 2030	\$3,995,000	\$302,375	\$4,297,375
FY 2031	\$4,050,000	\$101,250	\$4,151,250
<b>TOTAL</b>	<b>\$34,905,000</b>	<b>\$10,215,500</b>	<b>\$45,120,500</b>

<b>Table 10. City of Alexandria, VA</b>			
<b>General Obligation Refunding Bonds of \$39.090 million (September 2017)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$3,585,000	\$1,773,975	\$5,358,975
FY 2022	\$2,130,000	\$1,631,100	\$3,761,100
FY 2023	\$3,595,000	\$1,487,975	\$5,082,975
FY 2024	\$3,635,000	\$1,307,225	\$4,942,225
FY 2025	\$3,670,000	\$1,124,600	\$4,794,600
FY 2026	\$4,415,000	\$922,475	\$5,337,475
FY 2027	\$4,460,000	\$700,600	\$5,160,600
FY 2028	\$4,505,000	\$476,475	\$4,981,475
FY 2029	\$4,550,000	\$250,100	\$4,800,100
FY 2030	\$4,545,000	\$68,175	\$4,613,175
<b>TOTAL</b>	<b>\$39,090,000</b>	<b>\$9,742,700</b>	<b>\$48,832,700</b>

<b>Table 11. City of Alexandria, VA</b>			
<b>General Obligation Refunding Bonds of \$63.060 million (September 2017)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$2,630,000	\$2,802,200	\$5,432,200
FY 2022	\$1,000,000	\$2,725,200	\$3,725,200
FY 2023	\$7,390,000	\$2,544,200	\$9,934,200
FY 2024	\$6,960,000	\$2,205,450	\$9,165,450
FY 2025	\$6,975,000	\$1,857,075	\$8,832,075
FY 2026	\$7,035,000	\$1,506,825	\$8,541,825
FY 2027	\$7,095,000	\$1,153,575	\$8,248,575
FY 2028	\$7,160,000	\$797,200	\$7,957,200
FY 2029	\$3,145,000	\$539,575	\$3,684,575
FY 2030	\$3,125,000	\$414,075	\$3,539,075
FY 2031	\$3,085,000	\$305,500	\$3,390,500
FY 2032	\$3,060,000	\$182,600	\$3,242,600
FY 2033	\$3,035,000	\$60,700	\$3,095,700
<b>TOTAL</b>	<b>\$61,695,000</b>	<b>\$17,094,175</b>	<b>\$78,789,175</b>

<b>Table 12. City of Alexandria, VA</b>			
<b>General Obligation Bond Issue of \$4.380 million (August 2017)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$220,000	\$117,965	\$337,965
FY 2022	\$220,000	\$111,915	\$331,915
FY 2023	\$220,000	\$105,590	\$325,590
FY 2024	\$220,000	\$98,990	\$318,990
FY 2025	\$220,000	\$92,390	\$312,390
FY 2026	\$220,000	\$86,175	\$306,175
FY 2027	\$220,000	\$80,235	\$300,235
FY 2028	\$220,000	\$74,075	\$294,075
FY 2029	\$220,000	\$67,640	\$287,640
FY 2030	\$220,000	\$60,930	\$280,930
FY 2031	\$220,000	\$54,000	\$274,000
FY 2032	\$220,000	\$46,905	\$266,905
FY 2033	\$220,000	\$39,700	\$259,700
FY 2034	\$220,000	\$32,440	\$252,440
FY 2035	\$215,000	\$25,263	\$240,263
FY 2036	\$215,000	\$18,114	\$233,114
FY 2037	\$215,000	\$10,911	\$225,911
FY 2038	\$215,000	\$3,655	\$218,655
<b>TOTAL</b>	<b>\$3,940,000</b>	<b>\$1,126,893</b>	<b>\$5,066,893</b>

<b>Table 13. City of Alexandria, VA</b>			
<b>General Obligation Bond Issue of \$94.670 million (August 2017)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$4,985,000	\$3,549,625	\$8,534,625
FY 2022	\$4,985,000	\$3,300,375	\$8,285,375
FY 2023	\$4,985,000	\$3,051,125	\$8,036,125
FY 2024	\$4,985,000	\$2,801,875	\$7,786,875
FY 2025	\$4,985,000	\$2,552,625	\$7,537,625
FY 2026	\$4,985,000	\$2,303,375	\$7,288,375
FY 2027	\$4,980,000	\$2,054,250	\$7,034,250
FY 2028	\$4,980,000	\$1,805,250	\$6,785,250
FY 2029	\$4,980,000	\$1,556,250	\$6,536,250
FY 2030	\$4,980,000	\$1,381,950	\$6,361,950
FY 2031	\$4,980,000	\$1,207,650	\$6,187,650
FY 2032	\$4,980,000	\$1,008,450	\$5,988,450
FY 2033	\$4,980,000	\$859,050	\$5,839,050
FY 2034	\$4,980,000	\$709,650	\$5,689,650
FY 2035	\$4,980,000	\$560,250	\$5,540,250
FY 2036	\$4,980,000	\$404,625	\$5,384,625
FY 2037	\$4,980,000	\$242,775	\$5,222,775
FY 2038	\$4,980,000	\$80,925	\$5,060,925
<b>TOTAL</b>	<b>\$89,670,000</b>	<b>\$29,430,075</b>	<b>\$119,100,075</b>

<b>Table 14. City of Alexandria, VA</b>			
<b>General Obligation Refunding Bond Issue of \$34.168 million (Nov. 2016)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$389,000	\$627,464	\$1,016,464
FY 2022	\$396,000	\$619,967	\$1,015,967
FY 2023	\$404,000	\$612,327	\$1,016,327
FY 2024	\$412,000	\$604,534	\$1,016,534
FY 2025	\$4,154,000	\$560,929	\$4,714,929
FY 2026	\$4,111,000	\$481,998	\$4,592,998
FY 2027	\$4,052,000	\$404,041	\$4,456,041
FY 2028	\$3,979,000	\$327,345	\$4,306,345
FY 2029	\$3,904,000	\$252,063	\$4,156,063
FY 2030	\$3,827,000	\$178,232	\$4,005,232
FY 2031	\$3,749,000	\$105,881	\$3,854,881
FY 2032	\$3,669,000	\$35,039	\$3,704,039
<b>TOTAL</b>	<b>\$33,046,000</b>	<b>\$4,809,819</b>	<b>\$37,855,819</b>

<b>Table 15. City of Alexandria, VA</b>			
<b>General Obligation Issue of \$73.735 million (July 2016)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$3,515,000	\$2,522,231	\$6,037,231
FY 2022	\$3,995,000	\$2,352,056	\$6,347,056
FY 2023	\$3,995,000	\$2,152,306	\$6,147,306
FY 2024	\$3,995,000	\$1,952,556	\$5,947,556
FY 2025	\$3,995,000	\$1,752,806	\$5,747,806
FY 2026	\$3,995,000	\$1,553,056	\$5,548,056
FY 2027	\$3,995,000	\$1,353,306	\$5,348,306
FY 2028	\$3,995,000	\$1,153,556	\$5,148,556
FY 2029	\$3,995,000	\$953,806	\$4,948,806
FY 2030	\$3,995,000	\$813,981	\$4,808,981
FY 2031	\$3,995,000	\$731,584	\$4,726,584
FY 2032	\$3,995,000	\$636,703	\$4,631,703
FY 2033	\$3,995,000	\$529,338	\$4,524,338
FY 2034	\$3,995,000	\$416,978	\$4,411,978
FY 2035	\$3,995,000	\$299,625	\$4,294,625
FY 2036	\$3,995,000	\$179,775	\$4,174,775
FY 2037	\$3,995,000	\$59,925	\$4,054,925
<b>TOTAL</b>	<b>\$67,435,000</b>	<b>\$19,413,591</b>	<b>\$86,848,591</b>

<b>Table 16. City of Alexandria, VA</b>			
<b>General Obligation Refunding Bond Issue of \$10.595 million (July 2015)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$1,100,000	\$164,990	\$1,264,990
FY 2022	\$1,065,000	\$142,293	\$1,207,293
FY 2023	\$1,040,000	\$114,445	\$1,154,445
FY 2024	\$1,010,000	\$84,958	\$1,094,958
FY 2025	\$980,000	\$57,105	\$1,037,105
FY 2026	\$950,000	\$28,890	\$978,890
FY 2027	\$155,000	\$12,199	\$167,199
FY 2028	\$145,000	\$7,329	\$152,329
FY 2029	\$140,000	\$2,450	\$142,450
<b>TOTAL</b>	<b>\$6,585,000</b>	<b>\$614,658</b>	<b>\$7,199,658</b>

<b>Table 17. City of Alexandria, VA</b>			
<b>General Obligation Bond Issue of \$23.215 million (July 2015)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$1,165,000	\$722,450	\$1,887,450
FY 2022	\$1,165,000	\$664,200	\$1,829,200
FY 2023	\$1,165,000	\$605,950	\$1,770,950
FY 2024	\$1,165,000	\$547,700	\$1,712,700
FY 2025	\$1,165,000	\$489,450	\$1,654,450
FY 2026	\$1,165,000	\$431,200	\$1,596,200
FY 2027	\$1,165,000	\$372,950	\$1,537,950
FY 2028	\$1,165,000	\$314,700	\$1,479,700
FY 2029	\$1,165,000	\$268,100	\$1,433,100
FY 2030	\$1,165,000	\$233,150	\$1,398,150
FY 2031	\$1,165,000	\$198,200	\$1,363,200
FY 2032	\$1,165,000	\$163,250	\$1,328,250
FY 2033	\$1,165,000	\$127,572	\$1,292,572
FY 2034	\$1,165,000	\$91,166	\$1,256,166
FY 2035	\$1,165,000	\$54,031	\$1,219,031
FY 2036	\$1,080,000	\$17,550	\$1,097,550
<b>TOTAL</b>	<b>\$18,555,000</b>	<b>\$5,301,619</b>	<b>\$23,856,619</b>

<b>Table 18. City of Alexandria, VA</b>			
<b>General Obligation Refunding Bond Issue of \$33.995 million (April 2015)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$415,000	\$588,458	\$1,003,458
FY 2022	\$3,490,000	\$552,141	\$4,042,141
FY 2023	\$3,430,000	\$487,785	\$3,917,785
FY 2024	\$3,365,000	\$424,592	\$3,789,592
FY 2025	\$6,240,000	\$335,265	\$6,575,265
FY 2026	\$6,100,000	\$220,503	\$6,320,503
FY 2027	\$3,015,000	\$135,734	\$3,150,734
FY 2028	\$2,935,000	\$80,398	\$3,015,398
FY 2029	\$2,855,000	\$26,551	\$2,881,551
<b>TOTAL</b>	<b>\$31,845,000</b>	<b>\$2,851,427</b>	<b>\$34,696,427</b>

<b>Table 19. City of Alexandria, VA</b>			
<b>General Obligation Bond Issue of \$35.995 million (Nov. 2014)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$1,800,000	\$1,031,690	\$2,831,690
FY 2022	\$1,800,000	\$977,690	\$2,777,690
FY 2023	\$1,800,000	\$887,690	\$2,687,690
FY 2024	\$1,800,000	\$797,690	\$2,597,690
FY 2025	\$1,800,000	\$707,690	\$2,507,690
FY 2026	\$1,800,000	\$617,690	\$2,417,690
FY 2027	\$1,800,000	\$563,690	\$2,363,690
FY 2028	\$1,800,000	\$491,690	\$2,291,690
FY 2029	\$1,800,000	\$419,690	\$2,219,690
FY 2030	\$1,800,000	\$347,690	\$2,147,690
FY 2031	\$1,800,000	\$275,690	\$2,075,690
FY 2032	\$1,800,000	\$221,690	\$2,021,690
FY 2033	\$1,800,000	\$167,690	\$1,967,690
FY 2034	\$1,800,000	\$113,690	\$1,913,690
FY 2035	\$1,795,000	\$57,440	\$1,852,440
<b>TOTAL</b>	<b>\$26,995,000</b>	<b>\$7,679,100</b>	<b>\$34,674,100</b>

<b>Table 20. City of Alexandria, VA</b>			
<b>General Obligation Bond Issue of \$63.800 million (July 2013)*</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$3,305,000	\$495,750	\$3,800,750
FY 2022	\$3,305,000	\$330,500	\$3,635,500
FY 2023	\$3,305,000	\$165,250	\$3,470,250
<b>TOTAL</b>	<b>\$9,915,000</b>	<b>\$991,500</b>	<b>\$10,906,500</b>

\*FY 2024 - FY 2033 refinanced as part of the 2017C series.

<b>Table 21. City of Alexandria, VA</b>			
<b>General Obligation Refunding Bond Issue of \$17.335 million (July 2012)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$0	\$330,600	\$330,600
FY 2022	\$0	\$330,600	\$330,600
FY 2023	\$2,750,000	\$330,600	\$3,080,600
FY 2024	\$5,630,000	\$248,100	\$5,878,100
FY 2025	\$2,640,000	\$79,200	\$2,719,200
<b>TOTAL</b>	<b>\$11,020,000</b>	<b>\$1,319,100</b>	<b>\$12,339,100</b>

<b>Table 22. City of Alexandria, VA</b>			
<b>General Obligation Bond Issue of \$76.820 million (July 2012)*</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$4,000,000	\$1,011,925	\$5,011,925
FY 2022	\$4,000,000	\$811,925	\$4,811,925
FY 2023	\$0	\$611,925	\$611,925
FY 2024	\$0	\$611,925	\$611,925
FY 2025	\$0	\$611,925	\$611,925
FY 2026	\$0	\$611,925	\$611,925
FY 2027	\$0	\$611,925	\$611,925
FY 2028	\$0	\$611,925	\$611,925
FY 2029	\$3,980,000	\$611,925	\$4,591,925
FY 2030	\$3,980,000	\$492,525	\$4,472,525
FY 2031	\$3,980,000	\$373,125	\$4,353,125
FY 2032	\$3,980,000	\$253,725	\$4,233,725
FY 2033	\$3,980,000	\$129,350	\$4,109,350
<b>TOTAL</b>	<b>\$27,900,000</b>	<b>\$7,356,050</b>	<b>\$35,256,050</b>

\*FY 2023 - FY 2028 refinanced as part of the 2017C series.

<b>Table 23. City of Alexandria, VA</b>			
<b>General Obligation Refunding Bond Issue of \$63.625 million (April 2012)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$8,625,000	\$972,925	\$9,597,925
FY 2022	\$8,635,000	\$584,800	\$9,219,800
FY 2023	\$5,985,000	\$239,400	\$6,224,400
<b>TOTAL</b>	<b>\$23,245,000</b>	<b>\$1,797,125</b>	<b>\$25,042,125</b>

<b>Table 24. City of Alexandria, VA</b>			
<b>General Obligation Bond Issue of \$39.870 million* (July 2011)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$3,765,000	\$305,556	\$4,070,556
FY 2022	\$3,760,000	\$188,000	\$3,948,000
FY 2023	\$0	\$112,800	\$112,800
FY 2024	\$3,760,000	\$56,400	\$3,816,400
<b>TOTAL</b>	<b>\$11,285,000</b>	<b>\$662,756</b>	<b>\$11,947,756</b>

\*FY 2025 - FY 2032 of this issuance refinanced as part of the 2016B Series.  
FY 2023 refinanced through the 2017C Series.

<b>Table 25. City of Alexandria, VA</b>			
<b>Build America Bond Issue of \$55.300 million-B (July 2010)*</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$3,700,000	\$1,041,000	\$4,741,000
<b>TOTAL</b>	<b>\$3,700,000</b>	<b>\$1,041,000</b>	<b>\$4,741,000</b>

\*\$40.5 million of this issuance refinanced as part of the 2017D Series.

<b>Table 26. City of Alexandria, VA</b>			
<b>General Obligation Bond Issue of \$22.800 million - A (May 2007)</b>			
<b>Debt Outstanding at June 30,2020</b>			
<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
FY 2021	\$2,830,000	\$141,500	\$2,971,500
<b>TOTAL</b>	<b>\$2,830,000</b>	<b>\$141,500</b>	<b>\$2,971,500</b>

# STRATEGIC PLAN

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## Alexandria's Strategic Planning Process

Projects within the Capital Improvement Plan (CIP) align with the current City Strategic Plan and structure. An explanation about how these documents guide the CIP process is provided below.

Each CIP project is cross-referenced to the City's strategic structure. This is indicated on the individual project pages, under the heading "Primary Strategic Theme". Projects are linked to the most relevant Strategic Plan Theme. The sections below provide more information on the City's strategic structure, and provide a summary of how all CIP projects align with both plans.

## City of Alexandria Strategic Plan

The City of Alexandria's first Strategic Plan took effect in 2004, and the community principles it included still resonate today. This plan was updated in 2006 and again in 2010 to reflect changes and "new realities" in the community. The FY 2017 – FY 2022 Strategic Plan adopted by City Council in January, 2017 builds upon past strategic plans while updating it for the future. This was accomplished through a collaborative effort whereby the community was engaged through meetings and online forums guided by the City's engagement approach What's Next Alexandria. The result of this effort is a vision, measurable key indicators, and alignment with adopted plans and policies.

The strategic themes of the City's Strategic Plan, that are associated with capital projects throughout the document are included below:

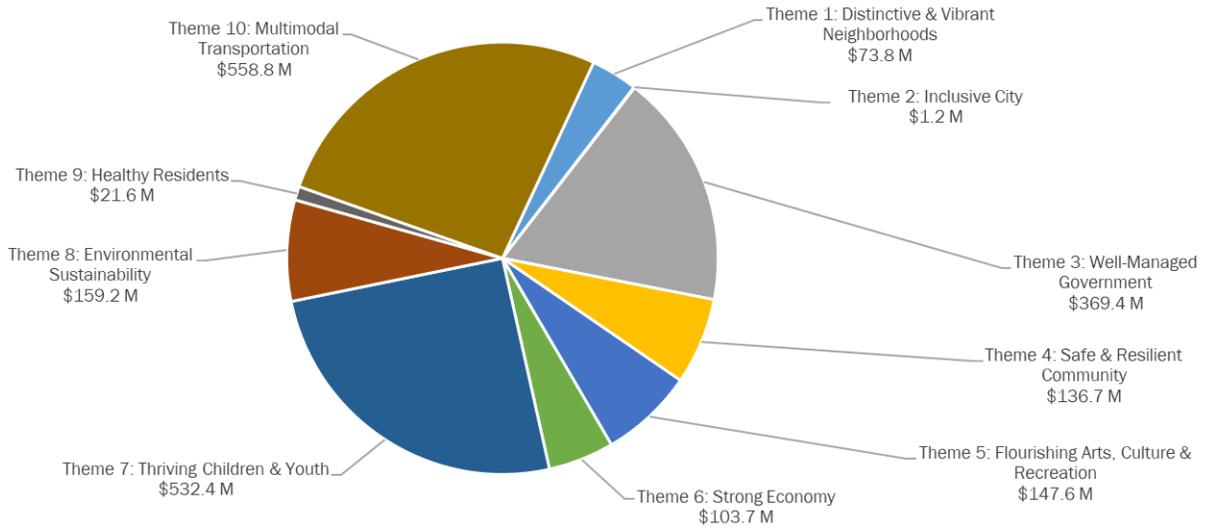
### City's Strategic Themes:

- Theme 1: Distinctive & Vibrant Neighborhoods
- Theme 2: Inclusive City
- Theme 3: Well-Managed Government
- Theme 4: Safe & Resilient Community
- Theme 5: Flourishing Arts, Culture & Recreation
- Theme 6: Strong Economy
- Theme 7: Thriving Children & Youth
- Theme 8: Environmental Sustainability
- Theme 9: Healthy Residents
- Theme 10: Multimodal Transportation

### Proposed FY 2021 – FY 2030 Capital Improvement Program by Primary Strategic Theme

The pie chart shows the distribution of capital projects by Primary Strategic Theme over the ten-year plan. The Proposed FY 2021 – FY 2030 CIP totals \$2.10 billion.

**Proposed FY 2021 - 2030 CIP by Primary Strategic Theme**  
\$2.10 billion



All Alexandria City Public Schools (ACPS) projects are grouped in Strategic Theme 7: Thriving Children & Youth.

**Table 1**  
**Proposed FY 2021 – FY 2030 Capital Improvement Program**  
**Capital Improvement Program Projects by Primary Strategic Theme**

<b>Strategic Theme</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>TOTAL</b> <b>FY 2021 - 2030</b>
Theme 1: Distinctive & Vibrant Neighborhoods	10,317,212	6,544,400	6,866,200	6,980,200	6,983,900	7,098,900	7,224,500	7,153,000	7,270,000	7,390,000	73,828,312
Theme 2: Inclusive City	100,000	103,000	106,300	109,400	112,700	116,000	131,500	135,300	139,600	143,600	1,197,400
Theme 3: Well-Managed Government	31,584,680	36,077,800	81,993,000	36,446,900	32,980,400	33,765,300	33,041,600	28,190,700	31,557,000	33,662,900	379,300,280
Theme 4: Safe & Resilient Community	13,069,044	17,160,700	14,371,000	22,687,600	18,067,200	17,771,900	4,467,500	6,955,800	8,829,800	13,328,800	136,709,344
Theme 5: Flourishing Arts, Culture & Recreation	7,495,199	10,926,600	26,474,300	15,455,300	7,978,900	7,152,700	27,899,300	8,001,700	11,180,200	15,083,400	137,647,599
Theme 6: Strong Economy	30,800,000	71,600,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	100,000	103,700,000
Theme 7: Thriving Children & Youth	199,393,300	84,652,400	23,796,800	41,592,400	37,908,200	16,529,200	39,644,600	20,026,800	53,861,500	14,962,400	532,367,600
Theme 8: Environmental Sustainability	10,244,710	16,928,800	14,737,300	17,213,200	22,167,700	14,585,200	16,330,800	23,142,400	14,015,100	9,803,300	159,168,510
Theme 9: Healthy Residents	931,400	8,545,000	11,929,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	21,580,400
Theme 10: Multimodal Transportation	38,778,453	60,826,938	64,037,750	94,007,057	95,304,305	35,650,600	48,282,000	29,720,600	40,149,200	51,998,800	558,755,703
<b>Grand Total</b>	<b>342,713,998</b>	<b>313,365,638</b>	<b>244,411,650</b>	<b>234,617,057</b>	<b>221,628,305</b>	<b>132,794,800</b>	<b>177,396,800</b>	<b>123,701,300</b>	<b>167,127,400</b>	<b>146,498,200</b>	<b>2,104,255,148</b>

## Table 2 Proposed FY 2021 – FY 2030 Capital Improvement Program Summary of Projects by Primary Strategic Theme

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>Theme 1: Distinctive &amp; Vibrant Neighborhoods</b>												
Community Development												
Affordable Housing Funding	10,596,200	9,600,000	6,202,000	6,306,000	6,412,000	6,520,000	6,630,000	6,743,000	6,858,000	6,975,000	7,095,000	69,341,000
Braddock Road Area Plan - Streetscape Improvements	722,564	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	450,000
Development Studies	1,625,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
EW & LVD Implementation - Developer Contributions Analysis	100,000	0	0	0	0	0	0	0	0	0	0	0
EW & LVD Implementation - Infrastructure Plan	500,000	0	0	0	0	0	0	0	0	0	0	0
Office of Historic Alexandria Initiatives	400,483	422,212	47,400	265,200	273,200	168,900	173,900	186,500	0	0	0	1,537,312
<b>Theme 1: Distinctive &amp; Vibrant Neighborhoods Total</b>	<b>13,944,247</b>	<b>10,317,212</b>	<b>6,544,400</b>	<b>6,866,200</b>	<b>6,980,200</b>	<b>6,983,900</b>	<b>7,098,900</b>	<b>7,224,500</b>	<b>7,153,000</b>	<b>7,270,000</b>	<b>7,390,000</b>	<b>73,828,312</b>
<b>Theme 2: Inclusive City</b>												
Recreation & Parks												
Americans with Disabilities Act (ADA) Requirements	1,523,813	100,000	103,000	106,300	109,400	112,700	116,000	131,500	135,300	139,600	143,600	1,197,400
<b>Theme 2: Inclusive City Total</b>	<b>1,523,813</b>	<b>100,000</b>	<b>103,000</b>	<b>106,300</b>	<b>109,400</b>	<b>112,700</b>	<b>116,000</b>	<b>131,500</b>	<b>135,300</b>	<b>139,600</b>	<b>143,600</b>	<b>1,197,400</b>
<b>Theme 3: Well-Managed Government</b>												
Reservation of Bond Capacity/Cash Capital for City/School Facilities												
City & School Land Acquisition and DCHS Colocation Investment	38,785,000	0	0	0	0	0	0	0	0	0	0	0
Recreation & Parks												
Park Maintenance Facilities	30,000	0	0	0	0	0	0	0	0	0	0	0
Public Buildings												
2355 Mill Road CFMP	2,301,581	240,000	245,500	251,100	298,500	827,200	268,500	274,600	301,700	287,000	861,300	3,855,400
Capital Planning & Building Assessment (Condition Assessment)	1,386,000	0	100,000	0	100,000	0	150,000	0	150,000	0	150,000	650,000
City Hall Renovation and HVAC Replacement	7,850,000	1,500,000	4,200,000	5,140,000	4,400,000	0	0	0	0	0	0	61,500,000
City Hall Swing Space	0	0	239,700	6,649,700	1,572,000	0	0	0	0	0	0	8,461,400
City Historic Facilities CFMP	9,346,510	4,665,600	1,593,600	1,362,700	2,444,600	4,528,200	3,050,100	2,042,800	2,229,500	2,803,400	4,215,600	28,936,100
Courthouse CFMP	8,556,600	2,000,000	2,000,000	116,700	120,200	123,900	127,600	131,400	135,300	139,400	143,600	5,038,100
Emergency Power Systems	3,879,000	397,000	142,800	307,800	27,100	117,000	287,000	32,900	33,900	34,900	518,000	1,898,400
Energy Management Program	6,255,352	783,500	759,200	789,100	1,015,600	809,600	736,600	757,900	779,300	801,800	824,300	8,056,900
Fleet Building CFMP	670,000	519,000	634,000	526,400	744,000	569,500	1,612,200	886,400	609,600	1,098,300	1,016,900	8,216,300
General Services CFMP	16,516,511	1,109,961	1,579,200	1,616,500	1,625,300	1,075,000	1,659,100	1,550,100	1,174,700	1,209,900	1,246,200	13,845,961
Health Department CFMP	6,414,000	193,900	11,400	11,700	12,100	12,400	0	0	0	0	0	241,500
Lee Center CFMP	0	0	96,800	114,900	117,500	158,000	505,600	125,600	148,500	131,300	464,700	1,862,900
Library CFMP	2,521,435	60,500	104,200	49,600	61,300	807,400	983,100	2,806,800	4,768,100	5,850,700	5,754,200	21,245,900
Market Square Plaza and Garage Structural Repairs	1,500,000	131,500	8,861,800	0	0	0	0	0	0	0	0	8,993,300
Mental Health Residential Facilities CFMP	2,814,995	823,600	845,100	670,600	721,400	632,300	758,800	682,600	752,700	779,400	804,800	7,471,300
Parking Garages CFMP	0	10,000	10,300	10,700	11,000	11,300	11,600	12,000	12,300	12,700	13,100	115,000
Preventative Maintenance Systems and Staffing Study	350,000	0	0	0	0	0	0	0	0	0	0	0
Roof Replacement Program	5,954,800	2,373,700	366,000	31,600	370,900	742,900	114,000	18,100	0	1,519,700	35,600	5,572,500
Witter/Wheeler - Fuel Island Renovation	2,650,000	0	0	0	0	0	0	0	0	0	0	0
Witter/Wheeler Campus Funding Reservation	0	0	0	4,000,000	7,000,000	7,000,000	7,000,000	7,000,000	0	0	0	32,000,000
Transportation												
City Standard Construction Specifications	200,000	0	0	0	0	0	0	0	0	0	0	0

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>IT Plan</b>												
Application Portfolio Management	100,000	0	0	0	0	0	0	0	0	0	0	0
Business Tax System/Reciprocity Contractor System	1,424,595	0	0	0	0	0	0	0	305,000	0	0	305,000
Connectivity Initiatives	11,823,270	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	400,000	400,000	6,300,000
Council Chamber Technology Upgrade	350,000	0	0	440,000	0	0	66,000	0	0	0	0	506,000
Customer Relationship Management System	1,725,000	0	0	0	0	0	0	0	0	0	0	0
Database Infrastructure	818,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Document Imaging	2,434,375	50,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140,000
Electronic Government/Web Page	1,618,196	60,000	160,000	50,000	250,000	50,000	50,000	50,000	50,000	0	0	720,000
Employee Pension Administration System	350,000	0	0	0	0	0	0	0	0	0	0	0
Enterprise Collaboration	650,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Data Storage Infrastructure	3,580,435	350,000	400,000	350,000	350,000	350,000	0	0	0	0	0	1,800,000
Enterprise Maintenance Mgmt System	730,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Resource Planning System	4,395,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Service Catalog	220,000	160,000	40,000	40,000	40,000	40,000	0	0	0	0	0	320,000
Fleet Management System	0	140,000	0	0	0	0	0	0	0	0	0	140,000
General Services Facilities Management System	0	0	TBD	TBD	0	0	0	0	0	0	0	0
GIS Development	2,494,500	30,000	70,000	30,000	70,000	30,000	85,000	40,000	70,000	30,000	70,000	525,000
Impound Lot System Replacement	0	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Information Technology Equipment Replacement	2,952,740	900,000	750,000	750,000	900,000	900,000	900,000	900,000	700,000	700,000	700,000	8,100,000
Information Technology Lump Sum Funding	0	0	1,687,000	1,200,000	3,200,000	3,200,000	3,200,000	3,200,000	3,400,000	3,400,000	3,400,000	25,887,000
IT Enterprise Management System	510,000	0	0	0	0	0	0	0	0	0	0	0
LAN Development	459,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
LAN/WAN Infrastructure	5,693,000	2,481,140	1,302,700	809,400	316,500	323,900	1,567,700	740,900	740,800	740,800	740,800	9,764,640
Municipal Fiber	12,410,000	2,000,000	140,000	147,000	154,000	162,000	170,000	179,000	188,000	197,000	207,000	3,544,000
Network Security	3,565,000	300,000	350,000	500,000	605,000	400,000	400,000	800,000	350,000	350,000	350,000	4,405,000
Network Server Infrastructure	8,011,143	410,000	300,000	300,000	300,000	0	0	0	0	0	0	1,310,000
Personal Property Tax System	850,000	1,597,139	144,900	152,200	159,800	167,800	176,200	185,000	194,200	203,900	214,100	3,195,239
Phone, Web, Portable Device Payment Portals	350,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Project Management Software	185,000	0	0	0	0	0	0	0	0	0	0	0
Real Estate Account Receivable System	1,810,000	0	0	0	0	0	0	0	0	0	200,000	200,000
Real Estate Assessment System (CAMA)	340,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
Remote Access	833,000	165,000	170,000	175,000	0	0	0	0	0	0	0	510,000
Small Systems Replacements	0	0	0	0	0	0	0	250,000	250,000	250,000	250,000	1,000,000
Time & Attendance System Upgrade	70,000	80,000	0	0	40,000	0	0	0	0	55,000	0	175,000
Upgrade Work Station Operating Systems	3,313,950	150,000	150,000	300,000	200,000	300,000	0	0	0	0	0	1,100,000
Voice Over Internet Protocol (VoIP)	5,322,173	270,000	155,000	120,000	80,000	60,000	0	0	0	0	0	685,000
<b>CIP Development &amp; Implementation Staff</b>												
Capital Budget Staff (1.50 FTE)	130,100	80,770	190,000	200,000	210,000	221,000	232,000	244,000	256,000	269,000	282,000	2,184,770
Capital Procurement Personnel (7.60 FTE)	1,879,023	851,680	1,020,000	1,071,000	1,125,000	1,181,000	1,240,000	1,302,000	1,367,000	1,435,000	1,507,000	12,099,680
Capital Project Development Team (2.00 FTE)	465,232	210,470	221,000	232,000	244,000	256,000	269,000	282,000	296,000	311,000	327,000	2,648,470
Capital Project Implementation Non-Personnel Expenditures	409,294	182,200	187,600	193,300	199,100	205,000	211,200	217,500	224,100	230,800	237,700	2,088,500
Capital Project Implementation Personnel (25.00 FTE)	6,502,104	3,525,920	3,833,000	4,025,000	4,226,000	4,437,000	4,659,000	4,892,000	5,137,000	5,394,000	5,664,000	45,792,920
General Services Capital Projects Staff (7.80)	1,079,500	1,072,410	1,126,000	1,182,000	1,241,000	1,303,000	1,368,000	1,436,000	1,508,000	1,583,000	1,662,000	13,481,410
IT Systems Implementation Staff (4.50 FTE)	465,000	494,540	519,000	545,000	572,000	601,000	631,000	663,000	696,000	731,000	768,000	6,220,540
Public Private Partnerships Coordinator (1.00 FTE)	155,000	105,000	110,000	116,000	122,000	128,000	134,000	141,000	148,000	155,000	163,000	1,322,000
Open Space Management Staff (2.00 FTE)	0	256,150	269,000	282,000	296,000	311,000	327,000	343,000	360,000	378,000	397,000	3,219,150
<b>Theme 3: Well-Managed Government Total</b>	<b>208,455,413</b>	<b>31,584,680</b>	<b>36,077,800</b>	<b>81,993,000</b>	<b>36,446,900</b>	<b>32,980,400</b>	<b>33,765,300</b>	<b>33,041,600</b>	<b>28,190,700</b>	<b>31,557,000</b>	<b>33,662,900</b>	<b>379,300,280</b>
<b>Theme 4: Safe &amp; Resilient Community</b>												
<b>Community Development</b>												
Citywide Street Lighting	1,785,501	875,000	25,800	26,600	27,400	28,200	29,000	29,900	30,800	31,700	32,700	1,137,100
Fire Department Vehicles & Apparatus	18,153,727	611,924	3,019,600	1,867,700	499,100	2,267,200	529,500	2,102,100	3,789,000	3,350,300	2,781,200	20,817,624
Fire Hydrant Maintenance Program	0	350,000	360,500	371,400	382,500	394,000	289,900	298,600	307,500	316,700	326,200	3,397,300
Gadsby Lighting Fixtures & Poles Replacement	1,360,000	950,000	950,000	950,000	0	84,500	0	89,600	92,300	0	97,900	3,214,300
Police Body Worn Cameras	0	0	TBD	0	0	0	0	0	0	0	0	0
<b>Public Buildings</b>												
Alexandria Police CFMP	0	150,000	154,500	159,200	164,000	168,900	173,900	179,200	184,500	190,100	195,800	1,720,100
Courthouse/PSC Security System Upgrade	2,255,000	1,073,100	0	0	0	0	0	0	0	0	5,300,700	6,373,800
Fire & Rescue CFMP	9,556,233	662,900	162,100	340,800	1,044,500	1,262,500	1,452,500	372,500	904,000	1,296,000	3,915,100	11,412,900
Fire Station 203 (Cameron Mills)	12,399,000	0	0	0	0	0	0	0	0	0	0	0
Fire Station 207 (Duke Street)	0	0	0	0	5,051,800	3,927,100	12,857,300	0	0	0	0	21,836,200
Fire Station 208 Replacement	0	0	250,000	1,100,000	10,000,000	0	0	0	0	0	0	11,350,000
New Burn Building	0	575,400	0	2,288,800	0	0	0	0	0	0	0	2,864,200
Office of the Sheriff CFMP	9,381,356	192,600	5,363,500	2,266,000	2,217,300	2,818,700	1,802,700	127,600	131,400	135,300	139,400	15,194,500
Pistol Range	2,963,250	0	0	0	0	0	0	0	0	0	0	0
Vola Lawson Animal Shelter	3,436,893	40,000	41,200	42,500	133,000	148,100	269,100	900,000	1,223,300	241,700	271,800	3,310,700

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>IT Plan</b>												
AJIS System	3,512,893	6,593,120	3,368,000	1,838,000	268,000	268,000	268,000	268,000	268,000	268,000	268,000	13,675,120
Animal Shelter Server Replacement	130,000	0	0	0	0	0	0	0	0	0	0	0
Computer Aided Dispatch (CAD) System Replacement	16,375,500	300,000	0	0	0	6,700,000	0	0	0	0	0	7,000,000
Courtroom Trial Presentation Technology	307,500	100,000	0	100,000	0	0	100,000	100,000	25,000	0	0	425,000
Electronic Citations Implementation	420,000	0	0	0	0	0	0	0	0	0	0	0
Emergency 911 Phone System Upgrade	1,700,000	0	0	0	0	0	0	0	0	0	0	0
EMS Records Management System	240,000	0	0	0	0	0	0	0	0	0	0	0
Enterprise Camera System	215,000	0	0	0	0	0	0	0	0	0	0	0
Fire Dept RMS	0	50,000	307,500	0	0	0	0	0	0	0	0	357,500
FOIA System Replacement	70,000	15,000	0	0	0	0	0	0	0	0	0	15,000
Office of Voter Registrations and Elections Equipment Replacement	100,000	0	0	0	0	0	0	0	0	1,000,000	0	1,000,000
Parking Citation System Replacement	0	530,000	0	0	0	0	0	0	0	0	0	530,000
Radio System Upgrade	3,340,960	0	3,158,000	3,020,000	2,900,000	0	0	0	0	2,000,000	0	11,078,000
<b>Theme 4: Safe &amp; Resilient Community Total</b>	<b>87,702,813</b>	<b>13,069,044</b>	<b>17,160,700</b>	<b>14,371,000</b>	<b>22,687,600</b>	<b>18,067,200</b>	<b>17,771,900</b>	<b>4,467,500</b>	<b>6,955,800</b>	<b>8,829,800</b>	<b>13,328,800</b>	<b>136,709,344</b>
<b>Theme 5: Flourishing Arts, Culture &amp; Recreation</b>												
<b>Community Development</b>												
Public Art Acquisition	1,810,064	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Public Art Conservation Program	192,500	50,000	51,600	63,900	43,800	56,400	58,000	59,800	73,900	50,800	65,400	573,600
<b>Recreation &amp; Parks</b>												
Athletic Field Improvements (incl. Synthetic Turf)	9,938,875	0	0	13,500,000	2,063,800	770,900	812,300	672,100	1,475,400	1,416,800	727,400	21,438,700
Ball Court Renovations	2,145,313	150,000	154,500	159,200	164,100	169,000	174,000	194,200	203,100	209,200	215,500	1,792,800
Braddock Area Plan Park	2,546,207	0	0	0	0	0	0	0	0	0	3,710,800	3,710,800
Cameron Run Regional Park Feasibility Study	0	100,000	0	0	0	281,400	0	0	0	0	0	381,400
Chinquapin Recreation Center CFMP	3,270,000	515,700	203,000	203,900	253,200	957,500	340,800	263,000	234,400	646,200	715,300	4,333,000
City Marina Maintenance	1,310,613	45,000	46,400	47,900	49,300	50,800	52,200	77,700	80,000	82,500	84,900	616,700
Citywide Parks Improvements Plan	7,510,971	274,632	0	637,800	0	0	0	500,000	0	1,000,000	500,000	2,912,432
Community Matching Fund	662,741	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
Douglas MacArthur School - Recreation & Parks Programming Space	0	2,000,000	0	0	0	0	0	0	0	0	0	2,000,000
Fort Ward Management Plan Implementation	975,000	170,000	0	150,000	0	200,000	0	200,000	0	200,000	0	920,000
Four Mile Run Park	0	0	0	0	0	1,236,000	566,500	19,570,000	0	0	0	21,372,500
Four Mile Run Park Wetlands Connector Bridge	817,000	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trail Repairs	0	1,000,000	5,000,000	0	0	0	0	0	0	0	0	6,000,000
Neighborhood Pool Demolition and Conversion	622,259	0	461,000	0	0	0	0	0	0	0	0	461,000
Old Town Pool Renovations	0	0	0	530,500	8,600,000	0	0	0	0	0	0	9,130,500
Open Space Acquisition and Develop.	22,451,863	0	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	6,750,000
Park Renovations CFMP	5,585,848	416,000	423,600	441,500	454,700	468,400	482,400	547,100	553,600	570,200	587,300	4,944,800
Patrick Henry Recreation Center	7,259,986	0	0	0	0	0	0	0	0	0	0	0
Patrick Henry Turf Fields and Recreation Center	0	0	0	2,363,600	0	0	0	0	0	0	0	2,363,600
Playground Renovations CFMP	6,479,628	622,000	1,010,400	1,060,300	1,071,900	1,104,100	1,137,200	954,500	983,200	1,012,700	1,043,100	9,999,400
Potomac Yard Park Basketball Court Lights	150,000	0	0	0	0	0	0	0	0	0	0	0
Public Pools	1,311,114	52,000	53,800	103,100	106,200	109,400	112,500	116,000	123,400	158,500	163,200	1,098,100
Recreation Centers CFMP	6,715,736	184,100	106,300	177,400	148,500	211,200	1,038,300	1,673,000	1,271,600	2,699,200	4,204,800	11,714,400
Restroom Renovations	1,110,000	0	0	0	0	0	0	657,700	572,000	686,800	602,000	2,518,500
Torpedo Factory Space Programming & Improvements	2,653,175	300,000	445,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	1,145,000
Water Management & Irrigation	1,663,350	128,000	131,900	135,900	140,000	144,300	148,500	167,400	172,400	177,500	182,800	1,528,700
Waterfront Parks CFMP	205,000	50,000	66,000	53,300	54,800	56,500	58,000	65,800	67,700	69,800	71,900	613,800
Windmill Hill Park Improvements	7,459,000	0	496,100	4,700,000	0	0	0	0	0	0	0	5,196,100
<b>Other Regional Contributions</b>												
Northern Virginia Community College (NVCC)	5,035,734	362,363	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	440,000	4,172,363
Northern Virginia Regional Park Authority (NVRPA)	7,537,568	425,404	470,000	475,000	480,000	484,000	489,000	494,000	499,000	504,000	509,000	4,829,404
<b>IT Plan</b>												
OHA Point-of-Sale System Replacement	0	0	0	0	150,000	0	0	0	0	0	0	150,000
OHA Records Management System Replacement	100,000	0	0	0	0	0	0	0	0	0	0	0
Recreation Database System	110,000	200,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	480,000
<b>Theme 5: Flourishing Arts, Culture &amp; Recreation Total</b>	<b>107,629,545</b>	<b>7,495,199</b>	<b>10,926,600</b>	<b>26,474,300</b>	<b>15,455,300</b>	<b>7,978,900</b>	<b>7,152,700</b>	<b>27,899,300</b>	<b>8,001,700</b>	<b>11,180,200</b>	<b>15,083,400</b>	<b>137,647,599</b>
<b>Theme 6: Strong Economy</b>												
<b>Community Development</b>												
Waterfront Small Area Plan Implementation (w/ Construction Funding)	18,443,000	30,500,000	71,500,000	0	0	0	0	0	0	0	0	102,000,000
<b>IT Plan</b>												
Permit Processing	4,717,167	300,000	100,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	100,000	1,700,000
<b>Theme 6: Strong Economy Total</b>	<b>23,160,167</b>	<b>30,800,000</b>	<b>71,600,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>350,000</b>	<b>350,000</b>	<b>100,000</b>	<b>100,000</b>	<b>103,700,000</b>
<b>Theme 7: Thriving Children &amp; Youth</b>												
<b>ACPS</b>												
ACPS Capital Program	436,887,828	198,801,600	83,827,400	23,711,800	41,592,400	37,756,200	16,529,200	39,644,600	20,026,800	53,861,500	14,962,400	530,713,900
<b>Public Buildings</b>												
Beatley Building Envelope Restoration	1,170,000	531,300	0	0	0	0	0	0	0	0	0	531,300
Burke Branch Renovation	0	0	825,000	0	0	0	0	0	0	0	0	825,000
<b>IT Plan</b>												
Library Public Access Computers and Print Mgmt System	45,000	0	0	85,000	0	0	0	0	0	0	0	85,000
Library Scanning Equipment and DAMS	0	60,400	0	0	0	0	0	0	0	0	0	60,400
Library Self-Service Stations/Equipment	160,000	0	0	0	0	152,000	0	0	0	0	0	152,000
Migration of Integrated Library System to SAAS Platform	69,000	0	0	0	0	0	0	0	0	0	0	0
<b>Theme 7: Thriving Children &amp; Youth Total</b>	<b>438,331,828</b>	<b>199,393,300</b>	<b>84,652,400</b>	<b>23,796,800</b>	<b>41,592,400</b>	<b>37,908,200</b>	<b>16,529,200</b>	<b>39,644,600</b>	<b>20,026,800</b>	<b>53,861,500</b>	<b>14,962,400</b>	<b>532,367,600</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>Theme 8: Environmental Sustainability</b>												
<b>Community Development</b>												
Environmental Restoration		283,460	167,000	301,000	185,000	322,000	209,000	346,000	233,000	345,000	260,000	2,651,460
Oronoco Outfall Remediation Project	10,491,505	450,000	2,500,000	0	0	0	0	0	0	0	0	2,950,000
Stream Valley Design Guidelines	0	250,000	0	0	0	0	0	0	0	0	0	250,000
<b>Recreation &amp; Parks</b>												
Proactive Maintenance of the Urban Forest	319,500	106,500	206,000	212,200	218,600	225,200	231,900	238,900	246,000	253,400	261,000	2,199,700
Tree & Shrub Capital Maintenance	5,247,985	219,500	333,800	260,900	356,400	367,100	378,000	430,100	442,800	456,200	469,900	3,714,700
<b>Sanitary Sewers</b>												
AlexRenew Wastewater Treatment Plant Capacity	0	0	0	0	2,251,100	0	0	0	0	0	0	2,251,100
Capital Support of CSO Mitigation Projects	1,355,990	0	0	0	0	0	0	0	0	0	0	0
Citywide Sewershed Infiltration & Inflow	19,861,440	0	0	0	0	0	0	0	0	0	0	0
Combined Sewer Assessment & Rehabilitation		2,805,000	3,900,000	3,900,000	3,700,000	0	0	0	0	0	0	10,605,000
Holmes Run Trunk Sewer		0	0	0	0	0	0	0	0	0	0	0
Reconstructions & Extensions of Sanitary Sewers	15,492,959	0	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	8,100,000
Sanitary Sewer Asset Renewal Program	0	1,250,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	32,750,000
<b>Stormwater Management</b>												
Cameron Station Pond Retrofit	4,681,885	0	0	0	0	0	0	0	0	0	0	0
City Facilities Stormwater Best Management Practices (BMPs)	1,633,000	0	0	0	0	0	0	0	0	0	0	0
Four Mile Run Channel Maintenance	3,293,000	0	0	936,600	0	0	0	0	1,251,300	4,177,000	0	6,364,900
Green Infrastructure	1,850,000	206,500	210,000	0	1,549,000	0	0	0	0	0	0	1,965,500
Lucky Run Stream Restoration	2,800,000	0	0	0	0	0	0	0	0	0	0	0
MS4-TDML Compliance Water Quality Improvements	1,255,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	3,000,000	3,000,000	51,000,000
NPDES / MS4 Permit	815,000	165,000	170,000	168,400	170,000	171,700	173,500	175,200	177,000	178,700	180,500	1,730,000
Phosphorus Exchange Bank	0	0	0	0	0	0	0	0	0	0	0	0
Storm Sewer Capacity Assessment	4,713,500	498,750	508,300	0	0	7,529,100	0	588,100	10,213,900	0	0	19,338,150
Storm Sewer System Spot Improvements	7,605,221	420,000	430,500	441,400	452,500	464,000	475,800	488,000	500,500	513,400	526,700	4,712,800
Stormwater BMP Maintenance CFMP	135,000	140,000	144,200	148,600	153,000	1,201,500	1,220,100	157,700	160,900	164,100	167,400	3,657,500
Stormwater Utility Implementation	1,673,200	0	0	0	0	0	0	0	0	0	0	0
Strawberry Run Stream Restoration	800,000	0	0	0	0	0	0	0	0	0	0	0
Stream & Channel Maintenance	6,570,454	450,000	459,000	468,200	477,600	487,100	496,900	506,800	517,000	527,300	537,800	4,927,700
Taylor Run Stream Restoration	2,092,850	0	0	0	0	0	0	0	0	0	0	0
<b>Theme 8: Environmental Sustainability Total</b>	<b>106,660,538</b>	<b>10,244,710</b>	<b>16,928,800</b>	<b>14,737,300</b>	<b>17,213,200</b>	<b>22,167,700</b>	<b>14,585,200</b>	<b>16,330,800</b>	<b>23,142,400</b>	<b>14,015,100</b>	<b>9,803,300</b>	<b>159,168,510</b>
<b>Theme 9: Healthy Residents</b>												
<b>Public Buildings</b>												
DCHS Consolidation and Co-Location	1,141,104	906,400	8,520,000	11,904,000	0	0	0	0	0	0	0	21,330,400
<b>IT Plan</b>												
HIPAA & Related Health Information Technologies	628,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
<b>Theme 9: Healthy Residents Total</b>	<b>1,769,104</b>	<b>931,400</b>	<b>8,545,000</b>	<b>11,929,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>21,580,400</b>
<b>Theme 10: Multimodal Transportation</b>												
<b>Community Development</b>												
Transportation Signage & Wayfinding System	2,296,000	130,000	141,000	0	0	0	0	0	0	0	0	271,000
<b>Recreation &amp; Parks</b>												
Pavement in Parks	1,000,000	200,000	200,000	225,000	240,000	240,000	240,000	275,000	275,000	275,000	275,000	2,445,000
Soft Surface Trails	1,266,987	120,000	123,700	124,400	131,300	135,300	139,300	143,400	147,700	152,300	156,700	1,374,100
<b>Public Buildings</b>												
Alexandria Transit - DASH CFMP	0	1,642,700	1,351,500	53,100	54,700	56,300	58,000	59,800	61,500	63,400	65,300	3,466,300
Union Station Improvements	0	250,000	0	TBD	TBD	TBD	0	0	0	0	0	250,000

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
Transportation												
Access Improvements at Landmark	0	0	0	0	3,950,230	2,384,400	0	0	0	0	0	6,334,630
Backlick Run Multi-Use Paths	2,851,894	0	2,210,003	2,100,648	300,000	0	0	0	0	0	0	4,610,651
Bicycle Parking at Transit	505,000	0	0	0	0	0	0	0	0	0	0	0
BRAC & Central City Neighborhood Protection Plan	335,000	0	0	0	0	0	0	0	0	0	0	0
Bridge Repairs	9,544,975	1,445,000	1,844,700	1,758,900	1,800,600	2,178,500	2,369,300	2,583,200	3,433,600	4,159,400	3,314,000	24,887,200
Cameron & Prince Bicycle & Pedestrian Facilities	240,000	0	0	0	0	0	0	0	0	0	0	0
Capital Bikeshare	4,307,757	350,000	400,000	250,000	250,000	0	0	0	0	0	0	1,250,000
Citywide Parking - Parking Study	150,000	0	0	0	0	0	0	0	0	0	0	0
Citywide Parking - Parking Technologies	773,629	629,736	450,000	250,000	0	0	0	0	0	0	0	1,329,736
Citywide Trans. Mgmt. Tech. - Broadband Communications Link	1,000,000	0	0	0	0	0	0	0	0	0	0	0
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	15,009,804	223,123	1,000,000	400,000	600,000	3,084,550	0	0	0	0	0	5,307,673
Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	450,000	100,000	103,000	138,200	175,200	202,800	208,800	215,000	221,400	228,200	235,100	1,827,700
Citywide Trans. Mgmt. Tech. - Transportation Technologies	1,370,312	250,000	0	265,300	0	281,500	0	298,500	309,500	316,800	326,300	2,047,900
Complete Streets	9,229,888	860,280	1,073,000	786,000	800,000	814,000	829,000	845,000	862,000	879,000	897,000	8,645,280
DASH Bus Fleet Replacements	20,929,000	0	0	12,465,600	9,288,200	0	9,332,200	19,343,700	0	8,740,800	21,006,900	80,177,400
DASH Electronic Fare Payment	450,000	750,000	0	0	0	0	0	0	0	0	0	750,000
DASH Facility and Fleet Expansion	11,933,161	0	6,422,147	2,688,317	7,648,551	9,063,302	0	0	0	0	0	25,822,317
DASH Hybrid Bus and Trolley Powertrain Replacement	1,650,000	0	412,000	371,400	382,500	394,000	347,800	298,600	184,500	0	0	2,390,800
DASH Technologies	0	0	0	600,000	255,745	0	0	0	0	0	0	855,745
Duke Street and West Taylor Run Safety Improvements	2,545,000	0	0	0	3,905,460	0	0	0	0	0	0	3,905,460
East Glebe & Route 1	4,600,000	0	0	0	0	0	0	0	0	0	0	0
Eisenhower Avenue Roadway Improvements	9,365,631	0	0	0	0	0	0	0	0	0	0	0
Eisenhower Metrorail Station Improvements	6,794,840	0	0	0	0	0	0	0	0	0	0	0
Fixed Transportation Equipment	23,290,971	850,000	875,500	2,493,400	956,300	985,000	1,043,500	1,074,800	1,107,000	1,140,300	1,207,100	11,732,900
Four Mile Run Bridge Program	0	6,000,000	7,000,000	7,000,000	0	0	0	0	0	0	0	20,000,000
Holmes Run Trail Connector	1,286,218	0	0	0	0	0	0	0	0	0	0	0
King & Beauregard Intersection Improvements	17,902,862	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	16,781,242	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Avenue North Complete Streets	520,000	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Trail @ East Abingdon	850,000	0	0	0	0	0	0	0	0	0	0	0
Old Cameron Run Trail	3,545,000	0	0	1,646,273	1,122,727	2,045,000	0	0	0	0	0	4,814,000
Potomac Yard Metrorail Station	384,725,000	0	0	0	0	0	0	0	0	0	0	0
Seminary / Howard Safety Improvements	378,000	0	0	0	0	0	0	0	0	0	0	0
Seminary Road at Beauregard Street Ellipse	425,000	0	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	36,400,000
Shared-Use Paths	1,041,357	0	150,000	0	150,000	0	150,000	0	0	0	0	450,000
Sidewalk Capital Maintenance	4,389,469	600,000	309,000	636,600	327,900	675,400	347,800	716,500	369,000	760,100	391,500	5,133,800
Street Reconstruction & Resurfacing of Major Roads	40,204,576	5,500,000	5,665,000	5,835,000	5,436,400	5,599,500	4,984,900	6,328,500	6,149,400	6,333,900	6,523,900	58,356,500
Traffic Adaptive Signal Control	0	0	7,000,000	0	0	0	0	0	0	0	0	7,000,000
Transit Access & Amenities	4,002,649	823,123	500,000	400,000	0	0	0	0	0	0	0	1,723,123
Transit Corridor "A" - Route 1	29,853,743	0	0	0	0	0	0	0	0	0	0	0
Transit Corridor "B" - Duke Street	12,190,000	0	0	0	0	0	0	0	0	0	0	0
Transit Corridor "C" - West End Transitway	5,400,000	0	8,171,388	4,028,612	23,610,244	33,589,753	0	0	0	0	0	69,399,997
Transit Signal Priority	1,255,491	0	0	0	0	0	0	0	0	0	0	0
Transitway Enhancements	1,000,000	454,491	0	0	0	0	0	0	0	0	0	454,491
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	500,000	0	0	0	0	0	0	0	0	0	0	0
Van Dorn Metrorail Station Area Improvements	1,331,000	0	0	0	0	0	0	0	0	0	0	0
Van Dorn/Beauregard Bicycle Facilities	1,458,869	0	0	0	0	0	0	0	0	0	0	0
WMATA Capital Contributions	148,501,034	17,600,000	15,425,000	16,021,000	16,421,000	16,875,000	15,600,000	16,100,000	16,600,000	17,100,000	17,600,000	165,342,000
Alexandria Mobility Plan	840,000	0	0	0	0	0	0	0	0	0	0	0
Theme 10: Multimodal Transportation Total	810,271,358	38,778,453	60,826,938	64,037,750	94,007,057	95,304,305	35,650,600	48,282,000	29,720,600	40,149,200	51,998,800	558,755,703
<b>Grand Total</b>	<b>1,799,448,826</b>	<b>342,713,998</b>	<b>313,365,638</b>	<b>244,411,650</b>	<b>234,617,057</b>	<b>221,628,305</b>	<b>132,794,800</b>	<b>177,396,800</b>	<b>123,701,300</b>	<b>167,127,400</b>	<b>146,498,200</b>	<b>2,104,255,148</b>

# CAPITAL PROJECT DETAILS

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## Capital Project Detail Sheets

The detail sheets contained in the project sections of the Capital Improvement Program (CIP) document provide a variety of information about the City’s Capital Improvement Program (CIP) projects. This CIP document builds upon changes made beginning in FY 2014 to provide clear, concise and relevant information for each project. The display of the financial (budget) details is provided through individual “Sources and Uses” tables. The following information is provided on each project details sheet:

### Project Header Section

- Project Title – The title by which the project is referred to in official documents.
- Document Subsection – Identifies the group of like projects in which the project is included, within the section.
- Managing Department – Identifies the agency that is primarily responsible for planning and managing the project.
- Project Location – Specific location of project, Citywide initiative, or regional project.
- Reporting Area – Reporting areas used by Planning and Zoning to identify areas of the City, Citywide initiative, or regional project.
- Project Category – Describes the project type. There are three project categories: Category 1 – Asset Maintenance; Category 2 – (One-Time) Renovation to Existing Assets; Category 3 – New Facilities (or support of new facilities).
- Estimate Useful Life – Where applicable, information on the useful life of the improvement.
- Primary Strategic Theme – Indicates the City Strategic Theme to which the project is primarily aligned.

### Financial (Budget) Information

For each capital project, financial (budget) information is displayed by providing the total cost of the project, which is equal to all project funding through FY 2020, and then planned funding for FY 2021 – 2030. Each project also provides details on the specific funding sources used to finance the project.

Courthouse/PSC Security System Upgrade													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	8,628,800	2,255,000	1,073,100	0	0	0	0	0	0	0	0	5,300,700	6,373,800
Financing Plan													
Cash Capital	2,255,000	2,255,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	6,373,800	0	1,073,100	0	0	0	0	0	0	0	0	5,300,700	6,373,800
Financing Plan Total	8,628,800	2,255,000	1,073,100	0	0	0	0	0	0	0	0	5,300,700	6,373,800
Additional Operating Impact	3,151,600	0	0	279,100	292,800	307,200	322,300	338,100	354,700	372,200	390,600	494,600	3,151,600

Additionally, information providing the costs of additional operating impacts associated with project completion and any budget changes from the prior year CIP are provided in the financial (budget) information tables.

### Project Description and Justification

Each project contains a clear and concise project description and justification for the project. The project description and justification contains the following information:

- Description of the project
- History of the project (if relevant to the current year’s plan)
- Project status
- Discussion of non-City funding sources
- Benefits of completing the project

### Additional Operating Impact

An explanation of any identified additional operating impact associated with project implementation that was not included in the prior year operating budget is provided.

# RESERVED BOND CAPACITY/CASH CAPITAL FUNDING

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## Reserved Bond Capacity/Cash Capital Funding

As part of the Approved FY 2018 – FY 2027 CIP, City Council approved the creation of a blue-ribbon task force to supervise the development of a joint City and Schools plan to address the facility capacity and maintenance needs of the City’s and ACPS’ public buildings. The committee was designated the Ad Hoc Joint City/School Facilities Investment Task Force (the “Task Force”).

The Task Force was charged with the following tasks:

- Develop and recommend a long-range joint City/Schools municipal facilities Capital Improvement Plan;
- Determine opportunities for joint facility/site/co-location opportunities for City and School programs;
- Review and recommend municipal facility planning and civic engagement principles, standards, and practices;
- Review and recommend alternative capital project delivery methods and project management structures;
- Review and recommend governance of capital planning and project delivery; and
- Review and recommend asset management practices.

In addition to creating the Task Force, City Council also approved the addition of 3 cents to the real estate tax rate beyond the 2.7 cent increase in the Proposed FY 2018 budget to be used to address the recommendations of the Task Force. Over the FY 2018 – FY 2027 plan, this 3-cent increase on the real estate tax rate was projected to raise \$130.1 million in additional revenue to address City and School facility needs. This new revenue was combined with previously planned funding for major City and School facility maintenance/replacement projects for prioritization by the Task Force.

On November 4, 2017, the Task Force presented its initial recommendations to the City Council regarding the portfolio of City and School capital projects that should occur in the next ten years. On January 30, 2018, the Task Force presented its final recommendations to City Council and the School Board, which outlined improvements that City Council and the School Board should pursue to improve project development, explore alternative delivery methods, improve preventative maintenance practices, and to promote better cooperation and joint-ness between the City and School capital programs. City and School staff continue to work together on how to best operationalize the Task Force recommendations, including the following initiatives:

- Conducting the joint City Council/School Board Visioning Sessions (May 2018 & September 2018);
- On-going development of the Joint City-ACPS Facilities Master Plan;
- Fall CIP worksessions to provide additional time to deliberate on capital needs and proposed project solutions; and
- Regular meetings of the Joint City-School Capital Management Council;
- Conducting a review of public-private partnership (P3) opportunities for City and School capital projects;
- Joint conducting of a Preventative Maintenance System and Staffing Study; and
- Codifying processes for more joint planning of school modernization projects and co-location opportunities.

The Proposed FY 2021 – FY 2030 CIP continues to reflect the recommendations of the Task Force. The School Board Approved FY 2021 – FY 2030 CIP also continues to be largely consistent with the recommendations of the Task Force. Over the ten year plan, the City Manager’s Proposed CIP fully funds the School Board Approved FY 2021 – FY 2030 CIP, which will provide sufficient funding to execute the recommendations of the Task Force.

### **Funding Held in Contingency**

As part of the development of the Proposed FY 2021 – FY 2030 CIP, staff undertook a significant review of current and new projects to better standardize project development and costing. This included a more consistent approach to applying contingencies and cost escalation to projects. As such, the funding originally held in contingency by the Task Force’s recommendations has largely been moved to individual projects.

The City's capital program continues to hold funding in reserve related to joint projects and land acquisition:

- **City & School Land Acquisition and DCHS Colocation Investment** – funding (\$40 million in FY 2019), set aside for land acquisition opportunities. This contingency line reserves bond capacity for land acquisition, however the City will likely not borrow these funds until a clear land acquisition opportunity comes available. In FY 2020, \$1.02 million of this contingency was used to purchase abutting properties immediately adjacent to the Douglas MacArthur Elementary School, comprising nearly 25,000 square feet that will be used to provide ACPS with needed flexibility in designing and constructing an appropriate educational facility with corresponding site requirements to accommodate capacity and structural issues.
- **Witter/Wheeler Campus Funding Reservation (includes ACPS Transportation Facility)** – funding (\$38.7 million) set aside to redevelop the Witter/Wheeler Campus which includes both City and ACPS facilities. The City and ACPS continue to work on the Witter/Wheeler Master Plan process, which will inform the scope and direction of this redevelopment. Additionally, several studies are underway that will inform the master planning process, including a Storm Water Mitigation Study, a study on the facilities impact/needs assessment for electrification of the DASH bus fleet, and a Fleet Consolidation study.

The table on the following page outlines the various categories of contingency funding included in the Proposed FY 2021 – FY 2030 CIP.

Task Force Recommendations & Contingency Funding

Items	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	TOTAL FY 2021 - 2030
Witter/Wheeler Campus Funding Reservation	-	-	-	4,000,000	7,000,000	7,000,000	7,000,000	7,000,000	-	-	-	32,000,000
Witter/Wheeler Planning & Feasibility	346,000	-	-	-	-	-	-	-	-	-	-	-
Witter/Wheeler - Schools Transportation Facility (In Schools Section)	-	-	6,710,000	-	-	-	-	-	-	-	-	6,710,000
City & School Land Acquisition Reservation	40,000,000	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>40,346,000</b>	<b>-</b>	<b>6,710,000</b>	<b>4,000,000</b>	<b>7,000,000</b>	<b>7,000,000</b>	<b>7,000,000</b>	<b>7,000,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>38,710,000</b>

# CIP DEVELOPMENT & IMPLEMENTATION STAFF

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## CIP Development & Implementation Staff

Over the past decade, the City's Capital Improvement Program (CIP) has significantly expanded in scope, volume, and complexity. Compared to the Approved FY 2011 – FY 2020 CIP, the City has increased the resources (both City and Non-City) devoted to capital investment by 198% from \$707.1 million for the ten-year CIP in FY 2010 to the \$2.10 billion in the Proposed FY 2021 – FY 2030 CIP. This large increase can be attributed to a multitude of factors and initiatives that the City has undertaken, including an increased commitment to City and School facility needs, investments in the City's Stormwater management and sanitary sewer systems to meet state and federal mandates, and significant investments in local and regional transportation systems.

During this time, City Council has reaffirmed its commitment to capital investment in the City's needs on several occasions through the adoption of small area plans, increasing the real estate tax rate for capital investment, dedicating real estate revenue to transportation projects, and implementing fees, such as the Stormwater Utility fee, to meet capital investment needs.

The Proposed FY 2021 – FY 2030 CIP includes funding for (current and additional) staff to fund and augment staffing that is directly working on the implementation of the City's capital plan. Charging staff costs to a CIP is considered a mainstream, acceptable, and common practice in municipal finance.

The table on the next page details the positions that are charged to the CIP. While several positions are charged to specific projects, a central CIP Development & Implementation project funds the positions that work directly on implementing the City's capital program, but are not attached to a specific project.

### CIP Development & Implementation Staff

<b>Department</b>	<b>Position</b>	<b>Project Charged</b>	<b>FY 2020 Approved FTEs</b>	<b>FY 2021 Proposed FTEs</b>	<b>Change FY 20-FY 21 FTEs</b>
<u>Positions Charged to Specific Project</u>					
General Services	Division Chief - Capital Project Implementation†	General Services CFMP	1.00	-	(1.00)
	CIP Project Managers†	General Services CFMP	2.00	-	(2.00)
	Energy Project Specialist	Energy Management Program	1.00	1.00	-
	Green Building Engineer*	Energy Management Program	-	1.00	1.00
Information Technology Services	Municipal Fiber Engineer	Municipal Fiber	1.00	1.00	-
	Wireless Engineer	LAN/WAN Infrastructure	1.00	1.00	-
	Integrated Justice Program IT Manager	AJIS Enhancements	1.00	1.00	-
	Information Technology Support Engineer	Computer Aided Dispatch (CAD) Project	1.00	1.00	-
Planning & Zoning	Senior Planning Technician	Permit Processing Project	1.00	1.00	-
Recreation, Parks, & Cultural Activities	Urban Planner II†	Athletic Field Improvements (incl. Synthetic Turf)	1.00	-	(1.00)
	Principal Planner†	Open Space Acquisition and Development	1.00	-	(1.00)
Transportation & Environmental Services	Sustainability Coordinator	Environmental Restoration	1.00	1.00	-
	Principal Planner	Complete Streets	1.00	1.00	-
	Urban Planner III	Complete Streets	1.00	1.00	-
	Transportation Technology Data Analyst	Intelligent Transportation Systems (ITS) Integration	1.00	1.00	-
	Division Chief - Environmental Quality	Stormwater Utility	1.00	1.00	-
<u>Centralized Capital Positions</u>					
City Manager's Office	Public Private Partnerships Coordinator	CIP Development & Implementation	1.00	1.00	-
Finance	Capital Procurement Personnel	CIP Development & Implementation	7.60	7.60	-
General Services	Division Chief - Capital Project Implementation	CIP Development & Implementation	-	1.00	1.00
	CIP Project Managers	CIP Development & Implementation	3.80	5.80	2.00
	CIP Project Superintendent	CIP Development & Implementation	1.00	1.00	-
Information Technology Services	ITS Capitalized Staff	CIP Development & Implementation	4.50	4.50	-
Management & Budget	Capital Improvement Program Manager*	CIP Development & Implementation	0.25	0.50	0.25
	Capital Budget Analyst	CIP Development & Implementation	1.00	1.00	-
Planning & Zoning	Capital Project Development Team	CIP Development & Implementation	2.00	2.00	-
Project Implementation	Capital Project Implementation Non-Personnel Expenditures	CIP Development & Implementation	-	-	-
	Capital Project Implementation Personnel	CIP Development & Implementation	24.00	25.00	1.00
Recreation, Parks, & Cultural Activities	Open Space Management Staff	CIP Development & Implementation	-	2.00	2.00
<b>Subtotal</b>			<b>61.15</b>	<b>63.40</b>	<b>2.25</b>

**Notes**

\*FTE has been reallocated from the operating budget to the capital program and does not represent a 'new' FTE.

† FTE moved from specific project to central capital positions' account to reflect wider scope of positions work.

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
City Manager's Office												
Public Private Partnerships Coordinator (1.00 FTE)	155,000	105,000	110,000	116,000	122,000	128,000	134,000	141,000	148,000	155,000	163,000	1,322,000
Department of General Services												
General Services Capital Projects Staff (7.80)	1,079,500	1,072,410	1,126,000	1,182,000	1,241,000	1,303,000	1,368,000	1,436,000	1,508,000	1,583,000	1,662,000	13,481,410
Department of Finance												
Capital Procurement Personnel (7.60 FTE)	1,879,023	851,680	1,020,000	1,071,000	1,125,000	1,181,000	1,240,000	1,302,000	1,367,000	1,435,000	1,507,000	12,099,680
Department of Planning & Zoning												
Capital Project Development Team (2.00 FTE)	465,232	210,470	221,000	232,000	244,000	256,000	269,000	282,000	296,000	311,000	327,000	2,648,470
Department of Project Implementation												
Capital Project Implementation Non-Personnel Expenditures	409,294	182,200	187,600	193,300	199,100	205,000	211,200	217,500	224,100	230,800	237,700	2,088,500
Capital Project Implementation Personnel (25.00 FTE)	6,502,104	3,525,920	3,833,000	4,025,000	4,226,000	4,437,000	4,659,000	4,892,000	5,137,000	5,394,000	5,664,000	45,792,920
Department of Recreation, Parks, and Cultural Activities												
Open Space Management Staff (2.00 FTE)	0	256,150	269,000	282,000	296,000	311,000	327,000	343,000	360,000	378,000	397,000	3,219,150
Information Technology Services												
IT Systems Implementation Staff (4.50 FTE)	465,000	494,540	519,000	545,000	572,000	601,000	631,000	663,000	696,000	731,000	768,000	6,220,540
Office of Management & Budget												
Capital Budget Staff (1.50 FTE)	130,100	80,770	190,000	200,000	210,000	221,000	232,000	244,000	256,000	269,000	282,000	2,184,770
<b>Grand Total</b>	<b>11,085,253</b>	<b>6,779,140</b>	<b>7,475,600</b>	<b>7,846,300</b>	<b>8,235,100</b>	<b>8,643,000</b>	<b>9,071,200</b>	<b>9,520,500</b>	<b>9,992,100</b>	<b>10,486,800</b>	<b>11,007,700</b>	<b>89,057,440</b>

# ALEXANDRIA CITY PUBLIC SCHOOLS (ACPS)

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The entire ACPS Capital Improvement Program can be found on-line at:

<http://www.acps.k12.va.us/budgets/>

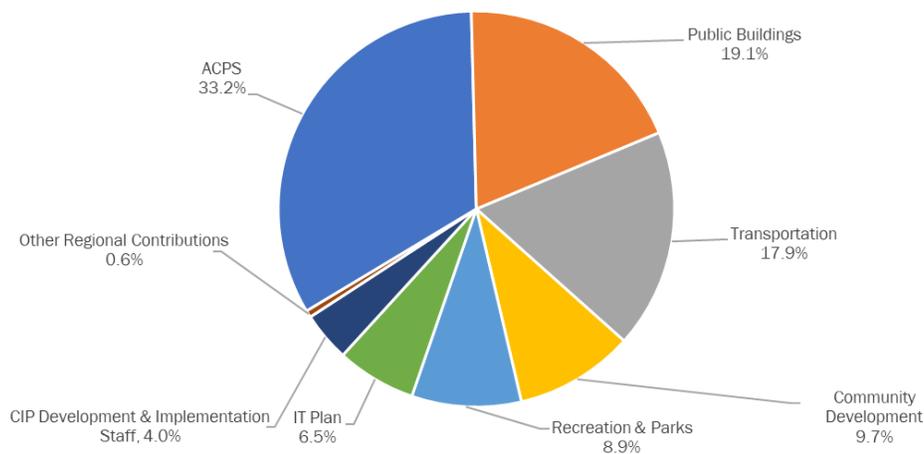
## Alexandria City Public Schools (ACPS) Proposed FY 2021 – FY 2030 Capital Improvement Program (CIP)

### Overview

The City Manager Proposed FY 2021 – 2030 Capital Improvement Program (CIP) includes funding over ten years of \$530.7 million, which represents a \$52.7 million or a 18.2% increase in City funding over the prior City Adopted CIP for ACPS. The Proposed CIP funds 100% of the ACPS School Board Approved CIP, which was adopted by the School Board on December 19, 2019.

The Schools section of the Proposed CIP represents a significant investment in City resources. Of the City unrestricted funding sources in the CIP (general fund cash capital and general obligation bonds), the Schools Capital Program will use 33% of identified sources. Additionally, the School Board Approved FY 2021 – FY 2030 CIP is frontloaded, with \$282.6 million out of \$530.7 million in planned expenditures occurring in the first two years of the Schools’ CIP. This early and large allocation of CIP sources, along with other significant investments in City facilities and infrastructure, will require the use of borrowing and creates a substantial amount of pressure on the City’s General Fund through increases in long-term debt service. As such, the Proposed CIP proposes a 2-cent tax rate increase to support the School and City capital programs and the near-term debt service pressure caused by the frontloading of the High School project (\$158.2 million) and the rebuild of the Douglas MacArthur Elementary School (\$69.4 million). This means 53% of ACPS CIP is in the first two years of the ten-year CIP and 75% within the first five years of the CIP. Additional 2-cent tax rate increases will be necessary in both FY 2023 and FY 2025 to continue to support the increased investments in School Capital needs. This will raise the 2-cents in FY 2021 to 4-cents in FY 2023 and to 6-cents in FY 2025.

**Proposed FY 2021 - FY 2030 CIP**  
Distribution of City Unrestricted Funding



As the City sets budget authority and timing in each year of the ten-year ACPS plan, the Proposed CIP represents the planned dollar level of capital investments for ACPS facilities. The School Board selects which projects will be undertaken and when they will be undertaken but is required to stay within the total CIP dollar amount appropriated by City Council.

### FY 2021 Capital Year Budget

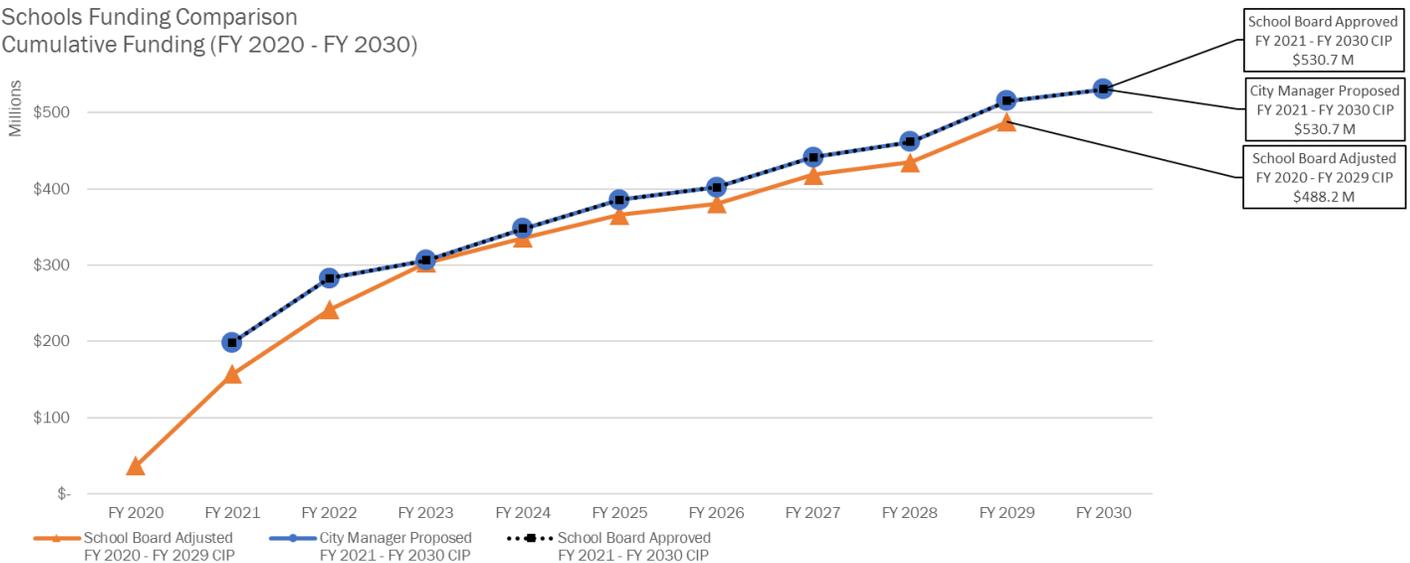
The Proposed FY 2021 capital year budget reflects funding for all the capacity and non-capacity needs identified in the School Board Approved FY 2021 – FY 2030 CIP for FY 2021. This includes funding to begin the High School project and for the construction of the new Douglas MacArthur Elementary School.

### FY 2021 – 2030 City Manager Proposed CIP Compared to the School Board Approved CIP

As discussed in the Overview section, the City Manager Proposed FY 2021 – FY 2030 CIP provides \$530.7 million within the overall 10-Year CIP for school capital projects, which funds 100% of the School Board Approved FY 2021 – FY 2030 CIP.

Capital Improvement Program	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
City Manager Proposed FY 2021 - FY 2030 CIP	\$ 198,801,600	\$ 83,827,400	\$ 23,711,800	\$ 41,592,400	\$ 37,756,200
School Board Approved FY 2021 - FY 2030 CIP	\$ 198,801,502	\$ 83,827,369	\$ 23,711,757	\$ 41,592,320	\$ 37,756,043
<b>Difference: Manager Proposed - School Board Approved</b>	<b>\$ 98</b>	<b>\$ 31</b>	<b>\$ 43</b>	<b>\$ 80</b>	<b>\$ 157</b>
Capital Improvement Program	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030
City Manager Proposed FY 2021 - FY 2030 CIP	\$ 16,529,200	\$ 39,644,600	\$ 20,026,800	\$ 53,861,500	\$ 14,962,400
School Board Approved FY 2021 - FY 2030 CIP	\$ 16,529,097	\$ 39,644,569	\$ 20,026,719	\$ 53,861,414	\$ 14,962,208
<b>Difference: Manager Proposed - School Board Approved</b>	<b>\$ 103</b>	<b>\$ 31</b>	<b>\$ 81</b>	<b>\$ 86</b>	<b>\$ 192</b>
City Manager Proposed FY 2021 - FY 2030 CIP	\$ 530,713,900				
School Board Approved FY 2021 - FY 2030 CIP	\$ 530,712,998				
<b>Difference: Manager Proposed - School Board Approved</b>	<b>\$ 902</b>				

Schools Funding Comparison  
Cumulative Funding (FY 2020 - FY 2030)



### 10-Year School CIP Totals Funded By City Council

CIP	City Council Approved Ten Year Funding	Percent Change
FY 2017 - FY 2026	\$ 273,988,551	
FY 2018 - FY 2027	\$ 373,000,000	36.1%
FY 2019 - FY 2028	\$ 474,680,535	27.3%
FY 2020 - FY 2029	\$ 479,460,303	1.0%
FY 2021 - FY 2030 (Requested)	\$ 530,712,998	10.7%
<i>Five-Year Percent Increase</i>		<b>93.7%</b>

### Alexandria City Public Schools (ACPS) School Board Approved FY 2021 – 2030 Capital Improvement Program

Category/Site/Project	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 21 - 30
<b>Capacity</b>											
Cora Kelly											
Construction of Renovation & Capacity	-	-	-	-	-	-	30,227,289	-	-	-	30,227,289
Design, Project Management & Other Soft Costs	-	-	-	-	-	7,556,822	-	-	-	-	7,556,822
<b>Cora Kelly Total</b>	-	-	-	-	-	<b>7,556,822</b>	<b>30,227,289</b>	-	-	-	<b>37,784,111</b>
Douglas MacArthur											
Design, Project Management & Other Soft Costs; Construction of Renovation & Capacity	69,433,250	-	-	-	-	-	-	-	-	-	69,433,250
<b>Douglas MacArthur Total</b>	<b>69,433,250</b>	-	-	-	-	-	-	-	-	-	<b>69,433,250</b>
George Mason											
Construction of Renovation & Capacity	-	-	-	27,198,934	27,198,934	-	-	-	-	-	54,397,867
Design, Project Management & Other Soft Costs	-	-	13,599,467	-	-	-	-	-	-	-	13,599,467
<b>George Mason Total</b>	-	-	<b>13,599,467</b>	<b>27,198,934</b>	<b>27,198,934</b>	-	-	-	-	-	<b>67,997,334</b>
High School Project											
Hard costs for a new high school	103,712,469	54,503,900	-	-	-	-	-	-	-	-	158,216,369
<b>High School Project Total</b>	<b>103,712,469</b>	<b>54,503,900</b>	-	-	-	-	-	-	-	-	<b>158,216,369</b>
Matthew Maury											
Design, Project Management & Other Soft Costs	-	-	-	-	-	-	-	-	-	6,067,601	6,067,601
<b>Matthew Maury Total</b>	-	-	-	-	-	-	-	-	-	<b>6,067,601</b>	<b>6,067,601</b>
New School											
Construction of Renovation & Capacity	-	-	-	-	-	-	-	-	45,433,524	-	45,433,524
Design, Project Management & Other Soft Costs	-	-	-	-	-	-	-	11,358,381	-	-	11,358,381
<b>New School Total</b>	-	-	-	-	-	-	-	<b>11,358,381</b>	<b>45,433,524</b>	-	<b>56,791,905</b>
Transportation Services											
Transportation Facility Modernization	-	6,710,000	-	-	-	-	-	-	-	-	6,710,000
<b>Transportation Services Total</b>	-	<b>6,710,000</b>	-	-	-	-	-	-	-	-	<b>6,710,000</b>
Non-Capacity	25,655,783	22,613,469	10,112,291	14,393,387	10,557,110	8,972,275	9,417,280	8,668,338	8,427,890	8,894,607	127,712,429
<b>Grand Total</b>	<b>198,801,502</b>	<b>83,827,369</b>	<b>23,711,757</b>	<b>41,592,320</b>	<b>37,756,043</b>	<b>16,529,097</b>	<b>39,644,569</b>	<b>20,026,719</b>	<b>53,861,414</b>	<b>14,962,208</b>	<b>530,712,999</b>

# COMMUNITY DEVELOPMENT

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Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021- FY 2030
Affordable Housing												
Affordable Housing Funding	10,596,200	9,600,000	6,202,000	6,306,000	6,412,000	6,520,000	6,630,000	6,743,000	6,858,000	6,975,000	7,095,000	69,341,000
Affordable Housing Total	10,596,200	9,600,000	6,202,000	6,306,000	6,412,000	6,520,000	6,630,000	6,743,000	6,858,000	6,975,000	7,095,000	69,341,000
City-Wide Amenities												
Gadsby Lighting Fixtures & Poles Replacement	1,360,000	950,000	950,000	950,000	0	84,500	0	89,600	92,300	0	97,900	3,214,300
Office of Historic Alexandria Initiatives	400,483	422,212	47,400	265,200	273,200	168,900	173,900	186,500	0	0	0	1,537,312
Public Art Acquisition	1,810,064	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Public Art Conservation Program	192,500	50,000	51,600	63,900	43,800	56,400	58,000	59,800	73,900	50,800	65,400	573,600
Transportation Signage & Wayfinding System	2,296,000	130,000	141,000	0	0	0	0	0	0	0	0	271,000
City-Wide Amenities Total	6,059,047	1,802,212	1,440,000	1,529,100	567,000	559,800	481,900	585,900	416,200	300,800	413,300	8,096,212
Neighborhood Planning												
Braddock Road Area Plan - Streetscape Improvements	722,564	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	450,000
Development Studies	1,625,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
EW & LVD Implementation - Developer Contributions Analysis	100,000	0	0	0	0	0	0	0	0	0	0	0
EW & LVD Implementation - Infrastructure Plan	500,000	0	0	0	0	0	0	0	0	0	0	0
Waterfront Small Area Plan Implementation (w/ Construction Funding)	18,443,000	30,500,000	71,500,000	0	0	0	0	0	0	0	0	102,000,000
Neighborhood Planning Total	21,390,564	30,795,000	71,795,000	295,000	295,000	295,000	295,000	295,000	295,000	295,000	295,000	104,950,000
Public Safety Enhancements												
Citywide Street Lighting	1,785,501	875,000	25,800	26,600	27,400	28,200	29,000	29,900	30,800	31,700	32,700	1,137,100
Fire Department Vehicles & Apparatus	18,153,727	611,924	3,019,600	1,867,700	499,100	2,267,200	529,500	2,102,100	3,789,000	3,350,300	2,781,200	20,817,624
Fire Hydrant Maintenance Program	0	350,000	360,500	371,400	382,500	394,000	289,900	298,600	307,500	316,700	326,200	3,397,300
Police Body Worn Cameras	0	0	TBD	0	0	0	0	0	0	0	0	0
Public Safety Enhancements Total	19,939,228	1,836,924	3,405,900	2,265,700	909,000	2,689,400	848,400	2,430,600	4,127,300	3,698,700	3,140,100	25,352,024
Waterways Maintenance & Improvements												
Environmental Restoration	1,271,049	283,460	167,000	301,000	185,000	322,000	209,000	346,000	233,000	345,000	260,000	2,651,460
Oronoco Outfall Remediation Project	10,491,505	450,000	2,500,000	0	0	0	0	0	0	0	0	2,950,000
Stream Valley Design Guidelines	0	250,000	0	0	0	0	0	0	0	0	0	250,000
Waterways Maintenance & Improvements Total	11,762,554	983,460	2,667,000	301,000	185,000	322,000	209,000	346,000	233,000	345,000	260,000	5,851,460
<b>Grand Total</b>	<b>69,747,593</b>	<b>45,017,596</b>	<b>85,509,900</b>	<b>10,696,800</b>	<b>8,368,000</b>	<b>10,386,200</b>	<b>8,464,300</b>	<b>10,400,500</b>	<b>11,929,500</b>	<b>11,614,500</b>	<b>11,203,400</b>	<b>213,590,696</b>

### AFFORDABLE HOUSING

DOCUMENT SUBSECTION: Affordable Housing  
 MANAGING DEPARTMENT: Office of Housing

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: Affordable Housing  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 1: Distinctive & Vibrant Neighborhoods

#### Affordable Housing Funding

	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	79,937,200	10,596,200	9,600,000	6,202,000	6,306,000	6,412,000	6,520,000	6,630,000	6,743,000	6,858,000	6,975,000	7,095,000	69,341,000
Financing Plan													
Cash Capital	15,200,000	1,700,000	4,500,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	13,500,000
Meals Tax Dedication for Afforda	64,737,200	8,896,200	5,100,000	5,202,000	5,306,000	5,412,000	5,520,000	5,630,000	5,743,000	5,858,000	5,975,000	6,095,000	55,841,000
Financing Plan Total	79,937,200	10,596,200	9,600,000	6,202,000	6,306,000	6,412,000	6,520,000	6,630,000	6,743,000	6,858,000	6,975,000	7,095,000	69,341,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

#### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect latest revenue estimate for the 1% meals tax dedicated for Affordable Housing. Funding in the amount of \$3.5 million added in FY 2021 to repay the CY 2019 bridge loan from fund balance for the acquisition of the Avana Apartment complex.

#### PROJECT DESCRIPTION & JUSTIFICATION

As part of the Approved FY 2019 Operating Budget and FY 2019 – FY 2028 CIP, City Council approved a one percent increase in the restaurant meals tax (from 4% to 5%), to be dedicated to providing funding for Affordable Housing projects. The CIP continues this allocation of dedicated funding for affordable through the meals tax. Over the 10-year CIP, this dedicated funding source will provide \$55.8 million in cash funding for Affordable Housing projects. In November 2019, City Council approved a \$3.5 million bridge loan of fund balance for Alexandria Housing Development Corporation’s (AHDC) acquisition of the Avana Apartment complex. The Proposed CIP includes an additional \$3.5 million for Affordable Housing to repay this bridge loan.

Additionally, as part of Northern Virginia’s efforts to attract the Amazon HQ2 campus, the City continues to be committed to an additional \$1 million per year of support to Affordable Housing initiatives in Alexandria. Over the 10-year CIP, this commitment will provide an additional \$10 million in cash funding for Affordable Housing projects.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## GADSBY LIGHTING FIXTURES & POLES REPLACEMENT

DOCUMENT SUBSECTION: City-Wide Amenities  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Old Town  
 REPORTING AREA: Old Town

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 21 - 25 Years

Gadsby Lighting Fixtures & Poles Replacement													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	4,574,300	1,360,000	950,000	950,000	950,000	0	84,500	0	89,600	92,300	0	97,900	3,214,300
Financing Plan													
Cash Capital	3,624,300	410,000	950,000	950,000	950,000	0	84,500	0	89,600	92,300	0	97,900	3,214,300
GO Bond Interest Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	950,000	950,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	4,574,300	1,360,000	950,000	950,000	950,000	0	84,500	0	89,600	92,300	0	97,900	3,214,300
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No significant changes from previous CIP. Out year replacement costs now reflect cost escalation.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding to replace existing fixtures Gadsby fixtures and poles located in Old Town.

FY 2021 is the second year of a four-year program to replace all existing Gadsby Streetlights throughout Old Town with new streetlight poles and new streetlight fixtures. These new fixtures utilize LED technology instead of older incandescent or high-pressure sodium (HPS) technology that was previously utilized. The replacement Gadsby Streetlight is approved by the Old and Historic District Board of Architectural Review for appropriateness, and has recently been utilized in Waterfront Park, Windmill Hill Park, and in new developments within the Historic District, such as Robinson Landing on South Union Street. The majority of the existing Gadsby Streetlights have reached the end of their useful life and require replacement.

In addition to providing funds for replacement of existing Gadsby Poles, this project will supply replacement poles and fixtures on an as needed basis, usually as a result of damage from vehicle accidents or vandalism.

The City is required to keep an inventory in stock for replacement of existing poles and fixtures, which will be minimized with the total replacement currently underway that will continue through FY 2023, when all poles will be replaced.

Replacement of these capital assets will help work towards ensuring safe and accessible travel for pedestrians, bicyclist, transit and motorists, and enhances the vitality and economic success of the City Waterfront and King Street corridor.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Waterfront Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## OFFICE OF HISTORIC ALEXANDRIA INITIATIVES

DOCUMENT SUBSECTION: City-Wide Amenities  
 MANAGING DEPARTMENT: Office of Historic Alexandria

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 1: Distinctive & Vibrant Neighborhoods

Office of Historic Alexandria Initiatives													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,937,795	400,483	422,212	47,400	265,200	273,200	168,900	173,900	186,500	0	0	0	1,537,312
Financing Plan													
Cash Capital	1,937,795	400,483	422,212	47,400	265,200	273,200	168,900	173,900	186,500	0	0	0	1,537,312
Financing Plan Total	1,937,795	400,483	422,212	47,400	265,200	273,200	168,900	173,900	186,500	0	0	0	1,537,312
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for Historic Ship Stabilization and purchase of Siege Rifle Gun Carriage replacement. Funding added in outyears for fabrication and installation of signage and other interpretive elements of Waterfront History Plan.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for investments in the City's historic assets, including planning for future preservation of assets, and efforts to display and communicate the City's historic value through objects and structures in public spaces. The 10-year plan includes funding for the following initiatives:

- **Historic Ship Stabilization (FY 2021: \$268,212)** – this funding will be used to prepare, transport, and place the remains of historic wooden ships, which are presently stored in the former City bus garage, to a more stable interim condition (in an anaerobic environment – either underground or submerged in water) after they have been adequately documented.
- **Waterfront History Plan (FY 2021 – FY 2027: \$1,226,300)** – this funding will develop a formal history interpretative plan for the Waterfront area. The plan will likely identify future investments (i.e. historical interpretation signage/wayfinding, etc.) that could be implemented in conjunction with the larger Waterfront Small Area Plan Implementation project.
- **Siege Rifle Gun Carriage (FY 2021: \$29,000)** – this funding will be used for the replacement of a deteriorated reproduction wooden 4.5 siege rifle gun carriage in the restored Northwest bastion of the historic Fort Ward with a wood-grain cast aluminum model that is designed for outdoor display and greater longevity.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Waterfront History Plan (Appendix 6) adopted by as part of the Waterfront Small Area Plan by City Council, January 21, 2012.

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## PUBLIC ART ACQUISITION

DOCUMENT SUBSECTION: City-Wide Amenities  
 MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

Public Art Acquisition													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	4,310,064	1,810,064	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Financing Plan													
Cash Capital	3,550,000	1,050,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
GO Bond Interest Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	250,000	250,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	510,064	510,064	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	4,310,064	1,810,064	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect City funding only. Recent experiences of developer contributions of Public Art have typically been in-kind donations and do not require additional appropriation authority.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides an annual funding stream for the commission and/or purchase of original works of public art for placement in public spaces throughout the City based on the process and goals outlined in the City Council approved Public Art Implementation Plan and Policy (2014). This award-winning program integrates works of art into other City projects such as Lake Cook and Simpson Park Playground, or through independent projects such as Waterfront Park and the traffic box wraps. Each year the Office of the Arts, in collaboration with various City departments and Commissions, develops a 3-year workplan to identify locations and budget allocations for public art throughout the City based on the proposed funding levels outlined in the approved Policy. Public Art supports four different areas of the City's Strategic Plan: Distinctive and Vibrant Neighborhoods; Flourishing Arts, Culture and Recreation; Strong Economy; and Thriving Children and Youth.

Upcoming FY 2021 projects include:

- Infrastructure Projects: Develop artist-designed infrastructure and/or art installations in focused areas of the street network throughout Alexandria.
- Waterfront Park: Commission destination public art projects in the new interim portion of Waterfront Park.
- Time & Place: Commission artists to develop installations in Office of Historic Alexandria sites that use the resources of the City's historical sites and collection to explore various facets of Alexandria's history.
- The Conservatory at Four Mile Run Park

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013); The Public Art Implementation Plan and Policy (December, 2014)(the Public Art Policy was previously approved in October, 2012); Public Art Acquisition has also been noted in numerous Small Area Plans throughout the city as well as other plans such as the Citywide Park Improvement Plan (2014), Waterfront Plan, Beauregard Small Area Plan, Braddock Small Area Plan, Braddock East Small Area Plan, Old Town North, and Landmark/Van Dorn Small Area Plan. The acquisition of public art for the City of Alexandria is supported by the Alexandria Commission for the Arts.

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## PUBLIC ART CONSERVATION PROGRAM

DOCUMENT SUBSECTION: City-Wide Amenities  
 MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Public Art Conservation Program													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	766,100	192,500	50,000	51,600	63,900	43,800	56,400	58,000	59,800	73,900	50,800	65,400	573,600
Financing Plan													
Cash Capital	766,100	192,500	50,000	51,600	63,900	43,800	56,400	58,000	59,800	73,900	50,800	65,400	573,600
Financing Plan Total	766,100	192,500	50,000	51,600	63,900	43,800	56,400	58,000	59,800	73,900	50,800	65,400	573,600
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides an annual funding stream for the conservation and maintenance of the City's public art collection to ensure the long-term preservation, viability, and safety of the City's art investments. Conservation and maintenance activities include examination, documentation, cleaning, restoration/repair, relocation, and stabilization.

In FY 2019, the Department of Recreation, Parks and Cultural Activities hired a professional conservator (consultant) to examine existing public artwork in need of conservation. Using the findings of the conservation assessment, a comprehensive maintenance plan was developed outlining prioritized conservation/preservation needs, including costs. Funding in FY 2021 addresses assets identified in poor condition or unsafe and provides for emergency repairs not identified in the report. Annual funding provides for regular capital maintenance for public art, thereby reducing costs associated with deferred maintenance. A vibrant public art collection increases visitor spending, creates distinctive, attractive and amenity-rich neighborhoods and will increase resident satisfaction with the appearance of their City. Past projects include work at the Freedmen's Cemetery, Rocky Versace Memorial and the War Memorial at Union Station to highlight a few.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013); Public Art Conservation Assessment (2019); Public Art Implementation Plan (approved by City Council 12/2014); Citywide Arts and Culture Plan and Policy (approved by City Council 12/2016); Maintenance of the City's public art collection is supported by the Alexandria Commission for the Arts.

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Public Art Conservation Program (continued)

Public Art Conservation Program FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
King Street Gardens Park Improvements	\$45,000
Emergency Projects	\$5,000
<b>Total Fiscal Year 2021</b>	<b>\$50,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
King Street Gardens Park Improvements	\$45,000
Emergency Projects	\$6,600
<b>Total Fiscal Year 2022</b>	<b>\$51,600</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Shipbuilder Renovation	\$47,000
Public Art Condition Assessment	\$10,500
Emergency Projects	\$6,400
<b>Total Fiscal Year 2023</b>	<b>\$63,900</b>

## TRANSPORTATION SIGNAGE & WAYFINDING SYSTEM

DOCUMENT SUBSECTION: City-Wide Amenities  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

Transportation Signage & Wayfinding System													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,567,000	2,296,000	130,000	141,000	0	0	0	0	0	0	0	0	271,000
Financing Plan													
Cash Capital	2,296,000	2,296,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	271,000	0	130,000	141,000	0	0	0	0	0	0	0	0	271,000
Financing Plan Total	2,567,000	2,296,000	130,000	141,000	0	0	0	0	0	0	0	0	271,000
Additional Operating Impact	145,000	0	0	5,000	50,000	5,000	5,000	5,000	5,000	5,000	5,000	60,000	145,000

### CHANGES FROM PRIOR YEAR CIP

Project funding planned for Phase 6 & 7 has been reduced by \$402,000.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for the comprehensive design of a signage, wayfinding, and identification system that will project a consistent image for the entire City, reduce clutter, promote walking and mass transit, and be sustainable and expandable. A well-designed and implemented wayfinding program will increase identification of key sites and attractions, including parking, and support the City's goals of orienting and informing visitors and residents, motivating them to visit historic sites, and making the navigation of the City easier.

Work sessions with the City Council, Planning Commission, and the Board of Architectural Review were held in January 2009. The design phase of this project was approved in FY 2010. Implementation began in FY 2011 with Phase 1, and remaining phases are occurring over time as funding becomes available. Implementation involves the fabrication and installation of the wayfinding signs and will be coordinated with the implementation of the Braddock Road, King Street, Mt. Vernon Avenue, Arlandria, Waterfront, Beauregard, Potomac Yard, and Landmark/Van Dorn plans. In order to distribute the cost of the wayfinding program over multiple years, a phased approach has been, and will continue to be, utilized.

(Continued on next page)

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City of Alexandria Wayfinding System Design Guidelines Manual approved by Planning Commission, September 2010

#### ADDITIONAL OPERATING IMPACTS

Funding for ongoing minor maintenance, which consists of touching up the signs with touch-up paint and removal of graffiti or stickers attached to the signs.

## Transportation Signage & Wayfinding System (continued)

The completed and planned project implementation schedule, including estimated cost and timeline for completion, is as follows:

- Phase 1 - Parking signs in Old Town (\$100,000, FY 2010) – Completed original plans. Six additional signs added in Spring 2019 (\$200,000, FY 2017)
- Phase 2 - Old Town visitor kiosks, pedestrian pointers (\$295,000, FY 2013) – Fabrication and installation completed in winter 2016
- Phase 3a - Vehicular signs for primary routes (\$225,000, FY 2014 –FY 2016) – Fabrication and installation completed in December 2017
- Phase 3b – Metro station visitor kiosks, highway signs, freestanding interpretive panels (\$200,000, FY 2017) – Fabrication and installation completed in spring 2019
- Phase 4 - City gateways, parking signs (non-Old Town), vehicular signs for secondary routes, shared use trail signs, destination identification signs (\$515,000, FY 2018) - Contract for design and fabrication in summer 2020, installation in spring 2021
- Phase 5 - Destination Identification signs (City attractions/parks/civic-double post), vehicular signs for secondary routes (\$361,000, FY 2019) – Contract for design and fabrication in spring 2020, installation in fall 2020
- Phase 6 - Destination Identification signs (City parks/civic-single post) (\$130,000, FY 2021)
- Phase 7 - District markers (\$141,000, FY 2022)

In addition to the above phases, the pedestrian-oriented wayfinding signage project was implemented in the central business district along King Street starting in summer 2017 and was implemented in the Cameron Station business district in 2019.

## BRADDOCK ROAD AREA PLAN - STREETSCAPE IMPROVEMENTS

DOCUMENT SUBSECTION: Neighborhood Planning  
 MANAGING DEPARTMENT: Department of Planning and Zoning

PROJECT LOCATION: Braddock Metro Area  
 REPORTING AREA: Braddock Road Metro

PRIMARY STRATEGIC THEME: Theme 1: Distinctive & Vibrant Neighborhoods

PROJECT CATEGORY: 2  
 ESTIMATE USEFUL LIFE: 21 - 25 Years

Braddock Road Area Plan - Streetscape Improvements													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,172,564	722,564	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	450,000
Financing Plan													
Cash Capital	834,000	384,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	450,000
Prior Capital Funding	338,564	338,564	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,172,564	722,564	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	450,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will provide funding to assist in the implementation of the Braddock Metro Neighborhood and Braddock East Plans to be funded by City and developer contributions for community amenities. Potential improvements include, but are not limited to, new street furniture, improved sidewalks, new lighting, new plantings and other streetscape improvements. The first streetscape project identified by the Braddock Implementation Advisory Group (BIAG) and the City was on Fayette Street between Queen Street and Oronoco Street. The Fayette Streetscape Project was determined to be the highest priority during a walking tour and survey held by BIAG in summer 2014. T&ES developed alternatives for the streetscape project. Once the preferred alternative was selected, concept development was initiated. The BIAG recommended the streetscape plan in January 2015, and construction was completed in fall 2019.

Overall City investment in the Braddock Area Plan Implementation for streetscape improvements is likely to exceed the amount currently programmed. More detailed cost estimates will be developed for future streetscape projects in the Plan area once they are identified and brought forward for consideration. As developer contributions are received or committed in future years, they will be programmed into the Capital Improvement Program. Completion of these capital infrastructure improvements will promote quality economic development by improving the livability and physical appearance of areas designated for redevelopment.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Braddock Road Area Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## DEVELOPMENT STUDIES

DOCUMENT SUBSECTION: Neighborhood Planning  
 MANAGING DEPARTMENT: Department of Planning and Zoning; Transportation & Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

Development Studies													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	4,125,000	1,625,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Financing Plan													
Cash Capital	3,625,000	1,125,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
GO Bonds	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	250,000	250,000	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fund	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fund	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	4,125,000	1,625,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for FY 2021 – FY 2030 in anticipation of future feasibility, planning, and design efforts to support the City’s Master Plan and Small Area Plans.

### PROJECT DESCRIPTION & JUSTIFICATION

The development studies project is the parent project for various studies undertaken by the City to begin feasibility, planning and design work to implement or support small area plans that have either been adopted or are in the process of being developed by the City. Past studies have included Eisenhower West & Landmark Van Dorn (EW & LVD) Air Quality Analysis, EW & LVD Developer Contributions Analysis, and EW & LVD Infrastructure Plan.

For FY 2021, the Development Studies project includes the following initiative:

- FY 2021 Master Plan Updates (\$250,000)** – this funding will be used for updates to the City’s Master Plan through development of a Small Area Plan and/or possible updates to existing Small Area Plans. The specific work will be determined by the City Council in its FY 2021 Long-Range Planning Interdepartmental Planning Work Program (LRIPWP). The funding will be used for community outreach and engagement, redevelopment feasibility analyses, financial analyses, and developer contribution analyses related to work under the City’s Master Plan.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Various adopted plans.

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## WATERFRONT SMALL AREA PLAN IMPLEMENTATION

DOCUMENT SUBSECTION: Neighborhood Planning  
 MANAGING DEPARTMENT: Department of Project Implementation

PROJECT LOCATION: Alexandria Waterfront  
 REPORTING AREA: Waterfront

PRIMARY STRATEGIC THEME: Theme 6: Strong Economy

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

Waterfront Small Area Plan Implementation (w/ Construction Funding)													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	120,443,000	18,443,000	30,500,000	71,500,000	0	0	0	0	0	0	0	0	102,000,000
Financing Plan													
Cash Capital	10,323,000	5,323,000	5,000,000	0	0	0	0	0	0	0	0	0	5,000,000
GO Bonds	109,575,000	12,575,000	25,500,000	71,500,000	0	0	0	0	0	0	0	0	97,000,000
Prior Capital Funding	545,000	545,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	120,443,000	18,443,000	30,500,000	71,500,000	0	0	0	0	0	0	0	0	102,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding amount increased to reflect further scope refinement, further design development, and market drivers.

### PROJECT DESCRIPTION & JUSTIFICATION

This funding supports the design and construction efforts to facilitate implementation of the infrastructure included in the City Council approved Waterfront Small Area Plan, and prioritized through community engagement processes, including flood mitigation.

Projected construction costs have increased due further scope refinement, further design development, and market drivers. Cost estimates have been escalated to anticipated mid-construction date. The most significant changes were due to more detailed design for stormwater and pumping system, structural bulkhead, and electrical infrastructure.

The CIP budget request is at 75% of the current cost estimate. The design-build process will include alternatives analysis and further cost development to facilitate a firm budget. It is anticipated that the CIP budget request will be further refined.

Although funding authorization is placed in FY 2021 & FY 2022, to allow for a contract award, actual cash flow will occur over a multi-year period.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Windmill Hill Park Master Plan; 2012 Waterfront Small Area Plan; Union Street Corridor Study

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## CITYWIDE STREET LIGHTING

DOCUMENT SUBSECTION: Public Safety Enhancements  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

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

Citywide Street Lighting													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	2,922,601	1,785,501	875,000	25,800	26,600	27,400	28,200	29,000	29,900	30,800	31,700	32,700	1,137,100
Financing Plan													
Cash Capital	2,508,250	1,371,150	875,000	25,800	26,600	27,400	28,200	29,000	29,900	30,800	31,700	32,700	1,137,100
GO Bond Interest Earnings	125,000	125,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	75,000	75,000	0	0	0	0	0	0	0	0	0	0	0
Prior Capital Funding	204,023	204,023	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	10,328	10,328	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,922,601	1,785,501	875,000	25,800	26,600	27,400	28,200	29,000	29,900	30,800	31,700	32,700	1,137,100
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This program provides funding for the addition of new street lighting citywide. Installation of new lights helps address deficiencies in areas where pedestrian safety may be a concern and/or the Alexandria Police Department requests new lights. The program objective is to increase the safety of residents and to aid in crime prevention activities.

Projects are evaluated on a case-by-case basis. In some cases, increasing the wattage on existing streetlights is sufficient, while in others, lights are added to existing poles, or both poles and lights are added.

Implementing this project will help work towards ensuring safe and accessible travel for pedestrians, bicyclists, transit and motorists on Complete Streets with design and implementation that is context-sensitive and that contributes to the City's Vision Zero goals.

In addition, in FY 2021, \$850,000 in funds will upgrade existing street lighting fixtures Citywide with LED technology. This funding will allow for LED technology to be implemented in the remaining 5,000 Dominion maintained streetlights located within the public right-of-way that have not yet been retrofitted. To date, over 4,000 Dominion maintained fixtures have been retrofitted to LED or are currently in the process of being retrofitted to LED.

LED streetlights have many advantages over traditional streetlight technology, including greater efficiency when compared to existing mercury vapor and high-pressure sodium (HPS) streetlights, more uniform light distribution, and lower life-cycle maintenance costs. Based on the ongoing energy savings of the LED fixtures, the payback period (amount of time required to recoup the upfront upgrade costs via energy savings) for the cobrahead streetlights is now approximately 8 years, and the payback period for Carlyle streetlights is approximately 3 years.

Full implementation of LED technology will significantly reduce the City's streetlight energy consumption and will help further the City's Vision Zero and Eco-City goals. The upgrade to LED streetlight technology is a goal in the City's Environmental Action Plan and will improve safety at high-crash locations as identified in priority action items in the Vision Zero plan.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## FIRE DEPARTMENT VEHICLES & APPARATUS

DOCUMENT SUBSECTION: Public Safety Enhancements  
 MANAGING DEPARTMENT: Fire Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

Fire Department Vehicles & Apparatus													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	38,971,351	18,153,727	611,924	3,019,600	1,867,700	499,100	2,267,200	529,500	2,102,100	3,789,000	3,350,300	2,781,200	20,817,624
Financing Plan													
GO Bonds	37,384,091	16,566,467	611,924	3,019,600	1,867,700	499,100	2,267,200	529,500	2,102,100	3,789,000	3,350,300	2,781,200	20,817,624
Prior Capital Funding	1,587,260	1,587,260	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	38,971,351	18,153,727	611,924	3,019,600	1,867,700	499,100	2,267,200	529,500	2,102,100	3,789,000	3,350,300	2,781,200	20,817,624
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

In FY 2012, the City approved a plan to begin replacing the Fire Department's fleet through the use of debt financing. The plan was designed as a 10-year plan and accelerated vehicle purchases through debt financing and then repaying the costs from the vehicle and equipment replacement fund. As a result of this plan, the City was able to catch up on its equipment replacement needs. It is planned to convert back to cash financing of fire equipment replacement in the next few years, as debt financing vehicle replacement is not considered a best practice.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

The Fire Department's apparatus committee has approved a strategic vehicle replacement plan.

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## FIRE HYDRANT MAINTENANCE PROGRAM

DOCUMENT SUBSECTION: Public Safety Enhancements  
 MANAGING DEPARTMENT: Fire Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

Fire Hydrant Maintenance Program													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	3,397,300	0	350,000	360,500	371,400	382,500	394,000	289,900	298,600	307,500	316,700	326,200	3,397,300
Financing Plan Cash Capital	3,397,300	0	350,000	360,500	371,400	382,500	394,000	289,900	298,600	307,500	316,700	326,200	3,397,300
Financing Plan Total	3,397,300	0	350,000	360,500	371,400	382,500	394,000	289,900	298,600	307,500	316,700	326,200	3,397,300
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The fire hydrant maintenance program keeps over 3,000 fire hydrants Citywide in service. This program provides funding to replace end of life and damaged fire hydrants, as well as establish a preventative maintenance schedule to minimize the number of preventable out of service hydrants. Having a readily accessible, reliable water source in the event of a fire is critical to effective fire suppression. Fire hydrants may be out of service for a variety of reasons, including being struck by errant vehicles, or a water leak from the hydrant or hydrant valve. Current hydrant maintenance is funded through the operating budget; moving this funding to the CIP allows for better planning of the asset replacement cycle.

The City keeps current a list of out of service fire hydrants which is closely coordinated with the fire department. Currently, an average of 30-40 fire hydrants Citywide are out of service at any given time. Based on prior year funding levels and completed preventative maintenance work, approximately 25% of hydrants are outside of their recommended 5-year preventative maintenance window and are overdue to have preventative maintenance performed. Average funding levels over the past 5 years have not been sufficient to sustain a comprehensive preventative maintenance program. If additional funding is not identified, the average number of fire hydrants out of service is likely to increase, decreasing the overall fire response capabilities in areas of the City where a hydrant is out of service.

In the first three years, funding is proposed to perform preventative maintenance on 20% of existing hydrants in each fiscal year. In addition, due to deferred maintenance, \$100,000 in additional funding per year is proposed to replace key wear components that would not typically be replaced during the preventative maintenance cycle and to account for additional repairs expected to be identified during the preventative maintenance work.

Years 4 and 5 include funding to perform preventative maintenance on 20% of existing hydrants in each fiscal year at an elevated level of preventative maintenance, consistent with Years 1 - 3. Years 6 - 10 assume all hydrants have been returned to a state of good repair, with lower costs for preventative maintenance.

The City considered transferring this responsibility to Virginia American Water (VAW), but the cost of capital of VAW and their expected return on investment (ROI) made such a transfer not in the economic interest of Alexandria tax and rate payers.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## POLICE BODY-WORN CAMERAS

DOCUMENT SUBSECTION: Public Safety Enhancements  
 MANAGING DEPARTMENT: Police Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: TBD

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

Police Body Worn Cameras													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	0	0	0	TBD	0	0	0	0	0	0	0	0	0
Financing Plan													
General Cash or Bonds	0	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The City is currently studying the cost and efficacy of Body-Worn Camera equipment for Police Officers. Body-worn camera systems are generally used to achieve the following:

- Documentation of law enforcement-public contacts, arrests, and critical incidents;
- Enhancement of law enforcement reports and courtroom testimony;
- Documentation of crime and accident scenes or other events that include confiscation and documentation of evidence and contraband;
- Supervisor review and evaluation of reasonable suspicion, probable cause for arrest, officer/deputy and suspect interaction, and evidence for investigative and prosecutorial purposes;
- Identifying and correcting internal agency issues (i.e. tactics, communication, policy compliance, customer service, officer safety, etc.); and
- Enhance law enforcement training.

Given the significant operating costs of this new program per year, body worn cameras have not been funded but will be studied to determine if they should be required and deployed.

The City continues to study this issue to ensure, when body worn cameras are funded, that the Police Department, Commonwealth’s Attorney, and City Attorney’s Office all establish and follow best practices in the use of body worn cameras, training on the use of body worn cameras and management and retention of recorded content. Additionally, the City is awaiting State legislation that will provide guidance on the management and the storage retention period in regard to video content from body worn cameras.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

Implementation of body worn cameras would require significant annual staffing and data storage costs.

## ENVIRONMENTAL RESTORATION

DOCUMENT SUBSECTION: Waterways Maint. & Imprv.  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 2  
 ESTIMATE USEFUL LIFE: Varies

Environmental Restoration													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	3,922,509	1,271,049	283,460	167,000	301,000	185,000	322,000	209,000	346,000	233,000	345,000	260,000	2,651,460
Financing Plan													
Cash Capital	1,270,265	670,265	125,000	0	125,000	0	125,000	0	125,000	0	100,000	0	600,000
Environmental Restoration Funds	80,000	80,000	0	0	0	0	0	0	0	0	0	0	0
Prior Capital Funding	76,520	76,520	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	238,772	238,772	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fund	780,134	102,844	52,290	55,000	58,000	61,000	65,000	69,000	73,000	77,000	81,000	86,000	677,290
Stormwater Utility Fund	728,614	51,324	52,290	55,000	58,000	61,000	65,000	69,000	73,000	77,000	81,000	86,000	677,290
TIP	748,204	51,324	53,880	57,000	60,000	63,000	67,000	71,000	75,000	79,000	83,000	88,000	696,880
Financing Plan Total	3,922,509	1,271,049	283,460	167,000	301,000	185,000	322,000	209,000	346,000	233,000	345,000	260,000	2,651,460
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No significant changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This program provides for various projects within the City that will enhance local water quality and eventually the water quality of the Chesapeake Bay. The City's local, more stringent requirement in the Environmental Management Ordinance requires stormwater treatment from all impervious area for development/redevelopment within the City. The City's local, more stringent requirement in the Environmental Management Ordinance requires stormwater treatment from all impervious area for development/redevelopment within the City. In circumstances where required stormwater treatment is not feasible because of site constraints, fees are collected in the form of developer contributions in lieu of providing stormwater treatment. Additionally, with the recent Council adoption of the Environmental Action Plan (EAP) 2040, this project funds new sustainability projects, as well as fund the Sustainability Coordinator position that City Council added to this project in FY 2017. Funding sources for this position include the Sanitary Special Revenue Fund, Stormwater Utility, and Transportation Improvement Plan.

These fees collected in lieu of water quality improvements or other mitigation required under the City's ordinance from development and redevelopment are used to supplement larger water quality efforts to address City-wide water quality benefits, including the City's water quality requirements under the Chesapeake Bay Total Maximum Daily Load (TMDL). Thus, these funds must be used to improve water quality through projects such as stream restorations, water quality improvement structures for public facilities, wetland enhancements, riparian buffer improvements such as tree plantings and invasive species removal, green infrastructure applications such as green roofs, pervious pavement, bioswales, urban bioretention, etc. City funds are used to supplement the fees collected to implement these larger projects.

Completion of these initiatives will help maintain and improve the quality and sustainability of Alexandria's environment by enhancing the ecological integrity of waterways, maintaining and improving stormwater infrastructure, and enhancing stream system health to minimize environmental impacts. The Sustainability Coordinator oversees implementation of the EAP2040 and associated sustainability initiatives funded through this project by the general fund.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Environmental Management Ordinance Article XIII; Water Quality Management Supplement to the City Master Plan; MS4 Permit and Program Plan; Chesapeake Bay TMDL Action Plan; Strategic Plan; Eco-City Alexandria Charter and Environmental Action Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## ORONOCO OUTFALL REMEDIATION PROJECT

DOCUMENT SUBSECTION:	Waterways Maint. & Imprv.	PROJECT LOCATION:	Oronoco St. from Lee St. to Waterfront
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Waterfront
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	PROJECT CATEGORY:	2
		ESTIMATE USEFUL LIFE:	30+ Years

Oronoco Outfall Remediation Project													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	13,441,505	10,491,505	450,000	2,500,000	0	0	0	0	0	0	0	0	2,950,000
Financing Plan													
Cash Capital	4,246,926	4,246,926	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	300,000	300,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	2,950,000	0	450,000	2,500,000	0	0	0	0	0	0	0	0	2,950,000
GO Bonds (Stormwater)	5,018,074	5,018,074	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	926,505	926,505	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	13,441,505	10,491,505	450,000	2,500,000	0	0	0	0	0	0	0	0	2,950,000
Additional Operating Impact	1,945,000	0	0	150,000	150,000	200,000	210,000	220,000	230,000	245,000	260,000	280,000	1,945,000

### CHANGES FROM PRIOR YEAR CIP

Funding added in FY 2021 and FY 2022.

### PROJECT DESCRIPTION & JUSTIFICATION

The Office of Environmental Quality (a division of Transportation & Environmental Services) continues to actively manage environmental impacts associated with the former 19<sup>th</sup> century City owned manufactured gas plant (used to provide gas to City street lights) that once operated at the corner of North Lee and Oronoco Streets. The plant historically supplied coal-derived manufactured gas for lighting Alexandria and subsequently left residue in the underlying soil and ground water that have been the ongoing source of oily substances evident beneath the observation deck at the end of Oronoco Street.

As a part of the Corrective Action Plan (CAP) undertaken by the City and approved by the Virginia Department of Environmental Quality (VDEQ) through its Voluntary Remediation Program (VRP), the City constructed a bio-remediation system at the foot of Oronoco Street to eliminate the discharge of the oily substances into the Potomac River. This part of the project was completed in July 2013.

Phase II of the project consists of (i) dredging and capping the impacted sediment in the Potomac River around the outfall area; and (ii) evaluating the area within the boundary of the VRP for health impacts.

The dredging and capping project is aimed at mitigating the discharge of petroleum impacted groundwater from the former manufactured gas plant to the subsurface beyond the original site boundaries and into the Potomac River. Since the project was originally scoped and budgeted, the dredge and cap area has increased, as were the pipe relining plans which resulted in increased project costs. This project was successfully completed in April 2018. A verification sediment sampling was conducted in April 2019 that proved the effectiveness of this project.

Another verification sediment sampling is planned for April 2020. The City also engaged another consultant to provide a comprehensive assessment of the project progress, and as a result, long term solutions aimed at accelerating the recovery of the contaminant (coal tar) are being proposed for study in FY 2021 (and implementation in FY 2022). During FY 2020, the City is also developing strategies to complete the VRP requirements that would include a long-term monitoring and maintenance plan and obtain the certificate of completion of this VRP from VDEQ.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eco-City Charter; Environmental Action Plan 2030.

#### ADDITIONAL OPERATING IMPACTS

Funding necessary for contract to maintain the groundwater treatment system and the dredge and cap system.

## STREAM VALLEY DESIGN GUIDELINES

DOCUMENT SUBSECTION: Waterways Maint. & Imprv.

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Recreation, Parks, and Cultural Activities

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 3  
ESTIMATE USEFUL LIFE: Varies

Stream Valley Design Guidelines													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	250,000	0	250,000	0	0	0	0	0	0	0	0	0	250,000
Financing Plan													
Cash Capital	250,000	0	250,000	0	0	0	0	0	0	0	0	0	250,000
Financing Plan Total	250,000	0	250,000	0	0	0	0	0	0	0	0	0	250,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This multifaceted project will provide design guidelines and a vision for the stream valleys in Alexandria, recognizing these corridors for their potential, not just as waterways, but also as trail connections, recreational opportunities and urban ecological habitats. The guidelines will focus on developing a vision for Backlick Run with a set of principles that could be applied to stream valleys throughout the City. The timing of the plan is particularly important as a guiding document for upcoming development expected along the stream banks in the Eisenhower Corridor. It also supports the ongoing high priority of trails and passive spaces, as continually identified as a top need in the 2011, 2013, 2015, 2017, and 2019 Park and Recreation Needs Assessments.

Currently, private development is occurring in stream valleys, such as Backlick Run, that lacks a cohesive and consistent plan to guide coordination between developers and the City. The result is missed opportunities to restore the City’s waterways in coordination with planning for and incorporating trails, recreation, and urban ecological habitats along stream areas. Design guidelines will identify opportunities for environmental restoration, connected trails and recreation.

The project will include concept level design guidelines for trails, recreation, water access and ecology in stream valley corridors and a case study on Backlick Run.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City’s Strategic Plan (Flourishing Arts, Culture and Recreation, Environmental Sustainability, Healthy Residents, and Multimodal Transportation themes); Small Area Plans, such as Eisenhower East and Eisenhower West; Recreation, Parks and Cultural Activities Strategic Plan (Invest in the Environment) (2018-2023); Eco-City Environmental Action Plan (2018). This project is identified in the Approved FY 2020 Interdepartmental Long-Range Planning Work Program.

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

# RECREATION & PARKS

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Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021- FY 2030
<b>Aquatics Facilities</b>												
Neighborhood Pool Demolition and Conversion	622,259	0	461,000	0	0	0	0	0	0	0	0	461,000
Old Town Pool Renovations	0	0	0	530,500	8,600,000	0	0	0	0	0	0	9,130,500
Public Pools	1,311,114	52,000	53,800	103,100	106,200	109,400	112,500	116,000	123,400	158,500	163,200	1,098,100
<b>Aquatics Facilities Total</b>	<b>1,933,373</b>	<b>52,000</b>	<b>514,800</b>	<b>633,600</b>	<b>8,706,200</b>	<b>109,400</b>	<b>112,500</b>	<b>116,000</b>	<b>123,400</b>	<b>158,500</b>	<b>163,200</b>	<b>10,689,600</b>
<b>Open Space Acquisition &amp; Development</b>												
Open Space Acquisition and Develop.	22,451,863	0	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	6,750,000
<b>Open Space Acquisition &amp; Development Total</b>	<b>22,451,863</b>	<b>0</b>	<b>750,000</b>	<b>750,000</b>	<b>750,000</b>	<b>750,000</b>	<b>750,000</b>	<b>750,000</b>	<b>750,000</b>	<b>750,000</b>	<b>750,000</b>	<b>6,750,000</b>
<b>Park Maintenance &amp; Improvements</b>												
Americans with Disabilities Act (ADA) Requirements	1,523,813	100,000	103,000	106,300	109,400	112,700	116,000	131,500	135,300	139,600	143,600	1,197,400
Athletic Field Improvements (incl. Synthetic Turf)	9,938,875	0	0	13,500,000	2,063,800	770,900	812,300	672,100	1,475,400	1,416,800	727,400	21,438,700
Ball Court Renovations	2,145,313	150,000	154,500	159,200	164,100	169,000	174,000	194,200	203,100	209,200	215,500	1,792,800
Cameron Run Regional Park Feasibility Study	0	100,000	0	0	0	281,400	0	0	0	0	0	381,400
Community Matching Fund	662,741	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
Four Mile Run Park	0	0	0	0	0	1,236,000	566,500	19,570,000	0	0	0	21,372,500
Four Mile Run Park Wetlands Connector Bridge	817,000	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trail Repairs	0	1,000,000	5,000,000	0	0	0	0	0	0	0	0	6,000,000
Park Maintenance Facilities	30,000	0	0	0	0	0	0	0	0	0	0	0
Park Renovations CFMP	5,585,848	416,000	423,600	441,500	454,700	468,400	482,400	547,100	553,600	570,200	587,300	4,944,800
Patrick Henry Turf Fields and Recreation Center	0	0	0	2,363,600	0	0	0	0	0	0	0	2,363,600
Pavement in Parks	1,000,000	200,000	200,000	225,000	240,000	240,000	240,000	275,000	275,000	275,000	275,000	2,445,000
Playground Renovations CFMP	6,479,628	622,000	1,010,400	1,060,300	1,071,900	1,104,100	1,137,200	954,500	983,200	1,012,700	1,043,100	9,999,400
Potomac Yard Park Basketball Court Lights	150,000	0	0	0	0	0	0	0	0	0	0	0
Restroom Renovations	1,110,000	0	0	0	0	0	0	657,700	572,000	686,800	602,000	2,518,500
Soft Surface Trails	1,266,987	120,000	123,700	124,400	131,300	135,300	139,300	143,400	147,700	152,300	156,700	1,374,100
Tree & Shrub Capital Maintenance	5,247,985	219,500	333,800	260,900	356,400	367,100	378,000	430,100	442,800	456,200	469,900	3,714,700
Water Management & Irrigation	1,663,350	128,000	131,900	135,900	140,000	144,300	148,500	167,400	172,400	177,500	182,800	1,528,700
Waterfront Parks CFMP	205,000	50,000	66,000	53,300	54,800	56,500	58,000	65,800	67,700	69,800	71,900	613,800
Windmill Hill Park Improvements	7,459,000	0	496,100	4,700,000	0	0	0	0	0	0	0	5,196,100
<b>Park Maintenance &amp; Improvements Total</b>	<b>45,285,539</b>	<b>3,305,500</b>	<b>8,243,000</b>	<b>23,330,400</b>	<b>4,986,400</b>	<b>5,285,700</b>	<b>4,452,200</b>	<b>24,008,800</b>	<b>5,228,200</b>	<b>5,366,100</b>	<b>4,675,200</b>	<b>88,881,500</b>
<b>Recreation Facility Maintenance</b>												
Chinquapin Recreation Center CFMP	3,270,000	515,700	203,000	203,900	253,200	957,500	340,800	263,000	234,400	646,200	715,300	4,333,000
City Marina Maintenance	1,310,613	45,000	46,400	47,900	49,300	50,800	52,200	77,700	80,000	82,500	84,900	616,700
Proactive Maintenance of the Urban Forest	319,500	106,500	206,000	212,200	218,600	225,200	231,900	238,900	246,000	253,400	261,000	2,199,700
Recreation Centers CFMP	6,715,736	184,100	106,300	177,400	148,500	211,200	1,038,300	1,673,000	1,271,600	2,699,200	4,204,800	11,714,400
<b>Recreation Facility Maintenance Total</b>	<b>11,615,849</b>	<b>851,300</b>	<b>561,700</b>	<b>641,400</b>	<b>669,600</b>	<b>1,444,700</b>	<b>1,663,200</b>	<b>2,252,600</b>	<b>1,832,000</b>	<b>3,681,300</b>	<b>5,266,000</b>	<b>18,863,800</b>
<b>Renovated or New Recreation Facilities</b>												
Braddock Area Plan Park	2,546,207	0	0	0	0	0	0	0	0	0	3,710,800	3,710,800
Citywide Parks Improvements Plan	7,510,971	274,632	0	637,800	0	0	0	500,000	0	1,000,000	500,000	2,912,432
Douglas MacArthur School - Recreation & Parks Programming Space	0	2,000,000	0	0	0	0	0	0	0	0	0	2,000,000
Fort Ward Management Plan Implementation	975,000	170,000	0	150,000	0	200,000	0	200,000	0	200,000	0	920,000
Patrick Henry Recreation Center	7,259,986	0	0	0	0	0	0	0	0	0	0	0
Torpedo Factory Space Programming & Improvements	2,653,175	300,000	445,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	1,145,000
<b>Renovated or New Recreation Facilities Total</b>	<b>20,945,340</b>	<b>2,744,632</b>	<b>445,000</b>	<b>837,800</b>	<b>50,000</b>	<b>250,000</b>	<b>50,000</b>	<b>750,000</b>	<b>50,000</b>	<b>1,250,000</b>	<b>4,260,800</b>	<b>10,688,232</b>
<b>Grand Total</b>	<b>102,231,963</b>	<b>6,953,432</b>	<b>10,514,500</b>	<b>26,193,200</b>	<b>15,162,200</b>	<b>7,839,800</b>	<b>7,027,900</b>	<b>27,877,400</b>	<b>7,983,600</b>	<b>11,205,900</b>	<b>15,115,200</b>	<b>135,873,132</b>

## NEIGHBORHOOD POOL DEMOLITION/CONVERSION

DOCUMENT SUBSECTION: Aquatics Facilities  
 MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation

PROJECT CATEGORY: 2  
 ESTIMATE USEFUL LIFE: 30+ Years

Neighborhood Pool Demolition and Conversion													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,083,259	622,259	0	461,000	0	0	0	0	0	0	0	0	461,000
Financing Plan													
Cash Capital	600,000	600,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	461,000	0	0	461,000	0	0	0	0	0	0	0	0	461,000
Private Capital Contributions	22,259	22,259	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,083,259	622,259	0	461,000	0	0	0	0	0	0	0	0	461,000
Additional Operating Impact	251,300	0	0	0	0	32,800	33,800	34,800	35,800	36,900	38,000	39,200	251,300

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

Neighborhood Pool Demolition/Conversion projects will convert the City's aging neighborhood aquatic facilities that are currently closed or decommissioned into other recreational features. In 2012, RPCA commissioned an Aquatic Facilities Study to create a plan for improving the City's aging aquatic facilities. The study recommended significant changes to the facilities such as Colasanto and Nannie J. Lee Pools which have been closed since 2009. Projects will demolish the existing pools that are closed to the community and convert them into facilities such as interactive fountains, sprayground or other recreational facilities as identified in the Park and Recreational Needs Assessments. This project will eliminate the safety hazards associated with closed, unstaffed pools, and will benefit a broad range of City residents and visitors. The new facilities will be operated similar to the successful interactive fountain at Potomac Yard Park.

Aquatics is consistently identified as an unmet need for residents in Alexandria in the Park and Recreation Needs Assessments. In FY 2020, the Colasanto Pool is anticipated to be designed for an interactive fountain and the Nannie J. Lee Pool is anticipated to be demolished and replaced with a usable condition for other recreational purposes. In FY 2022, the Colasanto Pool will be demolished and the site will be prepared for conversion to an interactive fountain.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Neighborhood Parks Improvement Plan (2016); Park and Recreation Needs Assessment (2013 and 2015); Aquatics Facilities Study (2012); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023)

#### ADDITIONAL OPERATING IMPACTS

The Colasanto interactive fountain is anticipated to have an annual operating cost of approximately \$33,000 beginning in FY2024.

## OLD TOWN POOL RENOVATIONS

DOCUMENT SUBSECTION: Aquatics Facilities  
 MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities

PROJECT LOCATION: 1609 Cameron Street  
 REPORTING AREA: Braddock Road Metro

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 30+ Years

Old Town Pool Renovations													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	9,130,500	0	0	0	530,500	8,600,000	0	0	0	0	0	0	9,130,500
Financing Plan													
GO Bonds	9,130,500	0	0	0	530,500	8,600,000	0	0	0	0	0	0	9,130,500
Financing Plan Total	9,130,500	0	0	0	530,500	8,600,000	0	0	0	0	0	0	9,130,500
Additional Operating Impact	682,800	0	0	0	0	0	0	0	170,700	170,700	170,700	170,700	682,800

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

In 2012, the Department of Recreation, Parks and Cultural Activities commissioned an Aquatic Facilities Study to create a plan for improving the City's aging aquatic facilities. The study recommends renovating the existing outdoor pool in Old Town. This project will provide for a replacement aquatic facility that will enhance the user experience at the Old Town Pool. The 2012 Aquatics Facilities Study recommendation included a medium-sized family aquatic center with an 8-lane 25-yard lap pool, a separate children's area with zero depth entry, a play structure, water slide, and new bathhouse.

The public design process is anticipated to verify the community's aquatic needs at this site and assess the site's context including the neighboring Durant Center and Jefferson Houston Elementary School. The community benefit from this project will be broad as it provides a facility for all age groups and abilities.

Funding for design is planned in FY 2023 and construction is planned in FY 2024.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2013, 2015, 2017, and 2019); Aquatic Facilities Study (2012); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); Old Town Pool Assessment (2016).

#### ADDITIONAL OPERATING IMPACTS

Operating impacts will be determined through the project's design process.

## PUBLIC POOLS

DOCUMENT SUBSECTION: Aquatics Facilities  
 MANAGING DEPARTMENT: Department of Recreation, Parks,  
 and Cultural Activities

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts,  
 Culture & Recreation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Public Pools													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,409,214	1,311,114	52,000	53,800	103,100	106,200	109,400	112,500	116,000	123,400	158,500	163,200	1,098,100
Financing Plan													
Cash Capital	2,265,601	1,167,501	52,000	53,800	103,100	106,200	109,400	112,500	116,000	123,400	158,500	163,200	1,098,100
GO Bond Interest Earnings	49,613	49,613	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	67,000	67,000	0	0	0	0	0	0	0	0	0	0	0
Sale of Property Revenue	27,000	27,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,409,214	1,311,114	52,000	53,800	103,100	106,200	109,400	112,500	116,000	123,400	158,500	163,200	1,098,100
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project includes annual funding for capital maintenance of all indoor and outdoor public swimming pool shells, structures, mechanical and filtration systems, decks, bathhouses, components required by the Aquatics Health Code, and contributing amenities. Annually, public swimming pools are inspected by the Alexandria Health Department for code compliance and required repairs are scheduled.

In FY 2012, the City completed an Aquatic Facilities Study that provided additional information on the scope and priority of types of facilities needed in the future. In August 2016 an updated study and report was completed for Old Town Pool. A similar study of the Rixse Pool at Chinquapin was completed in December 2019. A list of projects to be completed in FY 2021 – 2023 can be found on the next page. However, due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, projects are subject to change.

Maintaining public pools supports City objectives to meet resident expectations and directly supports and enhances well-being, success, and achievement of children, youth and families. City pools also provide quality play spaces to support active lifestyles and acquire life-saving learn to swim skills. In addition, annual maintenance funding maintains the level of service currently provided to pool users, while maintaining the City pools' capital infrastructure in a state of good repair.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Biennial Needs Assessment (2011- 2019);  
 Outdoor Pools Assessment (2002); Open Space Master Plan (2003,  
 Updated 2017); Aquatics Facilities Study (2012); Old Town Pool  
 Assessment (2016); Recreation, Parks and Cultural Activities Statgic  
 Plan (2018-2023); Chinquapin Park Indoor Swimming Pool  
 Evaluation (2019)

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## Public Pools (continued)

## Public Pools FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Chinquapin Pool Replaster and Lane Lines	\$52,000
<b>Total Fiscal Year 2021</b>	<b>\$52,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Pool Pump Reconditioning (all sites)	\$3,000
Replace Lane Lines at Memorial Pool	\$10,000
Chinquapin Locker Room Repairs	\$7,200
Chinquapin Pool Safety and Code Upgrades	\$8,100
Chinquapin Plumbing Repairs	\$4,000
Chinquapin Modulating Float Valve	\$5,000
Chinquapin Low Voltage Automatic Fill Sensor	\$1,200
Emergency Repairs	\$15,300
<b>Total Fiscal Year 2022</b>	<b>\$53,800</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Replace Chinquapin Diving Board	\$30,000
Memorial Pool Staff Office Air Conditioner	\$2,000
Water Chemistry Controller Replacements (all sites)	\$17,000
Memorial Pool Electrical Repairs	\$10,000
Chinquapin Pool UV System Replacement	\$33,000
Emergency Repairs	\$11,100
<b>Total Fiscal Year 2023</b>	<b>\$103,100</b>

## OPEN SPACE ACQUISITION AND DEVELOPMENT

DOCUMENT SUBSECTION: Open Space Acquisition & Development	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 3 ESTIMATE USEFUL LIFE: 30+ Years

Open Space Acquisition and Develop.													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	29,201,863	22,451,863	0	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	6,750,000
Financing Plan													
Cash Capital	10,169,430	9,419,430	0	750,000	0	0	0	0	0	0	0	0	750,000
GO Bonds	17,063,500	11,063,500	0	0	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	6,000,000
Prior Capital Funding	443,893	443,893	0	0	0	0	0	0	0	0	0	0	0
Prior Year CIP/Close-Out	1,314,909	1,314,909	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	23,558	23,558	0	0	0	0	0	0	0	0	0	0	0
Sale of Property Revenue	186,573	186,573	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	29,201,863	22,451,863	0	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	6,750,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recoded as part of the development of the Proposed FY 2021 - FY 2030 CIP. No funding is provided in FY 2021.

### PROJECT DESCRIPTION & JUSTIFICATION

This is an on-going project, which provides for the purchase of and improvements to land for City open space and related facilities. Funding allows the City to proceed with the acquisition of additional open space in accordance with the City’s Open Space Master Plan, City Council’s Strategic Plan, and in conjunction with the implementation of newly and soon to be approved small area plans throughout the City. A 2013 Parks and Recreation Needs Assessment Survey indicated 86% of Alexandrians indicated that it is "very important" or "important" to "purchase land to preserve natural areas, wildlife" and 79% indicate that it is "very important" or "important" to "purchase land to develop passive use neighborhood parks." In 2003, City Council approved a plan (Strategic Master Plan for Open Space, Parks and Recreation) which identified the need to add 100 acres of open space by calendar year 2013. This plan was updated in 2017. Per the 2017 Open Space Update, the City is able to maintain its ratio of 7.3 acres per 1,000 residents with our current land and land promised through small area plans, and demographics until 2025. By then, the population is expected to increase to a point where additional open space must be acquired or dedicated to maintain the goal as the population grows.

To date, the City has purchased 13 acres of open space as relates to the desired addition of 100 acres of open space. An additional 92 acres have been protected through dedications, public access and conservation easements. The City’s partnership with the Northern Virginia Conservation Trust supports additional protection of open space in Alexandria through voluntary conservation easements and land acquisition. In 2020, a newly reinstated Open Space Steering Committee will work with staff to develop an Open Space Policy Plan. This new plan will guide decisions on prioritization of open space sites for acquisition.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

### ADDITIONAL OPERATING IMPACTS

Open Space Master Plan (2003, Updated 2017); Strategic Master Plan for Open Space, Parks and Recreation (2003); Eco-City Environmental Action Plan - Land Use Chapter (2018); Urban Forestry Master Plan (2009)

No additional operating impacts identified at this time.

## AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS

DOCUMENT SUBSECTION: Park Maintenance & Improvements

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 2: Inclusive City

PROJECT CATEGORY: 1  
ESTIMATE USEFUL LIFE: Varies

Americans with Disabilities Act (ADA) Requirements													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,721,213	1,523,813	100,000	103,000	106,300	109,400	112,700	116,000	131,500	135,300	139,600	143,600	1,197,400
Financing Plan													
Cash Capital	2,529,650	1,332,250	100,000	103,000	106,300	109,400	112,700	116,000	131,500	135,300	139,600	143,600	1,197,400
GO Bond Interest Earnings	77,563	77,563	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	114,000	114,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,721,213	1,523,813	100,000	103,000	106,300	109,400	112,700	116,000	131,500	135,300	139,600	143,600	1,197,400
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding to meet Federal ADA requirements for outdoor recreational spaces. Consistent with Federal regulations, new park facilities, and existing park facilities such as playgrounds, restrooms, fields, and passive areas, must be made compliant with current requirements. This project addresses revised regulations implementing Title II (State and Local Government Application) and III (Public Facilities) of the Americans with Disabilities Act of 1990. Compliance is mandatory by Federal Law.

Funding for this project was first included in the FY 2000 - 2005 CIP in response to the United States Access Board’s regulations for playground accessibility. Since that time, funds have been used to create accessible routes to playgrounds, install accessible site furniture, and improve accessible pathways and parking in parks. The City completed the Citywide Parks Improvement Plan and the Neighborhood Parks Improvement Plan. Recommendations for ADA improvements in these plans were used to prioritize FY 2021 - 2023 projects. However, due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Park and Open Space Facilities Prioritization Analysis (2012); Recommended as a priority by the Alexandria Commission for Persons with Disabilities; Citywide Park Improvements Plan (2014); Neighborhood Parks Improvement Plan (2016); Pocket Parks Improvement Plan (2020); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

ADA Requirements (continued)

ADA Requirements FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Luckett Field Access	\$50,000
Powhatan Park Access Improvements	\$50,000
<b>Total Fiscal Year 2021</b>	<b>\$100,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Lee Center Access Improvements	\$51,500
Pocket Parks Access Improvements	\$51,500
<b>Total Fiscal Year 2022</b>	<b>\$103,000</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Beach Park Access Improvements	\$31,900
Stevenson Park Access Improvements	\$42,500
Pocket Parks Access Improvements	\$31,900
<b>Total Fiscal Year 2023</b>	<b>\$106,300</b>

## ATHLETIC FIELD IMPROVEMENTS (INCL. SYNTHETIC TURF)

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 3 ESTIMATE USEFUL LIFE: Varies

Athletic Field Improvements (incl. Synthetic Turf)													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	31,377,575	9,938,875	0	0	13,500,000	2,063,800	770,900	812,300	672,100	1,475,400	1,416,800	727,400	21,438,700
Financing Plan													
Cash Capital	2,792,676	2,792,676	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	28,219,899	6,781,199	0	0	13,500,000	2,063,800	770,900	812,300	672,100	1,475,400	1,416,800	727,400	21,438,700
Prior Capital Funding	165,000	165,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	31,377,575	9,938,875	0	0	13,500,000	2,063,800	770,900	812,300	672,100	1,475,400	1,416,800	727,400	21,438,700
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for the conversion of existing natural turf fields to synthetic turf, the life-cycle replacement of carpets on existing synthetic turf fields, and the renovation of natural athletic fields including re-grading and replacing facilities. Consistent with the Athletic Field Strategy Study approved by City Council in 2009, this project addresses the community need to increase the number of playfields for the growing active youth and adult populations. In FY 2023, funding will implement improvements to the two natural turf diamond fields at Eugene Simpson Stadium Park (including regrading, a new irrigation system, and replacement of ancillary facilities, like the bleachers and storage structure) per the 2014 Citywide Parks Improvements Plan.

A fields study was completed in 2009 to identify future projects. Subsequently, in 2012, the Youth Sports Advisory Board provided input through a workshop to help prioritize field projects. Concept plans for the fields at Joseph Hensley Park, Four Mile Run Park, Eugene Simpson Stadium Park, Ben Brenman Park, and Chinquapin Park were adopted in 2014 through the Citywide Parks Improvement Plan. An update of the Athletic Field Master Plan is in progress and anticipated to be complete in 2020.

Design and engineering will be completed for individual projects as needed within the project's fiscal year. Synthetic field conversions improve the quality of the natural environment by reducing the amount of chemicals and petroleum needed for field maintenance and reducing emissions. Synthetic turf fields create year-round playing surfaces that increase the window of potential field rentals from eight to twelve months a year, reduce environmental impacts, and lower operating costs. Athletic field renovations support the well-being of children, youth and families by providing safe and reliable play spaces that promote active lifestyles.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Youth Sports Advisory Board Fields Exercise (2012); Field Report Update - Diamond Fields Study (2015); Athletic Field Strategy Study (2009); Strategic Master Plan for Open Space, Parks and Recreation (2003, Updated 2017)); Citywide Parks Improvements Plan (2014); Neighborhood Parks Improvements Plan (2016)

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## BALL COURT RENOVATIONS

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 1 ESTIMATE USEFUL LIFE: Varies

Ball Court Renovations													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	3,938,113	2,145,313	150,000	154,500	159,200	164,100	169,000	174,000	194,200	203,100	209,200	215,500	1,792,800
Financing Plan													
Cash Capital	1,053,500	1,053,500	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	2,884,613	1,091,813	150,000	154,500	159,200	164,100	169,000	174,000	194,200	203,100	209,200	215,500	1,792,800
Financing Plan Total	3,938,113	2,145,313	150,000	154,500	159,200	164,100	169,000	174,000	194,200	203,100	209,200	215,500	1,792,800
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

The City is responsible for the upkeep of 51 public tennis, multi-purpose, and basketball courts throughout Alexandria. These courts are heavily used by residents for general play, classes, programs, and special events. In addition, courts throughout the City are used by Alexandria City Public Schools (ACPS) and rented by neighborhood private schools. Courts are maintained and renovated on a regular schedule. Renovations include patching or replacing surfaces, drainage work, fencing, grading, light repair/replacement and color coating. In 2011, an engineering analysis of structural and component lighting systems of ball field, tennis, and sport field light poles was performed and provided priorities for their replacement and repair. A prioritized list of projects is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change. Projects within Ball Court Renovations are at various stages of planning and design. Full engineering, where required, is scheduled for projects in their respective fiscal year.

This project will enhance recreational courts, thereby supporting healthy lifestyles. Annual maintenance funding also enhances the level of service currently provided to the public, while maintaining the value of the City's capital infrastructure.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Court Assessment (2011), Engineering Analysis for Ball Field, Tennis and Sport Field Light Poles (2011), Parks and Recreation Needs Assessment (2011, 2013, 2015, 2017 and 2019); Citywide Parks Improvements Plan (2014); Neighborhood Parks Improvement Plans (2016); Complies with the Eco-City Charter - Energy Conservation Principal (2008); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Ball Court Renovations (continued)

Ball Court Renovations FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Boothe Basketball and Tennis Court Renovation	\$45,000
Boothe Lighting Replacement	\$100,000
Emergency Repairs	\$5,000
<b>Total Fiscal Year 2021</b>	<b>\$150,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Lee Center Tennis Court Renovation	\$50,000
Lee Center Tennis Court Lighting Replacement	\$100,000
Emergency Repairs	\$4,500
<b>Total Fiscal Year 2022</b>	<b>\$154,500</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Lee Center Basketball Court Lighting Replacement	\$85,000
Stevenson Park Basketball Court Renovation	\$20,000
Angel Park Basketball Court Renovation	\$20,000
Windmill Hill Basketball Court Renovation	\$20,000
Emergency Repairs	\$14,200
<b>Total Fiscal Year 2023</b>	<b>\$159,200</b>

## CAMERON RUN REGIONAL PARK FEASIBILITY STUDY

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: Seminary Hill
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Seminary Hill
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 3 ESTIMATE USEFUL LIFE: Varies

Cameron Run Regional Park Feasibility Study													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	381,400	0	100,000	0	0	0	281,400	0	0	0	0	0	381,400
Financing Plan													
Cash Capital	381,400	0	100,000	0	0	0	281,400	0	0	0	0	0	381,400
Financing Plan Total	381,400	0	100,000	0	0	0	281,400	0	0	0	0	0	381,400
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding in the amount of \$100,000 added to FY 2021. Outyear cost updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will provide funding for a future feasibility study of Cameron Run Regional Park in advance of the expiring lease agreement between the City of Alexandria and Northern Virginia Regional Park Authority (NOVA Parks) . A consultant will facilitate a community-driven public planning process to reevaluate conceptual plans developed in 2017 Planning Process and Conceptual Plans for the Cameron Run Regional Park, located at 4001 Eisenhower Ave. The 2025 plan will consider changes in the community since 2017 and potential impacts to surrounding open spaces, including Hensley Park, located at 4200 Eisenhower Ave. The 2017 feasibility study identified a range of options from a conversion to a full natural site to a multi-use active recreation park with aquatic facility. Costs to implement the 2017 options ranged from \$1.7 million to \$26.0 million. In FY 2021, a temporary prefabricated recreational court system will be purchased and located on the parking lot, where it can be used seasonally. During the seasons it is not being used, the court system can be disassembled and stored on-site or moved to another hard surface. This initiative supports the goal to activate the site year-round.

The project would provide updated conceptual plans, a park management plan and implementation strategies beginning in 2029. The current license agreement between the City of Alexandria and NOVA Parks, with approved extension, expires in December 31, 2028 with an option to extend beyond that time, if progress toward initial goals has been made.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Cameron Run Park Planning and Conceptual Design (2017); City Council Action (October 2018); Citywide Parks Improvements Plan (2014)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## COMMUNITY MATCHING FUND

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 3 ESTIMATE USEFUL LIFE: Varies

Community Matching Fund													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	2,662,741	662,741	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
Financing Plan													
Cash Capital	1,302,382	302,382	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
GO Bonds	47,618	47,618	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	1,312,741	312,741	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Financing Plan Total	2,662,741	662,741	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

Implemented in FY 2017, the Community Matching Fund promotes collaborative partnerships among Alexandria community organizations by providing matching dollars for groups that propose fundraising for park improvement projects. The Fund is designed to foster public/private partnerships and cultivate innovative ways for residents to have a greater stake in improving the park and recreation facilities that they use. These partnerships also provide opportunities for developing positive relationships between the City and the community. Community groups interested in receiving matching funds will annually compete for grant aid amounts up to \$25,000, allowing a minimum of four selected proposals each year.

Any community group that lives and/or works in the City of Alexandria can apply for the matching fund. The City evaluates each community group proposal based on how the project fulfills a public need as measured by the Department's needs assessment, park plans, and community feedback. Proposals that also take into account operating costs once the capital project is complete will receive greater consideration for funding. Community groups must show that they can raise their matching funds within one fiscal year. The Park and Recreation Commission approves the projects at the conclusion of the application process.

Since the fund's inception in 2017, 19 projects have been awarded, 11 of which are complete. Some examples include, ballfield improvements, updating a teen center, converting a basketball/tennis court to a futsal court, retrofitting a playground to include tactile walls for therapeutic recreation programs, and signs describing bird habitats written by children in local environmental science classes.

This project is supported by the 2017 and 2019 Needs Assessment. In 2019, 53% of needs assessment respondents conveyed a need for community and volunteer projects, the third highest programmatic need on the survey (out of 35 options). Of those respondents, 66% said their need is currently not being met. This growing program can help meet this community needs.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

PARKnership Policy (2015); Open Space Master Plan (2003, Updated 2017); Park and Recreation Needs Assessment (2015 and 2019); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

### FOUR MILE RUN PARK

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: 3700 Commonwealth Avenue
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Potomac West
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 2 ESTIMATE USEFUL LIFE: Varies

Four Mile Run Park													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	21,372,500	0	0	0	0	0	1,236,000	566,500	19,570,000	0	0	0	21,372,500
Financing Plan GO Bonds	21,372,500	0	0	0	0	0	1,236,000	566,500	19,570,000	0	0	0	21,372,500
Financing Plan Total	21,372,500	0	0	0	0	0	1,236,000	566,500	19,570,000	0	0	0	21,372,500
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

#### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP.

#### PROJECT DESCRIPTION & JUSTIFICATION

Four Mile Run Park is one of the City's six citywide, multi-use parks. In 2014, the Citywide Parks Improvements Plan was completed, and the plan provides a conceptual framework and recommendations on how to amend the Four Mile Run Park to meet the needs of the community.

This project includes a number of improvements to the park. While some of the recommendations have already been addressed or implemented, there are a number of improvements identified for the portion of the park adjacent to Cora Kelly Elementary School and the Leonard Armstrong Recreation Center. This project includes funding to address field renovations of Frank Mann Field and Field #2, parking improvements, storage improvements, restroom upgrades and landscaping.

Funding in FY 2025 will be used for design of the improvements and will coincide with the planning and design efforts for the renovation of Cora Kelly Elementary School. Construction funding is planned in FY 2027.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013, 2015, 2017 and 2019); Four Mile Run Master Plan and Design Guidelines (2006); Open Space Master Plan (2003, Updated 2017); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); Eco-City Environmental Action Plan - Land Use Chapter (2009); Citywide Parks Improvements Plan (2014)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## HOLMES RUN TRAIL REPAIRS

DOCUMENT SUBSECTION:	Park Maintenance & Improvements	PROJECT LOCATION:	Various
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Alexandria West and Seminary Hill
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY:	2
		ESTIMATE USEFUL LIFE:	Varies

Holmes Run Trail Repairs													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	6,000,000	0	1,000,000	5,000,000	0	0	0	0	0	0	0	0	6,000,000
Financing Plan													
GO Bonds	4,100,000	0	1,000,000	3,100,000	0	0	0	0	0	0	0	0	4,100,000
State/Federal Grants (Unsecured)	1,900,000	0	0	1,900,000	0	0	0	0	0	0	0	0	1,900,000
Financing Plan Total	6,000,000	0	1,000,000	5,000,000	0	0	0	0	0	0	0	0	6,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will provide for the design and repair of four sections of the Holmes Run Pedestrian and Bike Trail damaged as a result of the fall 2018 storm (Dora Kelley) and July 8, 2019 heavy rains and flash flooding (balance of Holmes Run) from the opening of the Barcroft Dam in Fairfax County, VA. The four sections of damage trail include:

- Replacement of trail and streambank restoration north of North Morgan Street and west of Beauregard (Dora Kelley Park);
- Replacement of Trail Bridge east of Beauregard Street and west of I-395 (Holmes Run Scenic Greenway);
- Repair access ramp and embankment to the stream crossing at Ripley Street; and
- Repair of trail bridge support structure at 4600 Duke Street.

Due to continued high water events, degradation of the above trail portions will continue until repair and replacement activities are implemented. The City has submitted for partial reimbursement through the Virginia Department of Emergency Management for the July 8, 2019 damage.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013, 2015, 2017 and 2019); Open Space Master Plan (2003, Updated 2017); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); Citywide Parks Improvements Plan (2014); Neighborhood Parks Improvements Plan (2016)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## PARK RENOVATIONS CFMP

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 1 ESTIMATE USEFUL LIFE: Varies

Park Renovations CFMP													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	10,530,648	5,585,848	416,000	423,600	441,500	454,700	468,400	482,400	547,100	553,600	570,200	587,300	4,944,800
Financing Plan													
Cash Capital	5,117,448	3,477,848	416,000	423,600	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,639,600
GO Bond Interest Earnings	420,000	420,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	4,976,200	1,671,000	0	0	341,500	354,700	368,400	382,400	447,100	453,600	470,200	487,300	3,305,200
Private Capital Contributions	17,000	17,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	10,530,648	5,585,848	416,000	423,600	441,500	454,700	468,400	482,400	547,100	553,600	570,200	587,300	4,944,800
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides an annual funding stream to address the capital maintenance and renovation needs at the City's park facilities, except the Waterfront Parks, which are covered by a separate CFMP. The list of FY 2021 - 2023 projects was determined through: an evaluation and analysis of the 2011, 2013, 2015, 2017, and 2019 Alexandria Park and Recreation Needs Assessments; current facility conditions as evaluated in the 2011 Park Inventory; 2014 Citywide Parks Improvement Plan; 2016 Neighborhood Parks Improvement Plan; and anticipated impact of upcoming adjacent development projects. The 2019 Parks and Recreation Needs Assessment Survey indicated 90% of Alexandrians indicated that it is "very important" to "provide safe, inviting, and vibrant spaces" and 86% indicate that it is "very important" to "manage and conserve our open space."

This project includes escalation to support state of good repair projects and beginning in FY 2027, \$42,000 is added to the budget annually to account for new City facilities acquired after 2018. Approximately nine percent (10%) of the total budget for each year is reserved for emergency repair/replacement of park facilities. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list of projects is subject to change.

This project ensures Alexandria's open space and recreational amenities are safe for the public, allowing increased opportunity for healthy lifestyles. Annual maintenance funding also enhances the level of service currently provided to the public, while maintaining the value of the City's capital infrastructure.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013, 2015, 2017 and 2019); Open Space Master Plan (2003, Updated 2017); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); Dog Parks Master Plan (2000/2011); Citywide Parks Improvements Plan (2014); Neighborhood Parks Improvements Plan (2016)

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## Park Renovations CFMP (continued)

## Park Renovations FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Powhatan Park Renovation	\$190,000
Jefferson Houston Field Netting	\$40,000
Witter Recreational Field Netting	\$45,000
Neighborhood Parks Wayfinding Sign System Design	\$75,000
Emergency Projects	\$66,000
<b>Total Fiscal Year 2021</b>	<b>\$416,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Furniture and Signage Lifecycle Replacement Projects	\$100,000
Ewald Site Plan and Design	\$240,000
Powhatan Park Improvements	\$20,060
Emergency Projects	\$63,540
<b>Total Fiscal Year 2022</b>	<b>\$423,600</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Beach Park Renovation	\$185,000
Timberland Park Improvements	\$73,000
Ewald Park Improvements	\$100,000
Potomac Yard Park LED Replacements	\$4,000
Pocket Park Entrance Signs	\$13,275
Emergency Projects	\$66,225
<b>Total Fiscal Year 2023</b>	<b>\$441,500</b>

## PATRICK HENRY SYNTHETIC TURF FIELD AND OUTDOOR PLAY FEATURES

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: 4653 Taney Avenue
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Seminary Hill
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 3 ESTIMATE USEFUL LIFE: 6 - 10 Years

Patrick Henry Turf Fields and Recreation Center													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,363,600	0	0	0	2,363,600	0	0	0	0	0	0	0	2,363,600
Financing Plan													
GO Bonds	2,363,600	0	0	0	2,363,600	0	0	0	0	0	0	0	2,363,600
Financing Plan Total	2,363,600	0	0	0	2,363,600	0	0	0	0	0	0	0	2,363,600
Additional Operating Impact	26,800	0	0	0	0	3,500	3,600	3,700	3,800	3,900	4,100	4,200	26,800

### CHANGES FROM PRIOR YEAR CIP

Funding moved to FY 2023. Funding for the project was originally appropriated in FY 2018 but has been delayed due to the decision to use the old Patrick Henry school building as a swing space for Douglas MacArthur Elementary School. Funding originally appropriated for this project was used to accelerate field improvements at Armistead Boothe Park.

### PROJECT DESCRIPTION & JUSTIFICATION

The Patrick Henry School, Recreation Center and Outdoor Space Plan includes space for a large athletic field. This project funds one full size synthetic infill system turf field to replace two natural grass fields being displaced as a part of school construction at the Patrick Henry site. The single synthetic field is intended to meet demand for field use upon completion of the new Patrick Henry Recreation Center and K-8 school. Athletic field lights are not included in this project. This project also contemplates community uses that include one intermediate age playground and site fitness equipment to replace those that will be displaced by school construction at the Patrick Henry site and the addition of a dedicated recreation center tot lot and school Pre-K playground. The large playground and site fitness equipment will need to meet community demands for site features upon completion of the new Patrick Henry Recreation Center and K-8 school. This project is coordinated with the recreation center and school construction to achieve economic benefits and reduce the impacts to the community. Synthetic turf fields create year-round playing surfaces that increase the window of use from eight to twelve months a year, reduce environmental impacts, and lower operating costs. Athletic field renovations support the well-being of children, youth and families by providing safe and reliable play spaces that promote active lifestyles.

In April 2019, the Alexandria Schoolboard approved the delay in the completion of the final site plans for the new Patrick Henry K-8 School & Recreation Center by not demolishing the former Patrick Henry building and keeping it in place as swing space for the Douglass MacArthur Elementary School. The swing space will remain in place through January 2023 until such time as the new Douglass MacArthur Elementary School will reopen to students allowing for the demolition and final site work (expanded parking lot, synthetic turf rectangular field, and landscaping) scheduled for completion in September 2023 (FY 2024).

The Planning Commission approved the use of the old Patrick Henry facility as swing space for Douglas MacArthur on Thursday, November 7 at 7 p.m. and City Council approval was received on November 16, 2019.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Development Special Use Permit(DSUP)2016-00009, Patrick Henry Site Specific Program Document, February 9, 2016.

### ADDITIONAL OPERATING IMPACTS

Estimated costs of periodic grooming, inspections, and repairs, consistent with other field assets in the City.

### PAVEMENT IN PARKS

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation	PROJECT CATEGORY: 1 ESTIMATE USEFUL LIFE: 16 - 20 Years

Pavement in Parks													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	3,445,000	1,000,000	200,000	200,000	225,000	240,000	240,000	240,000	275,000	275,000	275,000	275,000	2,445,000
Financing Plan													
Cash Capital	212,000	212,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	3,233,000	788,000	200,000	200,000	225,000	240,000	240,000	240,000	275,000	275,000	275,000	275,000	2,445,000
Financing Plan Total	3,445,000	1,000,000	200,000	200,000	225,000	240,000	240,000	240,000	275,000	275,000	275,000	275,000	2,445,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The City maintains roads and parking lots at various sites in the park system. The condition of pavement in many of the City's parks is very poor based on staff inspections. Due to many years of deferred maintenance, there is the potential for some pavement sections to fail, which could potentially require more expensive repairs and major rehabilitation. This project addresses maintenance of pavement in parks, as well as the reconstruction of sections that have exceeded their useful life. Transportation & Environmental Services staff has currently identified 18 parks with roads, parking lots or asphalt surfaces that require maintenance. The Citywide Parks Improvements Plan, Neighborhood Parks Improvements Plan and the FY 2019 pavement condition assessment were used to prioritize projects for FY 2021 – FY 2023.

Annual maintenance funding enhances the level of service currently provided to the public, while maintaining the value of the City's capital infrastructure.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013, 2015, 2017 and 2019); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); Citywide Parks Improvements Plan (2014); Neighborhood Parks Improvement Plan (2016); FY2019 Pavement Condition Assessment

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Pavement in Parks (continued)

Pavement in Parks FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Repairs to Chinguapin Recreation Center Parking Lots	\$ 200,000
<b>Total Fiscal Year 2021</b>	<b>\$ 200,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Eugene Simpson Stadium Park Parking Lot Renovation	\$ 200,000
<b>Total Fiscal Year 2022</b>	<b>\$ 200,000</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Stevenson Park Parking Lot	\$ 225,000
<b>Total Fiscal Year 2023</b>	<b>\$ 225,000</b>

## PLAYGROUND RENOVATIONS CFMP

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 1 ESTIMATE USEFUL LIFE: Varies

Playground Renovations CFMP													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	16,479,028	6,479,628	622,000	1,010,400	1,060,300	1,071,900	1,104,100	1,137,200	954,500	983,200	1,012,700	1,043,100	9,999,400
Financing Plan													
Cash Capital	5,010,852	4,010,852	0	1,000,000	0	0	0	0	0	0	0	0	1,000,000
GO Bond Interest Earnings	432,813	432,813	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	10,835,363	1,835,963	622,000	10,400	1,060,300	1,071,900	1,104,100	1,137,200	954,500	983,200	1,012,700	1,043,100	8,999,400
State/Federal Grants	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	16,479,028	6,479,628	622,000	1,010,400	1,060,300	1,071,900	1,104,100	1,137,200	954,500	983,200	1,012,700	1,043,100	9,999,400
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

The annual budget for playground renovations includes funding to ensure that the equipment and surface area of each of the 42 play areas in public parks are consistent with Consumer Products Safety Commission standards and to continue systematic replacement of park amenities (e.g. benches, water fountains, picnic tables) related to playground areas. Funds may also be allocated to projects that will enhance play and youth fitness in parks and may include unstructured play and natural play. Projects planned in FY 2021 – 2023 are included on the next page. Five percent (5%) of each year’s funding is reserved for citywide emergency playground repairs. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

This project supports healthy lifestyles and addresses obesity and overall well-being in toddlers, preschoolers, and school age youth. Improving playgrounds provides safe play environments that enhance the well-being of children, youth and families. Annual maintenance funding also enhances the level of service currently provided to the public and maintains the City’s capital infrastructure in a state of good repair.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); Parks and Recreation Needs Assessment (2011, 2013, 2015, 2017, and 2019); Alexandria Play Space Assessment by the Partnership for a Healthier Alexandria and the Alexandria Health Department (2012); Alexandria Playspace Policy (2013); Citywide Parks Improvements Plan (2014); Neighborhood Parks Improvements Plan (2016); Pocket Parks Improvements Plan (2020)

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## Playground Renovations CFMP (continued)

## Playground Renovations CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Chinquapin Park Playground Renovation Design	\$190,900
Powhatan Park Playground Design	\$120,000
Neighborhood Park Playground Improvements	\$130,000
Safety Surface Replacement Projects	\$150,000
Emergency Repairs	\$31,100
<b>Total Fiscal Year 2021</b>	<b>\$622,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Chinquapin Park Playground Construction	\$700,000
Powhatan Park Play Area Improvements	\$259,880
Emergency Repairs	\$50,520
<b>Total Fiscal Year 2022</b>	<b>\$1,010,400</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Ewald Park Playground Renovation	\$657,285
Safety Surface Replacement Projects	\$150,000
Neighborhood Park Playground Improvements	\$100,000
Pocket Park Playground Improvements	\$100,000
Emergency Repairs	\$53,015
<b>Total Fiscal Year 2023</b>	<b>\$ 1,060,300</b>

## RESTROOM RENOVATIONS

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 2 ESTIMATE USEFUL LIFE: 30+ Years

Restroom Renovations													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	3,628,500	1,110,000	0	0	0	0	0	0	657,700	572,000	686,800	602,000	2,518,500
Financing Plan													
Cash Capital	92,000	92,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	3,536,500	1,018,000	0	0	0	0	0	0	657,700	572,000	686,800	602,000	2,518,500
Financing Plan Total	3,628,500	1,110,000	0	0	0	0	0	0	657,700	572,000	686,800	602,000	2,518,500
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The City provides restroom facilities in the park system for the benefit of park users. The condition of these restrooms throughout the City is a priority for park users. This project funds the site work, renovation and installation of site specific restrooms to replace existing restroom facilities in multiple parks. The restrooms will be ADA compliant and will reduce long term maintenance requirements of existing facilities. The new facilities will be energy efficient and include green building materials and/or technologies. The work may also include replacement or upgrades to existing plumbing, electrical and sanitary lines, and new vandal resistant fixtures and interiors.

This project was identified through community input received through the development of the Neighborhood Parks Improvements Plan and other community feedback sessions. The renovated facilities will address the initiatives to provide energy savings and water use reductions. Renovations will address the initiative to improve youth recreation and athletic field capacity.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Youth Sports Advisory Board Fields Exercise (2012); Neighborhood Parks Improvements Plan (2016)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## SOFT SURFACE TRAILS

DOCUMENT SUBSECTION:	Park Maintenance & Improvements	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Citywide
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	PROJECT CATEGORY:	1
		ESTIMATE USEFUL LIFE:	Varies

Soft Surface Trails													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	2,641,087	1,266,987	120,000	123,700	124,400	131,300	135,300	139,300	143,400	147,700	152,300	156,700	1,374,100
Financing Plan													
Cash Capital	1,147,332	1,147,332	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	1,434,100	60,000	120,000	123,700	124,400	131,300	135,300	139,300	143,400	147,700	152,300	156,700	1,374,100
Prior Capital Funding	59,655	59,655	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,641,087	1,266,987	120,000	123,700	124,400	131,300	135,300	139,300	143,400	147,700	152,300	156,700	1,374,100
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

Annual funding for this project provides for construction and improvements to the soft surface parks trail/path system in the City. In the 2013, 2015, 2017, and 2019 Park and Recreation Needs Assessments, residents overwhelmingly responded that improving and developing trails was their number one need in parks. This project responds to their need by ensuring that the trail system is maintained at a high level of service and provides outdoor walking opportunities. Many of the projects are recommendations in the Citywide Parks Improvement Plan and the Neighborhood Parks Improvement Plan.

The trails provide pedestrian and bicycle connections throughout the City, encouraging healthy lifestyles, and promoting environmental responsibility and ecological awareness through increased exposure to outdoor environments and natural resources. Annual maintenance funding also enhances the level of service currently provided to the public, while maintaining the City’s capital infrastructure in a state of good repair. The projects listed are planned for FY 2021 – 2023. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, projects are subject to change.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013, 2015, 2017 and 2019); Four Mile Run Master Plan and Design Guidelines (2006); Open Space Master Plan (2003, Updated 2017); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); Eco-City Environmental Action Plan - Land Use Chapter (2009); Citywide Parks Improvements Plan (2014); Neighborhood Parks Improvements Plan (2016)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Soft Surface Trails (continued)

Soft Surface Trails FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Brenman Trail Improvements	\$90,000
Dora Kelley Trail and Stair Replacement Project	\$30,000
<b>Total Fiscal Year 2021</b>	<b>\$120,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Simpson Park Trail Project	\$88,600
Holmes Run Trail Erosion Control Project	\$35,100
<b>Total Fiscal Year 2022</b>	<b>\$123,700</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Beach Park Walkway Improvements	\$30,000
Flexipave Installation Repairs	\$41,600
Pocket Park Walkway Projects	\$40,000
Emergency Repairs	\$12,800
<b>Total Fiscal Year 2023</b>	<b>\$124,400</b>

## TREE & SHRUB CAPITAL MAINTENANCE

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability	PROJECT CATEGORY: 1 ESTIMATE USEFUL LIFE: Varies

Tree & Shrub Capital Maintenance													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	8,962,685	5,247,985	219,500	333,800	260,900	356,400	367,100	378,000	430,100	442,800	456,200	469,900	3,714,700
Financing Plan													
Cash Capital	7,316,855	3,602,155	219,500	333,800	260,900	356,400	367,100	378,000	430,100	442,800	456,200	469,900	3,714,700
GO Bond Interest Earnings	184,988	184,988	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	372,750	372,750	0	0	0	0	0	0	0	0	0	0	0
Prior Capital Funding	1,073,092	1,073,092	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	10,000	10,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	5,000	5,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	8,962,685	5,247,985	219,500	333,800	260,900	356,400	367,100	378,000	430,100	442,800	456,200	469,900	3,714,700
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

Funding is provided to renovate and enhance City horticultural sites, as well as to provide for the annual tree planting and care program for trees on public streets, in City parks, and in open spaces throughout the City. In total, the City maintains over 250 horticultural sites and over 30,000 inventoried trees, which periodically require renovations and enhancements. In September 2009, the City's Urban Forestry Master Plan (UFMP) was approved by City Council. The UFMP (Recommendation 1) includes a goal of 40% tree canopy cover which was suggested by the organization "American Forests" at that time. The UFMP identifies planting trees as an integral part of sustaining and expanding the City's tree canopy (Recommendation 3). The Environmental Action Plan calls for a tree canopy goal of 40% to be reached by 2035. The total CIP program for planting replacement and new trees, and the associated establishment maintenance and irrigation where necessary, supports an average of 500 trees per year for the next three years, based on the current average installed cost of \$355 per tree (including those requiring establishment maintenance and irrigation). The projects listed are planned for FY 2021 – 2023, but due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, projects are subject to change.

The project is intended to increase the City's tree canopy, and enhance the City's visual and environmental quality by reducing the urban heat island effect, reducing erosion, supporting stormwater initiatives, reducing pollutants in the air, and providing additional environmental benefits

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013, 2015 and 2017); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); Open Space Master Plan (2003, Updated 2017); Eco-City Alexandria Charter - Land Use and Open Space and Air Quality (2008); Urban Forestry Master Plan (2009); Environmental Action Plan Phase I Update - Land Use and Open Space (2018); Environmental Action Plan 2040 (2019)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Tree & Shrub Capital Maintenance (continued)

Tree & Shrub Capital Maintenance FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Tree Planting	\$113,500
Eugene Simpson Stadium Alley Buffer	\$86,000
Renovations of Median Landscapes	\$20,000
<b>Total Fiscal Year 2021</b>	<b>\$219,500</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Tree Planting	\$220,800
Holmes Run Park Invasive Species Removal	\$48,000
Luckett Field Plantings	\$35,000
Renovations of Median Landscapes	\$30,000
<b>Total Fiscal Year 2022</b>	<b>\$333,800</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Tree Planting	\$175,900
Beach Park Vegetated Swales	\$75,000
Beach Park Plantings	\$10,000
<b>Total Fiscal Year 2023</b>	<b>\$260,900</b>

## WATER MANAGEMENT & IRRIGATION

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 1 ESTIMATE USEFUL LIFE: Varies

Water Management & Irrigation													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	3,192,050	1,663,350	128,000	131,900	135,900	140,000	144,300	148,500	167,400	172,400	177,500	182,800	1,528,700
Financing Plan													
Cash Capital	2,809,800	1,281,100	128,000	131,900	135,900	140,000	144,300	148,500	167,400	172,400	177,500	182,800	1,528,700
GO Bond Interest Earnings	234,369	234,369	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	94,881	94,881	0	0	0	0	0	0	0	0	0	0	0
Sale of Property Revenue	53,000	53,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	3,192,050	1,663,350	128,000	131,900	135,900	140,000	144,300	148,500	167,400	172,400	177,500	182,800	1,528,700
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project funds the design of efficient water management systems, including the conversion of manual irrigation controllers to automatic (smart irrigation) controllers. Until 2017, most irrigation systems were operated manually without the capability to self-adjust for periods of droughts, power outages, or rainfall. In 2015, the City completed an irrigation audit and data verification collection project. This project provided the information necessary to transition existing irrigation systems to the central control system. As a result of the completion of Phase I in FY 2017, the computerized central control system now operates and controls 28 different sites throughout the City. The central control system allows for operation of all the sites from one location through a combination of cellular and radio communication. The system uses a weather station to automatically adjust irrigation schedules due to weather changes and rainfall amounts. The system also monitors water flow and detects leaks in the systems. This project will improve environmentally sensitive maintenance by implementing a central controlled irrigation system to reduce water usage. More efficient irrigation improves the safety and quality of outdoor playing fields and facilities, which enhances the well-being of children, youth and families. Over the next several years, the system will be expanded and upgraded to include additional City of Alexandria green spaces.

The improvements to the existing irrigation infrastructure, if not pursued, could necessitate the abandonment of declining irrigation systems. The projects listed are planned for FY 2021 – 2023 based on the 2015 study, the Citywide Parks Improvements Plan and the Neighborhood Parks Improvement Plan. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, projects are subject to change.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Youth Sports Advisory Board Field Exercise (2012); Environmental and Sustainability Management System (ESMS) Initiative; Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); Eco-City Charter - Water Resource Conservation (2008); Eco-City Environmental Action Plan - Chapter 4, Goal 3 (2009); Citywide Parks Improvements Plan (2014); Neighborhood Parks Improvement Plan (2015)

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Water Management & Irrigation (continued)

Water Management & Irrigation FY 2021 – FY 2023 Project List.

<b>Fiscal Year 2021</b>	
Description	Amount
Renovate Irrigation Systems in Eugene Simpson Stadium Park	\$70,000
Standardize Irrigation Systems and Components in Planning District III	\$58,000
<b>Total Fiscal Year 2021</b>	<b>\$128,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Renovate Irrigation Systems in Eugene Simpson Stadium Park	\$71,950
Standardize Irrigation Systems and Components in Planning District II	\$59,950
<b>Total Fiscal Year 2022</b>	<b>\$131,900</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Renovate Irrigation System in Beach Park	\$35,000
Install Irrigation System in Witter Fields Parking Lots and Open Spaces	\$39,150
Standardize Irrigation Systems and Components in Planning District I	\$61,750
<b>Total Fiscal Year 2023</b>	<b>\$135,900</b>

## WATERFRONT PARKS CFMP

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: Waterfront District Parks
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Waterfront
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 1 ESTIMATE USEFUL LIFE: Varies

Waterfront Parks CFMP													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	818,800	205,000	50,000	66,000	53,300	54,800	56,500	58,000	65,800	67,700	69,800	71,900	613,800
Financing Plan													
Cash Capital	205,000	205,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	613,800	0	50,000	66,000	53,300	54,800	56,500	58,000	65,800	67,700	69,800	71,900	613,800
Financing Plan Total	818,800	205,000	50,000	66,000	53,300	54,800	56,500	58,000	65,800	67,700	69,800	71,900	613,800
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides annual funding to address the capital maintenance needs at the City's waterfront park facilities. Projects are determined through an evaluation and analysis of the 2011, 2013, 2015, 2017 and 2019 Alexandria Park and Recreation Needs Assessments; the 2016 Neighborhood Parks Improvement Plan; current facility conditions as evaluated in the 2011 Park Inventory; and anticipated impact of the implementation of Waterfront Small Area Plan as construction documents are developed, governance decisions are made, and operational processes are defined. The project coincides with improvements in other projects including ADA Requirements, Playground CFMP, Soft Surface Trails, Stormwater (Transportation and Environmental Services) and Waterfront Small Area Plan implementation. This project ensures Alexandria's open space and recreational amenities are safe for the public, allowing increased opportunity for healthy lifestyles. Annual maintenance funding also enhances the level of service currently provided to the public, while maintaining the City's capital infrastructure in a state of good repair.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013, 2015 and 2017); Open Space Master Plan (2003, Updated 2017); Dog Parks Master Plan (2000, Updated 2011); Waterfront Small Area Plan (2012); Landscape & Flood Mitigation Concept Design (2014); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); Environmental Action Plan Phase I Update (2018); RPCA Natural Resource Management Plan ( 2019); Neighborhood Parks Improvement Plan (2015)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Waterfront Parks CFMP (continued)

Waterfront Parks CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Windmill Hill Open Area Irrigation System	\$45,000
Emergency Repairs	\$5,000
<b>Total Fiscal Year 2021</b>	<b>\$50,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Montgomery Park Wayfinding Signs	\$10,000
Founders Park Drainage Improvements	\$20,000
Furniture Replacements	\$16,400
Montgomery Park Surface Repairs	\$13,000
Emergency Repairs	\$6,600
<b>Total Fiscal Year 2022</b>	<b>\$66,000</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Walkway Repairs	\$37,900
Windmill Hill Park Wayfinding Signs	\$10,000
Emergency Repairs	\$5,400
<b>Total Fiscal Year 2023</b>	<b>\$53,300</b>

## WINDMILL HILL PARK IMPROVEMENTS

DOCUMENT SUBSECTION: Park Maintenance & Improvements	PROJECT LOCATION: 501 South Union Street
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities & Department of Project Implementation	REPORTING AREA: Old Town
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 2 ESTIMATE USEFUL LIFE: 30+ Years

Windmill Hill Park Improvements													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	12,655,100	7,459,000	0	496,100	4,700,000	0	0	0	0	0	0	0	5,196,100
Financing Plan													
Cash Capital	1,140,453	1,140,453	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	11,479,647	6,283,547	0	496,100	4,700,000	0	0	0	0	0	0	0	5,196,100
Private Capital Contributions	35,000	35,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	12,655,100	7,459,000	0	496,100	4,700,000	0	0	0	0	0	0	0	5,196,100
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding in the amount of \$5.2 million added in FY 2022 and FY 2023.

### PROJECT DESCRIPTION & JUSTIFICATION

This project consists of the complete replacement of the existing bulkhead at Windmill Hill Park with a Living Shoreline and other park improvements identified in the 2003 City Council approved Windmill Hill Park Master Plan. Progress to date includes the installation of a low stone sill at the base of the shoreline, tidal and riparian plantings along the sloping bank, pedestrian paths, water access for dogs and kayaks, planted buffers, and restoration of the Gibbon Street stream outfall including the installation of a pedestrian bridge to provide a continuous waterfront walking trail. Outstanding park improvements such as playground renovation and ADA improvements, consistent with the City Council approved Windmill Hill Park Plan, will be implemented following installation of the northern pier (fall 2020), the last component of Phase I. Final pedestrian safety measures consistent with the Union Street Corridor Study will be implemented in coordination with Transportation and Environmental Services following the completion of private development on the waterfront.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Windmill Hill Master Plan (2003); Eco-City Charter - Protect Water Resources (2008); Environmental Action Plan - Chapter 4, Goal 1 (2009); Waterfront Small Area Plan (2012); Union Street Corridor Study (2013); City Council Living Shoreline Concept Approval (2015)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## CHINQUAPIN RECREATION CENTER CFMP AND PROGRAM SUPPORT

DOCUMENT SUBSECTION: Recreation Facility Maintenance  
 MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities

PROJECT LOCATION: 3210 King Street  
 REPORTING AREA: Taylor Run

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Chinquapin Recreation Center CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	7,603,000	3,270,000	515,700	203,000	203,900	253,200	957,500	340,800	263,000	234,400	646,200	715,300	4,333,000
Financing Plan													
Cash Capital	760,000	760,000	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	6,843,000	2,510,000	515,700	203,000	203,900	253,200	957,500	340,800	263,000	234,400	646,200	715,300	4,333,000
Financing Plan Total	7,603,000	3,270,000	515,700	203,000	203,900	253,200	957,500	340,800	263,000	234,400	646,200	715,300	4,333,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides an annual funding stream to address the capital maintenance needs at the Chinquapin Recreation Center. The City currently has a backlog of maintenance needs at Chinquapin; these existing needs must be prioritized against new maintenance requests throughout the year. The Chinquapin Recreation Center Facilities Maintenance Program (CFMP) project provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the City facility. In some cases, the equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so.

The CFMP also provides for the scheduled capital maintenance needs of Chinquapin, including painting and floor covering (carpet and tile) replacement; mechanical, electrical, plumbing systems and window replacements. A prioritized list of projects planned for FY 2021- 2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

This CFMP is used to maintain building capital assets in a state of good repair. Maintenance keeps the building functioning properly, decreases costly repairs, and promotes a healthy environment.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Chinquapin Recreation Center VFA Assessment; Recreation, Parks and Cultural Activities Strategic Plan (2018-2023)

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Chinquapin Recreation Center CFMP (continued)

Chinquapin Recreation Center CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Pool Office Renovation	\$365,700
Chinquapin Lobby Entrance Renovation	\$30,000
Chinquapin Accessibility Improvements	\$45,000
Unexpected Capital Maintenance	\$75,000
<b>Total Fiscal Year 2021</b>	<b>\$515,700</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Interior Flooring Upgrades	\$66,000
Exterior Stairway Improvements	\$15,000
Access Ladder Upgrade	\$3,700
Fencing Improvements	\$10,000
Exterior Improvements	\$31,000
Unexpected Capital Maintenance	\$77,300
<b>Total Fiscal Year 2022</b>	<b>\$ 203,000</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Interior Improvements	\$107,300
Sprinkler Valve Replacement	\$17,000
Unexpected Capital Maintenance	\$79,600
<b>Total Fiscal Year 2023</b>	<b>\$ 203,900</b>

## CITY MARINA MAINTENANCE

DOCUMENT SUBSECTION: Recreation Facility Maintenance  
 MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities

PROJECT LOCATION: 0 Cameron Street  
 REPORTING AREA: Old Town

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

City Marina Maintenance													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,927,313	1,310,613	45,000	46,400	47,900	49,300	50,800	52,200	77,700	80,000	82,500	84,900	616,700
Financing Plan													
Cash Capital	1,467,700	851,000	45,000	46,400	47,900	49,300	50,800	52,200	77,700	80,000	82,500	84,900	616,700
GO Bonds	459,613	459,613	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,927,313	1,310,613	45,000	46,400	47,900	49,300	50,800	52,200	77,700	80,000	82,500	84,900	616,700
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project maintains the level of service provided to residents and visitors at the City of Alexandria Marina. The Marina is a destination for the City and requires continued maintenance and upgrades to keep tourists and boaters visiting the City and must be maintained to ensure safety for its users. City Marina maintenance projects are prioritized to fund safety and security items first. Items to improve visitor safety and security, Department of Homeland Security recommendations, and United States Coast Guard security recommendations are core projects. A Marina Facilities Assessment, completed in 2013, provided details of the condition of infrastructure and identified project priorities within the Marina boundaries. Planned projects are consistent with the recommendations provided in the 2013 City Marina Facility Assessment.

The following projects will be funded to ensure the public health and safety: storm damage repairs, fire suppression repairs, railing repairs and improvements, ADA compliance and access, security measures (including cameras and other physical measures) and surface repairs and improvements. Annual maintenance funding enhances the level of service currently provided to users and visitors of the City’s Marina, while maintaining the Marina’s capital infrastructure in a state of good repair. Funding in FY 2021 through FY 2027 is reduced based on anticipated construction of flood mitigation projects as part of the Waterfront Plan Implementation.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City Marina Facility Condition Assessment (2013); Waterfront Small Area Plan (2012); Waterfront Commission Priority (2012). Specific projects are scheduled to capitalize on construction efficiency and limit disruption of service.

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

City Marina Maintenance (continued)

City Marina Maintenance FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Health, Safety and ADA Compliant Repairs	\$10,000
Walkway, Lighting and Furniture Repairs	\$15,000
Severe Weather and Utility Repairs	\$20,000
<b>Total Fiscal Year 2021</b>	<b>\$45,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Health, Safety and ADA Compliant Repairs	\$10,350
Walkway, Lighting and Furniture Repairs	\$15,450
Severe Weather and Utility Repairs	\$20,600
<b>Total Fiscal Year 2022</b>	<b>\$46,400</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Health, Safety and ADA Compliant Repairs	\$10,660
Walkway, Lighting and Furniture Repairs	\$16,022
Severe Weather and Utility Repairs	\$21,218
<b>Total Fiscal Year 2023</b>	<b>\$47,900</b>

## PROACTIVE MAINTENANCE OF THE URBAN FOREST

DOCUMENT SUBSECTION: Recreation Facility Maintenance  
 MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Proactive Maintenance of the Urban Forest													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,519,200	319,500	106,500	206,000	212,200	218,600	225,200	231,900	238,900	246,000	253,400	261,000	2,199,700
Financing Plan													
Cash Capital	2,412,700	213,000	106,500	206,000	212,200	218,600	225,200	231,900	238,900	246,000	253,400	261,000	2,199,700
GO Bond Interest Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	106,500	106,500	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,519,200	319,500	106,500	206,000	212,200	218,600	225,200	231,900	238,900	246,000	253,400	261,000	2,199,700
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

Recommendation #39 of the Urban Forestry Master Plan (2009), approved by City Council, calls for the implementation of a rotational cycle for the maintenance of all established trees planted along City Streets, in parks, and on school grounds and other public properties. This project also supports the on-going Citywide Tree Inventory program that identifies needs and work priorities. Work is designed to remove dead limbs, eliminate broken/hanging limbs, evaluate the overall health of each tree, identify flaws/hazards/damage resulting from adjacent features/issues (e.g., sidewalks, roads, vehicle damage, etc.), and generally improve the health and potential lifespan of each tree. By improving the health of the City’s trees, this program helps to achieve the City’s tree canopy coverage goals. It also provides an opportunity to evaluate whether some trees are in declining health or otherwise present a need for removal before they fail. The goal is to protect the investment in the long-lived assets (trees) and reduce the need and costs for replacements. The project will allow staff to address a larger number of issues in a pro-active manner before they become problematic, rather than waiting until a limb or tree fails, potentially causing increased damage and inconvenience. A pro-active maintenance program will result in a more efficient process, reduced overall cost, and a better level of service for the City and its residents.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Department of Recreation, Parks, and Cultural Activities 3-Year Business Plan (2017-2019); Urban Forestry Master Plan (2009); Open Space Master Plan (2003, Updated 2017); Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); Environmental Action Plan (2019)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## RECREATION CENTERS CFMP AND PROGRAM SUPPORT

DOCUMENT SUBSECTION: Recreation Facility Maintenance  
 MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Recreation Centers CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	18,430,136	6,715,736	184,100	106,300	177,400	148,500	211,200	1,038,300	1,673,000	1,271,600	2,699,200	4,204,800	11,714,400
Financing Plan													
Cash Capital	2,463,736	2,463,736	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	75,000	75,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	15,891,400	4,177,000	184,100	106,300	177,400	148,500	211,200	1,038,300	1,673,000	1,271,600	2,699,200	4,204,800	11,714,400
Financing Plan Total	18,430,136	6,715,736	184,100	106,300	177,400	148,500	211,200	1,038,300	1,673,000	1,271,600	2,699,200	4,204,800	11,714,400
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides an annual funding stream to address the capital maintenance needs at ten of the City's eleven heavily-used neighborhood recreation centers and other recreational facilities. Chinquapin Recreation Center is addressed in a separate account. The City currently has a backlog of maintenance needs at recreation centers; these existing needs must be prioritized against new maintenance requests throughout the year. The Recreation Center Facilities Maintenance Program (CFMP) project provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the City's facilities. In some cases, the equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. The CFMP also provides for the scheduled capital maintenance needs of City recreation facilities, including painting and floor covering (carpet and tile) replacement; mechanical, electrical, plumbing systems and window replacements. A prioritized list of projects planned for FY 2021 - 2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

RCPA Facilities Assessment conducted in 2013; Recreation, Parks and Cultural Activities Strategic Plan (2018-2023).

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## Recreation Centers CFMP (continued)

## Recreation Centers CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Colasanto Exit Sign Upgrades	\$4,000
Colosanto Exterior Lighting Upgrades	\$5,500
Charles Houston Exterior Painting	\$2,500
Nannie J Lee Water Heater Upgrade	\$27,100
Mount Vernon Recreation Center Lobby Renovation and Accessibility Improvements	\$30,000
Nannie J Lee Recreation Center Lobby Renovation and Accessibility Improvements	\$30,000
William Ramsay Front Desk and Entrance Furniture Replacement	\$12,500
Unexpected Capital Maintenance	\$72,500
<b>Total Fiscal Year 2021</b>	<b>\$184,100</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Four Mile Run Conservatory Center Exterior Painting	\$18,600
Ramsay Recreation Water Heater Upgrade	\$13,000
Unexpected Capital Maintenance	\$74,700
<b>Total Fiscal Year 2022</b>	<b>\$106,300</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Four Mile Run Conservatory Center Exterior Lighting Upgrades	\$18,000
Colasanto Exterior Improvements	\$16,000
Ramsay Emergency Lighting Upgrades	\$44,500
Leonard Chick Armstrong HVAC Upgrade	\$10,400
Leonard Chick Armstrong Water Fountain Upgrade	\$7,000
Leonard Chick Armstrong Sink Upgrades	\$4,500
Unexpected Capital Maintenance	\$77,000
<b>Total Fiscal Year 2023</b>	<b>\$177,400</b>

## BRADDOCK AREA PLAN PARK

DOCUMENT SUBSECTION: Renovated or New Recreation Facilities	PROJECT LOCATION: 600 North Henry Street
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Braddock Road Metro
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 3 ESTIMATE USEFUL LIFE: Varies

Braddock Area Plan Park														
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030	
Expenditure Budget	6,257,007	2,546,207	0	0	0	0	0	0	0	0	0	0	3,710,800	3,710,800
Financing Plan														
Cash Capital	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	3,710,800	0	0	0	0	0	0	0	0	0	0	0	3,710,800	3,710,800
Prior Capital Funding	515,781	515,781	0	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	1,930,426	1,930,426	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	6,257,007	2,546,207	0	0	0	0	0	0	0	0	0	0	3,710,800	3,710,800
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding in the amount of \$3.7 million added to FY 2030.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will provide funding to assist in the implementation of the Braddock Metro Neighborhood and Braddock East Open Space/Park component of the plans to be funded by the City and developer contributions for open space. The Departments of Recreation, Parks, and Cultural Activities (RPCA) and Planning and Zoning (P&Z), as well as the Braddock Implementation Advisory Group and Park and Recreation Commission recently completed a park planning process for the one acre Braddock Neighborhood Park, including the city-owned 600 N. Henry Street property. The park plan is intended to guide future redevelopment of the one block site that currently is home to the Wythe Street Post Office and interim public open space. City funding in this project will provide a 50/50 match for developer contributions per the 2008 Braddock Metro Neighborhood Plan and the 2009 Braddock Implementation Funds Policy. Since the balance of the proposed Braddock park land is owned by the United States Postal Service (USPS), any future land acquisition in this block will be contingent on USPS concurrence. USPS has indicated that they would only move (i.e. the mail sorting and distribution functions) from the Braddock area, if an alternative site can be found within the designated service delivery area.

Providing a new community recreational amenity and resource will strengthen connections between individual physical fitness and individual health. Supporting a mixed-use redevelopment project on this site, in addition to the creation of a new neighborhood park, may increase property values and tax revenues. Additionally, transforming an industrialized space into a park improves the health of the environment. This project will provide opportunities for children, youth, families and seniors to interact and engage in a safe "third place" - a place outside of work or home.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Braddock Metro Neighborhood Plan (2008); Braddock Implementation Funds Policy (2009); Braddock East Master Plan; Open Space Master Plan (2003, Updated 2017); Recreation, Parks, and Cultural Activities Strategic Plan (2018-2023); Eco-City Charter.

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## CITYWIDE PARKS IMPROVEMENTS PLAN

DOCUMENT SUBSECTION:	Renovated or New Recreation Facilities	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Citywide
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY:	2
		ESTIMATE USEFUL LIFE:	11 - 15 Years

Citywide Parks Improvements Plan													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	10,423,403	7,510,971	274,632	0	637,800	0	0	0	500,000	0	1,000,000	500,000	2,912,432
Financing Plan													
Cash Capital	934,000	934,000	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	14,633	14,633	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	9,069,359	6,156,927	274,632	0	637,800	0	0	0	500,000	0	1,000,000	500,000	2,912,432
Private Capital Contributions	180,411	180,411	0	0	0	0	0	0	0	0	0	0	0
Sale of Property Revenue	225,000	225,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	10,423,403	7,510,971	274,632	0	637,800	0	0	0	500,000	0	1,000,000	500,000	2,912,432
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The City's six citywide, multi-use parks serve as the core of Alexandria's park system, offering outdoor opportunities for all residents that range from natural areas and walking trails to athletic fields. Yet, these parks have deteriorated from overuse and lack of sustained investment. As findings from the Citywide Parks Improvements Plan (2014) show, there are incremental changes necessary for the sites to remain relevant open spaces that meet community needs. Through recent community outreach, RPCA has prioritized the needs in each park. Funding in FY 2021 will address Citywide Parks Improvements Plan recommendations in the Holmes Run Park Citywide Park Plan. Additional funding will be needed after FY 2029 to complete the Citywide Parks Improvements Plan recommendations. Future improvements in the next three years, identified as priorities in the plan, include:

- FY 2021 – Documentation and design for the All Veterans Park renovation
- FY 2023 – Construction of the All Veterans Park renovation

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessments (2011, 2013, 2015, 2017 and 2019); Youth Sports Advisory Board Field Exercise (2012); Citywide Parks Improvements Plan (2014); Open Space Master Plan (2003, Updated 2017); Four Mile Run Restoration Master Plan (2006); Four Mile Run Design Guidelines (2009); Athletic Field Study (2008); Recreation, Parks, and Cultural Activities Strategic Plan (2018-2023)

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## DOUGLAS MACARTHUR SCHOOL - RECREATION PROGRAMMING SPACE

DOCUMENT SUBSECTION: Renovated or New Recreation Facilities

PROJECT LOCATION: 1101 Janneys Lane

MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities

REPORTING AREA: Taylor Run/Duke Street

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation

PROJECT CATEGORY: 3  
ESTIMATE USEFUL LIFE: 30 Years

Douglas MacArthur School - Recreation & Parks Programming Space													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	2,000,000	0	2,000,000	0	0	0	0	0	0	0	0	0	2,000,000
Financing Plan													
GO Bonds	2,000,000	0	2,000,000	0	0	0	0	0	0	0	0	0	2,000,000
Financing Plan Total	2,000,000	0	2,000,000	0	0	0	0	0	0	0	0	0	2,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

Alexandria City Public Schools is in the design process for the new Douglas MacArthur K-5 Elementary School to be located on the current school property at 1101 Janneys Lane. Swing space at the old Patrick Henry Elementary School will be used by students until construction is complete. Students will move into the new MacArthur school building in January 2023. The new facility is proposed to be designed to include approximately 300 square feet of storage and 450 square feet of administrative space dedicated for Recreation program support. In addition, the elementary school gym is proposed to be expanded by 1,200 square feet to provide quality space for the Out of School Time Program and evening community programs. The outdoor amenities are proposed to include an outdoor accessible restroom for program support during non-facility hours.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City co-location options for new public buildings  
Joint Facilities Master Plan

### ADDITIONAL OPERATING IMPACTS

Additional operating impacts will be determined through the design process.

## FORT WARD MANAGEMENT PLAN IMPLEMENTATION

DOCUMENT SUBSECTION:	Renovated or New Recreation Facilities	PROJECT LOCATION:	4301 West Braddock Road
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Seminary Hill
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY:	3
		ESTIMATE USEFUL LIFE:	Varies

Fort Ward Management Plan Implementation													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	1,895,000	975,000	170,000	0	150,000	0	200,000	0	200,000	0	200,000	0	920,000
Financing Plan													
Cash Capital	1,819,000	899,000	170,000	0	150,000	0	200,000	0	200,000	0	200,000	0	920,000
GO Bonds	76,000	76,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,895,000	975,000	170,000	0	150,000	0	200,000	0	200,000	0	200,000	0	920,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Fort Ward Park and Museum Management Plan includes five goal areas and associated recommendations to improve park management/operations (between departments); protect historic and cultural resources currently unmarked/protected; coordinate park improvements with the stormwater master plan; develop historic and cultural interpretation throughout the park; and replace and care for trees. Improvements will be phased over several years to keep the park open to the public while changes are implemented. Priorities for implementing the recommendations of the plan were developed by the Advisory Group, staff and with feedback from the general public. The phased funding plan reflects those priorities. These priorities and the budgeted amounts may be revised in future years based on feedback from the public and the operational needs of Fort Ward.

**FY 2021 Funding:**

- Phase II soft interpretive trail installation (\$40,000)
- Mark and protect Civil War sites, "Fort Ward" Community sites, and burial sites (\$40,000)
- Trail edge reinforcement (\$40,000)
- Plant 75 new trees with 2 year establishment guarantee (\$50,000)

**FY 2023 Funding:**

- Restroom renovation and ADA upgrades (\$150,000)

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Recreation, Parks and Cultural Activities Strategic Plan (2018-2023); 2011-2016 Departmental Strategic Plan - OHA; Recommendation of the Ad Hoc Fort Ward Park Museum Area Stakeholder Advisory Group (2011-2014); 2015 Fort Ward Park and Museum Area Management Plan adopted by the City Council

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## TORPEDO FACTORY PROGRAMMING AND IMPROVEMENTS

DOCUMENT SUBSECTION: Renovated or New Recreation Facilities	PROJECT LOCATION: 0 Cameron Street
MANAGING DEPARTMENT: Department of Recreation, Parks, and Cultural Activities	REPORTING AREA: Old Town
PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY: 1 ESTIMATE USEFUL LIFE: Varies

Torpedo Factory Space Programming & Improvements													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	3,798,175	2,653,175	300,000	445,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	1,145,000
Financing Plan													
Cash Capital	3,798,175	2,653,175	300,000	445,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	1,145,000
Financing Plan Total	3,798,175	2,653,175	300,000	445,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	1,145,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for FY 2021 – FY 2030.

### PROJECT DESCRIPTION & JUSTIFICATION

On November 17, 2018, City Council directed the City Manager to develop, via a public process in coordination with stakeholders, a Torpedo Factory Art Center Vibrancy and Sustainability Plan, and bring that plan to City Council for consideration. Council recognized that substantial capital funding will be required in the decade ahead in order to address current and future Torpedo Factory Art Center facility deficiencies, as well as to address to-be-determined future program needs, and affirmed that the City of Alexandria Office of the Arts will continue as the long-term managing entity responsible for management and operations of the Torpedo Factory Art Center.

The City is currently in the process of developing a Torpedo Factory Art Center Vibrancy and Sustainability Action Plan in FY 2020. As part of this process, the City contracted with a consultant to review the 15 existing studies about the Art Center and develop a set of overarching goals and recommendations based on those existing plans. This “Study of Studies” will help guide the development of the Action Plan. The new facility needs articulated in the Action plan, coupled with the results of the facility assessment survey, will inform the likely substantial future capital needs of the Torpedo Factory. While a wide range of options exist, the costs are likely to be north of \$15 million which would need to be added to future CIPs.

In FY 2021 this project provides funding for short term improvements to the Torpedo Factory Art Center to implement recommendations of the Vibrancy and Sustainability Action Plan. In FY 2022, this project will fund a new space plan to support the outcomes outlined in the Vibrancy and Sustainability Action Plan.

This project provides a small annual funding stream to address minor on-going capital maintenance needs at the Torpedo Factory Art Center beginning in FY 2023. The Torpedo Factory Center Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the City's facilities. In some cases, the City's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so.

The CFMP also provides for the scheduled capital maintenance needs such as painting and floor covering (carpet and tile) replacement; mechanical, electrical, plumbing systems and window replacements. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change. This CFMP is used to maintain building capital assets. Maintenance keeps the building functioning properly, decreases costly repairs, and promotes a healthy environment.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Facility Conditions Assessment of the Torpedo Factory Art Center (2015); A Study of the Studies: Themes and Recommendations for a Vibrant and Sustainable Torpedo Factory Art Center (2019)

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts are anticipated at this time.

# PUBLIC BUILDINGS

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Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>General Government Facilities</b>												
2355 Mill Road CFMP	2,301,581	240,000	245,500	251,100	298,500	827,200	268,500	274,600	301,700	287,000	861,300	3,855,400
Alexandria Transit - DASH CFMP	0	1,642,700	1,351,500	53,100	54,700	56,300	58,000	59,800	61,500	63,400	65,300	3,466,300
Capital Planning & Building Assessment (Condition Assessment)	1,386,000	0	100,000	0	100,000	0	150,000	0	150,000	0	150,000	650,000
City Hall Renovation and HVAC Replacement	7,850,000	1,500,000	4,200,000	51,400,000	4,400,000	0	0	0	0	0	0	61,500,000
City Hall Swing Space	0	0	239,700	6,649,700	1,572,000	0	0	0	0	0	0	8,461,400
Emergency Power Systems	3,879,000	397,000	142,800	307,800	27,100	117,000	287,000	32,900	33,900	34,900	518,000	1,898,400
Energy Management Program	6,255,352	783,500	759,200	789,100	1,015,600	809,600	736,600	757,900	779,300	801,800	824,300	8,056,900
Fleet Building CFMP	670,000	519,000	634,000	526,400	744,000	569,500	1,612,200	886,400	609,600	1,098,300	1,016,900	8,216,300
General Services CFMP	16,516,511	1,109,961	1,579,200	1,616,500	1,625,300	1,075,000	1,659,100	1,550,100	1,174,700	1,209,900	1,246,200	13,845,961
Lee Center CFMP	0	0	96,800	114,900	117,500	158,000	505,600	125,600	148,500	131,300	464,700	1,862,900
Market Square Plaza and Garage Structural Repairs	1,500,000	131,500	8,861,800	0	0	0	0	0	0	0	0	8,993,300
Parking Garages CFMP	0	10,000	10,300	10,700	11,000	11,300	11,600	12,000	12,300	12,700	13,100	115,000
Preventative Maintenance Systems and Staffing Study	350,000	0	0	0	0	0	0	0	0	0	0	0
Roof Replacement Program	5,954,800	2,373,700	366,000	31,600	370,900	742,900	114,000	18,100	0	1,519,700	35,600	5,572,500
Union Station Improvements	0	250,000	0	TBD	TBD	TBD	0	0	0	0	0	250,000
Witter/Wheeler - Fuel Island Renovation	2,650,000	0	0	0	0	0	0	0	0	0	0	0
Witter/Wheeler Campus Funding Reservation	0	0	0	4,000,000	7,000,000	7,000,000	7,000,000	7,000,000	0	0	0	32,000,000
<b>General Government Facilities Total</b>	<b>49,313,244</b>	<b>8,957,361</b>	<b>18,586,800</b>	<b>65,750,900</b>	<b>17,336,600</b>	<b>11,366,800</b>	<b>12,402,600</b>	<b>10,717,400</b>	<b>3,271,500</b>	<b>5,159,000</b>	<b>5,195,400</b>	<b>158,744,361</b>
<b>Library Facilities</b>												
Beatley Building Envelope Restoration	1,170,000	531,300	0	0	0	0	0	0	0	0	0	531,300
Burke Branch Renovation	0	0	825,000	0	0	0	0	0	0	0	0	825,000
Library CFMP	2,521,435	60,500	104,200	49,600	61,300	807,400	983,100	2,806,800	4,768,100	5,850,700	5,754,200	21,245,900
<b>Library Facilities Total</b>	<b>3,691,435</b>	<b>591,800</b>	<b>929,200</b>	<b>49,600</b>	<b>61,300</b>	<b>807,400</b>	<b>983,100</b>	<b>2,806,800</b>	<b>4,768,100</b>	<b>5,850,700</b>	<b>5,754,200</b>	<b>22,602,200</b>
<b>Preservation of Historic Facilities</b>												
City Historic Facilities CFMP	9,346,510	4,665,600	1,593,600	1,362,700	2,444,600	4,528,200	3,050,100	2,042,800	2,229,500	2,803,400	4,215,600	28,936,100
<b>Preservation of Historic Facilities Total</b>	<b>9,346,510</b>	<b>4,665,600</b>	<b>1,593,600</b>	<b>1,362,700</b>	<b>2,444,600</b>	<b>4,528,200</b>	<b>3,050,100</b>	<b>2,042,800</b>	<b>2,229,500</b>	<b>2,803,400</b>	<b>4,215,600</b>	<b>28,936,100</b>
<b>Public Health &amp; Welfare Facilities</b>												
DCHS Consolidation and Co-Location	1,141,104	906,400	8,520,000	11,904,000	0	0	0	0	0	0	0	21,330,400
Health Department CFMP	6,414,000	193,900	11,400	11,700	12,100	12,400	0	0	0	0	0	241,500
Mental Health Residential Facilities CFMP	2,814,995	823,600	845,100	670,600	721,400	632,300	758,800	682,600	752,700	779,400	804,800	7,471,300
<b>Public Health &amp; Welfare Facilities Total</b>	<b>10,370,099</b>	<b>1,923,900</b>	<b>9,376,500</b>	<b>12,586,300</b>	<b>733,500</b>	<b>644,700</b>	<b>758,800</b>	<b>682,600</b>	<b>752,700</b>	<b>779,400</b>	<b>804,800</b>	<b>29,043,200</b>
<b>Public Safety Facilities</b>												
Alexandria Police CFMP	0	150,000	154,500	159,200	164,000	168,900	173,900	179,200	184,500	190,100	195,800	1,720,100
Courthouse CFMP	8,556,600	2,000,000	2,000,000	116,700	120,200	123,900	127,600	131,400	135,300	139,400	143,600	5,038,100
Courthouse/PSC Security System Upgrade	2,255,000	1,073,100	0	0	0	0	0	0	0	0	5,300,700	6,373,800
Fire & Rescue CFMP	9,556,233	662,900	162,100	340,800	1,044,500	1,262,500	1,452,500	372,500	904,000	1,296,000	3,915,100	11,412,900
Fire Station 203 (Cameron Mills)	12,399,000	0	0	0	0	0	0	0	0	0	0	0
Fire Station 207 (Duke Street)	0	0	0	0	5,051,800	3,927,100	12,857,300	0	0	0	0	21,836,200
Fire Station 208 Replacement	0	0	250,000	1,100,000	10,000,000	0	0	0	0	0	0	11,350,000
New Burn Building	0	575,400	0	2,288,800	0	0	0	0	0	0	0	2,864,200
Office of the Sheriff CFMP	9,381,356	192,600	5,363,500	2,266,000	2,217,300	2,818,700	1,802,700	127,600	131,400	135,300	139,400	15,194,500
Pistol Range	2,963,250	0	0	0	0	0	0	0	0	0	0	0
Vola Lawson Animal Shelter	3,436,893	40,000	41,200	42,500	133,000	148,100	269,100	900,000	1,223,300	241,700	271,800	3,310,700
<b>Public Safety Facilities Total</b>	<b>48,548,332</b>	<b>4,694,000</b>	<b>7,971,300</b>	<b>6,314,000</b>	<b>18,730,800</b>	<b>8,449,200</b>	<b>16,683,100</b>	<b>1,710,700</b>	<b>2,578,500</b>	<b>2,002,500</b>	<b>9,966,400</b>	<b>79,100,500</b>
<b>Grand Total</b>	<b>121,269,620</b>	<b>20,832,661</b>	<b>38,457,400</b>	<b>86,063,500</b>	<b>39,306,800</b>	<b>25,796,300</b>	<b>33,877,700</b>	<b>17,960,300</b>	<b>13,600,300</b>	<b>16,595,000</b>	<b>25,936,400</b>	<b>318,426,361</b>

## 2355 MILL ROAD CFMP

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 2355 Mill Road  
 REPORTING AREA: Eisenhower East  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

2355 Mill Road CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	6,156,981	2,301,581	240,000	245,500	251,100	298,500	827,200	268,500	274,600	301,700	287,000	861,300	3,855,400
Financing Plan													
Cash Capital	1,729,000	1,729,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	3,855,400	0	240,000	245,500	251,100	298,500	827,200	268,500	274,600	301,700	287,000	861,300	3,855,400
Prior Capital Funding	572,581	572,581	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	6,156,981	2,301,581	240,000	245,500	251,100	298,500	827,200	268,500	274,600	301,700	287,000	861,300	3,855,400
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to address building improvements necessary to maintain facility at an average "Grade C" across the Public Building's portfolio, based on facilities condition assessment.

### PROJECT DESCRIPTION & JUSTIFICATION

The 2355 Mill Road Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. A feasibility study is being conducted in FY 2020 that will prioritize projects for a renovation of the facility. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

**Facilities covered under this CFMP:**

- 2355 Mill Road

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

2355 Mill Road CFMP (continued)

2355 Mill Road CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Phase I Projects	\$240,000
<b>Total Fiscal Year 2021</b>	<b>\$240,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Phase 2 Projects	\$245,500
<b>Total Fiscal Year 2022</b>	<b>\$ 245,500</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Phase 3 Projects	\$251,100
<b>Total Fiscal Year 2023</b>	<b>\$ 251,100</b>

## ALEXANDRIA TRANSIT - DASH CFMP

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 3000 Business Center Drive  
 REPORTING AREA: King Street Metro/Eisenhower  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Alexandria Transit - DASH CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	3,466,300	0	1,642,700	1,351,500	53,100	54,700	56,300	58,000	59,800	61,500	63,400	65,300	3,466,300
Financing Plan													
GO Bonds	2,816,300	0	1,642,700	701,500	53,100	54,700	56,300	58,000	59,800	61,500	63,400	65,300	2,816,300
State/Federal Grants (Unsecured)	650,000	0	0	650,000	0	0	0	0	0	0	0	0	650,000
Financing Plan Total	3,466,300	0	1,642,700	1,351,500	53,100	54,700	56,300	58,000	59,800	61,500	63,400	65,300	3,466,300
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Alexandria Transit - DASH Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021 - 2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

**Facilities covered under this CFMP:**

- DASH Transit Facility –3000 Business Center Drive

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Alexandria Transit - DASH CFMP (continued)

Alexandria Transit - DASH CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Rollup Door Replacement	\$263,000
Ramp Improvements	\$137,800
Upper Deck Improvements	\$1,100,000
Unexpected Capital Maintenance	\$141,900
<b>Total Fiscal Year 2021</b>	<b>\$1,642,700</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Unexpected Capital Maintenance	\$51,500
In-ground Bus Lift Replacement	\$1,300,000
<b>Total Fiscal Year 2022</b>	<b>\$1,351,500</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Unexpected Capital Maintenance	\$53,100
<b>Total Fiscal Year 2023</b>	<b>\$53,100</b>

## CAPITAL PLANNING & FACILITY CONDITION ASSESSMENTS

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: N/A

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Capital Planning & Building Assessment (Condition Assessment)													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,036,000	1,386,000	0	100,000	0	100,000	0	150,000	0	150,000	0	150,000	650,000
Financing Plan													
Cash Capital	2,036,000	1,386,000	0	100,000	0	100,000	0	150,000	0	150,000	0	150,000	650,000
Financing Plan Total	2,036,000	1,386,000	0	100,000	0	100,000	0	150,000	0	150,000	0	150,000	650,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Facility Conditions Assessment project is an undertaking to document and evaluate the physical condition of various City facilities in the following areas: site conditions, structural integrity, building envelope, building interior, heating, ventilation and air conditioning systems, plumbing and electrical systems, fire suppression systems, and life safety. The assessments include, among other information, deficiencies, inadequacies, and life cycle analysis. The assessments provide the Department of General Services with a comprehensive report of the building conditions that can be used as a tool to plan the necessary improvement work in future Capital Improvement projects. These assessments inform future CIP/CFMP projects and are used to prioritize facility capital asset improvements.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

FY 2018 General Services Departmental Facilities Management Program Work Plan; OMB FY 2018 Initiatives and Priorities Work Plan.

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## CITY HALL RENOVATION AND HVAC REPLACEMENT

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Old Town  
 REPORTING AREA: 301 King St.  
 PROJECT CATEGORY: 2  
 ESTIMATE USEFUL LIFE: 30+ Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

City Hall Renovation and HVAC Replacement													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	69,350,000	7,850,000	1,500,000	4,200,000	51,400,000	4,400,000	0	0	0	0	0	0	61,500,000
Financing Plan													
Cash Capital	3,550,000	3,550,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	65,800,000	4,300,000	1,500,000	4,200,000	51,400,000	4,400,000	0	0	0	0	0	0	61,500,000
Financing Plan Total	69,350,000	7,850,000	1,500,000	4,200,000	51,400,000	4,400,000	0	0	0	0	0	0	61,500,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding amount increased to reflect further scope refinement, further design development, and market drivers.

### PROJECT DESCRIPTION & JUSTIFICATION

This project was initiated with the purpose of replacing the outdated and past their life cycle heating, ventilation and air conditioning systems (HVAC), life safety systems and perform any necessary structural repairs. This work requires the demolition of the ceilings and lighting, and disruption of the HVAC and life safety systems in the work areas, therefore requiring the temporary relocation of the employees to a swing space for the duration of the work. Since the HVAC, life safety and structural work will have a significant impact in disrupting the work space and building operation, and requiring the expense of temporary swing spaces, it is reasonable to be performed at the same time with the newly proposed space planning and space reconfiguration. The goal for space planning and reconfiguration will be to resolve the inefficiencies of the building layout, improve circulation and way-finding, improve work flow between various departments, and create a modern, green, healthy, safe, sustainable environment for the employees to work in and for the residents to do business in. The goal of this project will be to provide a modern facility, with energy efficient and environmentally friendly systems, where the incorporation of green materials and improved space efficiency will create a work and business place that is attractive and welcoming, and in line with the City of Alexandria strategic planning and goals, including the Facilities Strategic Plan adopted in 2018.

A Feasibility study was completed in spring 2014 and an architectural & engineering firm was engaged to provide design documents and construction estimates to address the immediate and priority repairs required for City Hall before FY 2020. It should be noted that the cost of outfitting a swing space for City Hall functions is included in the separate City Hall Swing Space project.

The CIP budget request is at 75% of the current cost estimate. The project's cost estimate will need to be revisited once further work is completed to refine scope and design of City Hall Renovation.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

### CITY HALL SWING SPACE

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 301 King Street  
 REPORTING AREA: Old Town  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

City Hall Swing Space													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	8,461,400	0	0	239,700	6,649,700	1,572,000	0	0	0	0	0	0	8,461,400
Financing Plan GO Bonds	8,461,400	0	0	239,700	6,649,700	1,572,000	0	0	0	0	0	0	8,461,400
Financing Plan Total	8,461,400	0	0	239,700	6,649,700	1,572,000	0	0	0	0	0	0	8,461,400
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

#### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP.

#### PROJECT DESCRIPTION & JUSTIFICATION

Interim leased facility swing space totaling approximately 100,000 square feet will be required while City Hall is fully vacated and unavailable for use during complete building renovation construction. Current office space occupants and City Hall functions will be moved to temporary operational space, or some possibly permanently relocated depending on ultimate programming, occupancy, and use decisions for City Hall.

Leased building facilities within the City of Alexandria will be identified and selected during the separate initial City Hall Swing Space Study, and then renovated and fit-out for relocated City Hall staff and functions.

The interim leased facilities will be renovated utilizing principles in accordance with the City's Green Building Policy and Environmental Action Plan, to the degree feasible for short term leased facilities. The City is not currently planning to seek formal third-party verification for the short-term lease projects (e.g. LEED).

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time. However, based on final configuration, location(s), and size of swing space for relocated employees will result in temporary leasing costs of \$3-\$4 million per year.

## EMERGENCY POWER SYSTEMS

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 11 - 15 Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Emergency Power Systems													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	5,777,400	3,879,000	397,000	142,800	307,800	27,100	117,000	287,000	32,900	33,900	34,900	518,000	1,898,400
Financing Plan													
Cash Capital	1,196,000	1,196,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	4,581,400	2,683,000	397,000	142,800	307,800	27,100	117,000	287,000	32,900	33,900	34,900	518,000	1,898,400
Financing Plan Total	5,777,400	3,879,000	397,000	142,800	307,800	27,100	117,000	287,000	32,900	33,900	34,900	518,000	1,898,400
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for the systematic replacement, placement, and capital maintenance of emergency power systems and emergency power systems infrastructure at City facilities and operations. This project supports public safety and critical community services, including support of the electrification of transportation systems and various building systems by providing resilient and reliable electricity to facilities, equipment, and technologies to meet contemporary standards for constant service delivery. Planning elements include energy assurance and resiliency planning, reflective analyses of current emergency systems requirements, current and future facility use, coordination with emergency response planning, and climate change adaptation and resiliency needs. Design and engineering phases reflect application of appropriate technology solutions to include, but not limited to, conventional emergency generators, uninterrupted power supply (UPS), battery storage systems, micro grids, resiliency hub integration, mobile generator interconnections, solar and renewable power supply sources, building-grid integration and control systems, vehicle-to-grid storage technologies, energy resiliency technologies, and emergency electrical system infrastructure.

Due to the possibility of unexpected or emergency repairs, if efficiencies can be achieved by staging projects together, or if federal or state hazard mitigation grant funding is available, projects may be subject to change or rescheduling.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City Emergency Management Plan; Department COOP Plans.

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Emergency Power Systems (continued)

Emergency Power Systems FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Emergency Power Systems / UPS Replacement Planning, Design, Engineering, Construction (Various Facilities)	\$397,000
<b>Total Fiscal Year 2021</b>	<b>\$397,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Emergency Power Systems / UPS Replacement Planning, Design, Engineering, Construction (Various Facilities)	\$ 142,800
<b>Total Fiscal Year 2022</b>	<b>\$ 142,800</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Emergency Power Systems / UPS Replacement Planning, Design, Engineering, Construction (Various Facilities)	307,800
<b>Total Fiscal Year 2023</b>	<b>\$ 307,800</b>

## ENERGY MANAGEMENT PROGRAM

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 11 - 15 Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Energy Management Program													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	14,312,252	6,255,352	783,500	759,200	789,100	1,015,600	809,600	736,600	757,900	779,300	801,800	824,300	8,056,900
Financing Plan													
Cash Capital	7,622,640	2,461,040	783,500	759,200	411,000	424,000	438,000	377,900	467,000	483,000	500,000	518,000	5,161,600
GO Bond Interest Earnings	102,438	102,438	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	5,979,723	3,084,423	0	0	378,100	591,600	371,600	358,700	290,900	296,300	301,800	306,300	2,895,300
Prior Capital Funding	0	0	0	0	0	0	0	0	0	0	0	0	0
Prior Year CIP/Close-Out	507,451	507,451	0	0	0	0	0	0	0	0	0	0	0
Use of Equipment Replacement f	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	14,312,252	6,255,352	783,500	759,200	789,100	1,015,600	809,600	736,600	757,900	779,300	801,800	824,300	8,056,900
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP. Energy Management Analyst moved from operating budget to CIP as part of FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides energy conservation, energy efficiency, and City-wide energy management solutions to reduce facility and operational energy use and costs. Consistent with City's Eco-City Charter, Environmental Action Plan 2040, 2019 Green Building Policy, and Energy and Climate Action Plan goals; and the City's Energy Management program goals, this project provides facility, operations, employee, and transportation energy conservation, energy efficiency, net-zero energy performance, and renewable energy improvements and the use of energy-efficient technology in new and existing buildings and operations to achieve greater efficiency, resiliency, and to mitigate greenhouse gas emissions. This project also supports necessary energy analysis, planning, strategy development, and implementation to support reduction in energy use and costs and greenhouse gas emissions, including but not limited to: energy audits, strategic energy management planning, climate action and greenhouse gas emissions reduction planning, and renewable energy supply strategy identification and planning, transportation and building electrification planning, and community greenhouse gas reduction opportunities. Projects are evaluated according to financial return investment, energy use and cost reduction, avoided greenhouse gas emissions, and resiliency benefits. Continued emphasis will be placed on:

- Energy consumption analysis;
- Development of strategies to address the largest and most inefficient consumers of energy;
- Promoting energy awareness, policies, and procedures for employee behavior and interaction with building systems;
- Implementation of energy reduction initiatives; and
- Optimization of the City's use of energy resources.

Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change. Implementation supports the objectives to maintain and improve the quality and sustainability of Alexandria's environment by reducing energy use, greenhouse gas emissions, and enhancing the City's Green Building Program and use of renewable and clean energy resources. Additionally, this project improves the effectiveness and efficiency of City programs and activities that achieve results that are valued by the public. Moreover, this project supports the objective to maintain the City's excellent reputation for conservative and prudent financial management by reducing the City's expenditure on electricity, natural gas, water resources, and fuel resources.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eco-City Charter, Environmental Action Plan; Energy and Climate Change Action Plan.

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Energy Management Program (continued)

Energy Management Program FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Energy Management Program Staffing (2.0 FTE)	\$162,470
Renewable Energy Supply Strategy	\$100,000
Energy Audits	\$75,000
Strategic energy Efficiency Technology Implementation (Various Facilities - Lighting, HVAC, BMS, Solar Photovoltaic Systems, Battery Storage)	\$446,030
<b>Total Fiscal Year 2021</b>	<b>\$783,500</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Energy Management Program Staffing (2.0 FTE)	\$ 249,000
Energy Audits	\$ 75,000
Strategic energy Efficiency Technology Implementation (Various Facilities - Lighting, HVAC, BMS, Solar Photovoltaic Systems, Battery Storage)	\$ 435,200
<b>Total Fiscal Year 2022</b>	<b>\$ 759,200</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Energy Management Program Staffing (2.0 FTE)	\$ 261,000
Energy Audits	\$ 75,000
Strategic energy Efficiency Technology Implementation (Various Facilities - Lighting, HVAC, BMS, Solar Photovoltaic Systems, Battery Storage)	\$ 453,100
<b>Total Fiscal Year 2023</b>	<b>\$ 789,100</b>

## FLEET BUILDING CFMP

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 3550 Wheeler Avenue  
 REPORTING AREA: Eisenhower East  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Fleet Building CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	8,886,300	670,000	519,000	634,000	526,400	744,000	569,500	1,612,200	886,400	609,600	1,098,300	1,016,900	8,216,300
Financing Plan													
Cash Capital	670,000	670,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	8,216,300	0	519,000	634,000	526,400	744,000	569,500	1,612,200	886,400	609,600	1,098,300	1,016,900	8,216,300
Financing Plan Total	8,886,300	670,000	519,000	634,000	526,400	744,000	569,500	1,612,200	886,400	609,600	1,098,300	1,016,900	8,216,300
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to address building improvements necessary to maintain facility at an average "Grade C" across the Public Building's portfolio, based on facilities condition assessment.

### PROJECT DESCRIPTION & JUSTIFICATION

The Fleet Building Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

#### Facilities covered under this CFMP:

- 3550 Wheeler Avenue – City and Fire Fleet Maintenance

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Fleet Building CFMP (continued)

Fleet Building CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Exterior Improvements	\$192,000
Emergency Lighting Upgrades	\$101,000
Pump Upgrades	\$210,000
Unexpected Capital Maintenance	\$16,000
<b>Total Fiscal Year 2021</b>	<b>\$519,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Emergency Eyewash Stations	\$21,000
HVAC Upgrades	\$545,000
Unexpected Capital Maintenance	\$68,000
<b>Total Fiscal Year 2022</b>	<b>\$ 634,000</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Parking Lot Repaving	\$270,000
Overhead Door Upgrades	\$186,000
Exhaust Fans Upgrades	\$32,000
Unexpected Capital Maintenance	\$38,400
<b>Total Fiscal Year 2023</b>	<b>\$ 526,400</b>

## GENERAL SERVICES CFMP

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

General Services CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	30,362,472	16,516,511	1,109,961	1,579,200	1,616,500	1,625,300	1,075,000	1,659,100	1,550,100	1,174,700	1,209,900	1,246,200	13,845,961
Financing Plan													
Cash Capital	10,149,953	8,719,453	270,000	360,500	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,430,500
GO Bond Interest Earnings	315,000	315,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	19,621,519	7,206,058	839,961	1,218,700	1,516,500	1,525,300	975,000	1,559,100	1,450,100	1,074,700	1,109,900	1,146,200	12,415,461
Prior Capital Funding	176,000	176,000	0	0	0	0	0	0	0	0	0	0	0
Sale of Property Revenue	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	30,362,472	16,516,511	1,109,961	1,579,200	1,616,500	1,625,300	1,075,000	1,659,100	1,550,100	1,174,700	1,209,900	1,246,200	13,845,961
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Capitalized staff (3.00 FTEs) that were previously paid for out of this project have been moved to the central CIP Development & Implementation project. Contingency funding added for market response repairs and to-be-determined smaller scale improvements at City facilities.

### PROJECT DESCRIPTION & JUSTIFICATION

The General Services Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021 - 2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

General Services CFMP (continued)

General Services CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Unexpected Capital Maintenance	\$ 270,000
Contingency Funding for Market Response Repairs & Improvements	\$ 839,961
<b>Total Fiscal Year 2021</b>	<b>\$ 1,109,961</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Unexpected Capital Maintenance	\$ 360,500
Contingency Funding for Market Response Repairs & Improvements	\$ 1,218,700
<b>Total Fiscal Year 2022</b>	<b>\$ 1,579,200</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Unexpected Capital Maintenance	\$ 371,400
Contingency Funding for Market Response Repairs & Improvements	\$ 1,245,100
<b>Total Fiscal Year 2023</b>	<b>\$ 1,616,500</b>

## LEE CENTER CFMP

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 1108 Jefferson Street  
 REPORTING AREA: Southwest Quadrant  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Lee Center CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,862,900	0	0	96,800	114,900	117,500	158,000	505,600	125,600	148,500	131,300	464,700	1,862,900
Financing Plan													
GO Bonds	1,862,900	0	0	96,800	114,900	117,500	158,000	505,600	125,600	148,500	131,300	464,700	1,862,900
Financing Plan Total	1,862,900	0	0	96,800	114,900	117,500	158,000	505,600	125,600	148,500	131,300	464,700	1,862,900
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Lee Center Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

#### Facilities covered under this CFMP:

- Lee Center
- Adult Day Care
- Fire Training Facility

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Lee Center CFMP (continued)

Lee Center CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
No Planned Projects	\$0
<b>Total Fiscal Year 2021</b>	<b>\$0</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Lee Center Pump Renewals	\$90,000
Unexpected Capital Maintenance	\$6,800
<b>Total Fiscal Year 2022</b>	<b>\$ 96,800</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Fire Training Exit Sign Upgrades	\$12,000
Adult Day Care Exit Sign Upgrades	\$11,000
Lee Center HVAC Upgrades	\$54,000
Fire Training HVAC Upgrades	\$5,000
Water and Sanitary Line Study	\$5,000
Unexpected Capital Maintenance	\$27,900
<b>Total Fiscal Year 2023</b>	<b>\$ 114,900</b>

## MARKET SQUARE PLAZA AND GARAGE STRUCTURAL REPAIRS

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 301 King St.  
 REPORTING AREA: Old Town  
 PROJECT CATEGORY: 2  
 ESTIMATE USEFUL LIFE: 30+ Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Market Square Plaza and Garage Structural Repairs													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	10,493,300	1,500,000	131,500	8,861,800	0	0	0	0	0	0	0	0	8,993,300
Financing Plan													
Cash Capital	190,000	190,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	10,303,300	1,310,000	131,500	8,861,800	0	0	0	0	0	0	0	0	8,993,300
Financing Plan Total	10,493,300	1,500,000	131,500	8,861,800	0	0	0	0	0	0	0	0	8,993,300
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Market Square Plaza was constructed in 1966 after the City of Alexandria acquired the full block of commercial structures located on Sharpship Alley adjacent to the City Hall south entrance and demolished the existing buildings. The plaza includes the multi-story underground garage and the fountain. This project will resolve several conditions present at the Market Square Garage and Plaza which if left unresolved will continue to deteriorate. The conditions identified include: structural issues at the garage, water leakage at the fountain, drainage issues causing water infiltrations at the garage stairs, electrical malfunctions of the plaza lighting, and identified improvements to the plaza stairs and pavers. FY 2017 funding was used to assess the current conditions and design the repair project. A portion of the funding was used for immediate repairs to address immediate health and safety concerns. Additional testing was one of the recommendations from the completed assessment to confirm the extent of the repairs needed to protect the health and wellbeing of the users. Funding in FY 2021 and FY 2022 will be used for construction to address the already identified deficiencies and any additional issues identified in the testing results.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## PARKING GARAGES CFMP

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Parking Garages CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	115,000	0	10,000	10,300	10,700	11,000	11,300	11,600	12,000	12,300	12,700	13,100	115,000
Financing Plan													
Cash Capital	115,000	0	10,000	10,300	10,700	11,000	11,300	11,600	12,000	12,300	12,700	13,100	115,000
Financing Plan Total	115,000	0	10,000	10,300	10,700	11,000	11,300	11,600	12,000	12,300	12,700	13,100	115,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Parking Garages Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

#### Facilities covered under this CFMP:

- Courthouse Garage
- Thompson Alley Garage
- 220 N Union Street Garage
- Market Square Garage

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Parking Garages CFMP (continued)

Parking Garages CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Unexpected Capital Maintenance	\$10,000
<b>Total Fiscal Year 2021</b>	<b>\$10,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Unexpected Capital Maintenance	\$10,300
<b>Total Fiscal Year 2022</b>	<b>\$ 10,300</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Unexpected Capital Maintenance	\$10,700
<b>Total Fiscal Year 2023</b>	<b>\$ 10,700</b>

## PREVENTATIVE MAINTENANCE SYSTEMS AND STAFFING STUDY

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: N/A

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Preventative Maintenance Systems and Staffing Study													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The project funds two ongoing studies that were recommended by the Ad Hoc Joint City-School Facilities Investment Task Force. The task force was established to oversee the development of a Joint City-Schools Facility Capital Improvement Plan and provide recommendations related to capital project development, alternative project delivery methods, and preventative maintenance practices.

- **Preventative Maintenance System Study** - the Task Force found that Department of General Services (DGS), Alexandria City Public Schools (ACPS), and the Alexandria Fire Department (AFD) have three different work order tracking systems with varying and often limited capabilities for preventive maintenance scheduling, which creates inefficiencies and lacks standard performance outcomes. It was recommended that DGS, ACPS, and AFD establish a common, cost-effective approach to track and manage preventive maintenance needs, by enhancing an existing system or by selecting a new system that meets the collective needs. This study is researching the needs requirements of the City agencies and conducting a feasibility assessment of systems currently in use by the City and/or new systems to meet these needs requirements.
- **Staffing Study** - the Task Force also found that the existing staffing levels and other resources are strained and rely on vendors to inform and complete much of the preventive maintenance work. It was recommended that the City and ACPS identify optimal staffing levels, structures, and resources for maintenance and operation needs with strategies for how best to provide that capability. This study will determine optimal staffing levels for the City staff.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Recommendations from the Ad-Hoc Joint City/School Facilities Investment Task Force.

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## ROOF REPLACEMENT PROGRAM

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 30+ Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Roof Replacement Program													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	11,527,300	5,954,800	2,373,700	366,000	31,600	370,900	742,900	114,000	18,100	0	1,519,700	35,600	5,572,500
Financing Plan													
Cash Capital	340,000	340,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	11,187,300	5,614,800	2,373,700	366,000	31,600	370,900	742,900	114,000	18,100	0	1,519,700	35,600	5,572,500
Financing Plan Total	11,527,300	5,954,800	2,373,700	366,000	31,600	370,900	742,900	114,000	18,100	0	1,519,700	35,600	5,572,500
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This program will provide for the inspection, design and replacement of aging roof systems within the City. While the City performs ongoing maintenance and repairs to roofs, eventual replacement is a necessary investment. Recent roof replacements have incorporated improved materials and roofing technologies which enhance building efficiency. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## Roof Replacement Program (continued)

## Roof Replacement Program FY 2021 - FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
610 Notabene Drive	\$31,000
Durant Recreation Center	\$328,000
Fire Station 201	\$256,000
Fort Ward - Maintenance Building and Officer Hut	\$23,000
Friendship Fire House	\$10,000
Gadsbys Museum	\$127,000
Public Safety Center - Admin Wing	\$250,000
Ramsay House Visitors Center	\$15,000
Reeder House	\$550,000
Vola Lawson Animal Shelter	\$295,000
Watson Reading	\$3,000
Unexpected Capital Maintenance	\$485,700
<b>Total Fiscal Year 2021</b>	<b>\$2,373,700</b>

<b>Fiscal Year 2022</b>	
Description	Amount
633 N Columbus Street	\$40,000
Fire Station 204	\$220,000
Fire Station 206	\$20,000
Unexpected Capital Maintenance	\$86,000
<b>Total Fiscal Year 2022</b>	<b>\$ 366,000</b>

<b>Fiscal Year 2023</b>	
Description	Amount
522 E Windsor Avenue	\$28,000
Unexpected Capital Maintenance	\$3,600
<b>Total Fiscal Year 2023</b>	<b>\$ 31,600</b>

## UNION STATION IMPROVEMENTS

DOCUMENT SUBSECTION: General Government Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 110 Callahan Drive  
 REPORTING AREA: King Street Metro/Eisenhower Ave.

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Union Station Improvements													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	250,000	0	250,000	0	TBD	TBD	TBD	0	0	0	0	0	250,000
Financing Plan													
Cash Capital	250,000	0	250,000	0	0	0	0	0	0	0	0	0	250,000
Financing Plan Total	250,000	0	250,000	0	0	0	0	0	0	0	0	0	250,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

In December 2019, the Commonwealth of Virginia announced plans to buy 225 miles of track, and substantially expand VRE and AMTRAK services from Washington D.C. to Richmond by the year 2030. Maryland’s MARC commuter rail service is also discussing extending service to Alexandria. Due to the anticipated increase in services and passengers, a study will be conducted to look at the current Union Station facility and possible expansion of the platform, facility, and services. A plan for the current gravel lot in regard to future parking will also be developed. Outside federal and state funding may possibly be available.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## WITTER/WHEELER - FUEL ISLAND RENOVATION

DOCUMENT SUBSECTION: General Government Facilities

PROJECT LOCATION: 3400 Duke Street

MANAGING DEPARTMENT: Department of General Services

REPORTING AREA: Seminary Hill

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: 2  
ESTIMATE USEFUL LIFE: 21 - 25 Years

Witter/Wheeler - Fuel Island Renovation													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,650,000	2,650,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	600,000	600,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	2,050,000	2,050,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,650,000	2,650,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

Operation of the fuel island allows the City to maintain the quality and “cleanliness” of fuel therefore, preventing damage to City equipment from substandard fuel or lack of additives, and exclusivity of supply compared to obtaining from a retail location, saving the City approximately 20% on fuel costs as compared to fueling at retail locations.

The City Fuel Island was constructed in 1982 and some repairs and renovations were performed in 1995. The Department of General Services hired a consultant to perform an assessment of the Fuel Island which concluded that the electrical system is in an advanced state of deterioration and recommended replacement. Additionally, the canopy and underground tanks are approaching the end of their expected lifespan.

Prior year funding supports the design and implementation of the renovation, including electrical system renovation, replacement of fuel dispensing infrastructure, replacement of the fuel tanks and canopy, and providing resilient emergency generator support for fuel distribution to City operations during power outages.

This project is part of the Witter Wheeler Master Plan and replacement timing will be coordinated with the implementation of the plan.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## BEATLEY BUILDING ENVELOPE RESTORATION

DOCUMENT SUBSECTION: Library Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 5005 Duke St.  
 REPORTING AREA: Landmark/Van Dorn  
 PROJECT CATEGORY: 2  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 7: Thriving Children & Youth

Beatley Building Envelope Restoration													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,701,300	1,170,000	531,300	0	0	0	0	0	0	0	0	0	531,300
Financing Plan													
Cash Capital	80,000	80,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	1,621,300	1,090,000	531,300	0	0	0	0	0	0	0	0	0	531,300
Financing Plan Total	1,701,300	1,170,000	531,300	0	0	0	0	0	0	0	0	0	531,300
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding in the amount of \$531,300 added in FY 2021.

### PROJECT DESCRIPTION & JUSTIFICATION

In FY 2014, a project was submitted in the Library CFMP that addressed exterior brick work and refurbishment of the internal gutter system due to seam failures. These repairs were needed due to water infiltration into the building. Upon further investigation during this project, other envelope failures became apparent. The Friends of the Beatley Library hired a water restoration engineering firm to observe the current water intrusion issues and provide a report regarding their findings and costs associated with their recommendations. This project is based on those recommendations and estimated costs and includes the following work: replacement of exterior glass doors, replacement of window units, landscape modification, flat roof replacement, replacement of first and second story flashing and exterior sealant.

Completion of this project will help maintain the building by keeping the interior of the building from water infiltration, decreasing costly repairs, and promoting a healthy environment.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## BURKE BRANCH RENOVATION

DOCUMENT SUBSECTION: Library Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 4701 Seminary Rd  
 REPORTING AREA: Seminary Hill

PRIMARY STRATEGIC THEME: Theme 7: Thriving Children & Youth

PROJECT CATEGORY: 2  
 ESTIMATE USEFUL LIFE: Varies

Burke Branch Renovation													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	825,000	0	0	825,000	0	0	0	0	0	0	0	0	825,000
Financing Plan													
GO Bonds	825,000	0	0	825,000	0	0	0	0	0	0	0	0	825,000
Financing Plan Total	825,000	0	0	825,000	0	0	0	0	0	0	0	0	825,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Burke facility’s first floor space was altered while occupied by Alexandria City Public Schools (ACPS) and the current configuration does not align with the needs identified by the Alexandria Library. Renovating the first floor could provide for community meeting room space, instructional areas, a technology lab, quiet study areas, and additional space for children’s and family programming.

This project will involve two phases:

- Phase 1 involves programming, feasibility study, and design for renovating the ground floor of the Burke Branch Library, which was vacated by the Alexandria City Public Schools (ACPS) in 2014. The study will include code requirements for bathrooms and consider the City’s Green Building Policy in its recommendations for design and construction.
- Phase 2 involves the renovation of the space and is planned for FY 2022

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## LIBRARY CFMP

DOCUMENT SUBSECTION: Library Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Library CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	23,767,335	2,521,435	60,500	104,200	49,600	61,300	807,400	983,100	2,806,800	4,768,100	5,850,700	5,754,200	21,245,900
Financing Plan													
Cash Capital	1,631,435	1,631,435	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	22,135,900	890,000	60,500	104,200	49,600	61,300	807,400	983,100	2,806,800	4,768,100	5,850,700	5,754,200	21,245,900
Financing Plan Total	23,767,335	2,521,435	60,500	104,200	49,600	61,300	807,400	983,100	2,806,800	4,768,100	5,850,700	5,754,200	21,245,900
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to address building improvements necessary to maintain facility at an average "Grade C" across the Public Building's portfolio, based on facilities condition assessment.

### PROJECT DESCRIPTION & JUSTIFICATION

The Library Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

**Facilities covered under this CFMP:**

- Barrett Library
- Beatley Central Library
- Burke Library
- Duncan Library

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Library CFMP (continued)

Library CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Barrett Library Exterior Painting	\$16,000
Barrett Library HVAC Upgrades	\$39,000
Unexpected Capital Maintenance	\$5,500
<b>Total Fiscal Year 2021</b>	<b>\$60,500</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Duncan Library Fire Alarm Renewal	\$96,000
Unexpected Capital Maintenance	\$8,200
<b>Total Fiscal Year 2022</b>	<b>\$ 104,200</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Bealtery Library HVAC Upgrades	\$45,000
Unexpected Capital Maintenance	\$4,600
<b>Total Fiscal Year 2023</b>	<b>\$ 49,600</b>

## CITY HISTORIC FACILITIES CFMP

DOCUMENT SUBSECTION: Preservation of Historic Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

City Historic Facilities CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	38,282,610	9,346,510	4,665,600	1,593,600	1,362,700	2,444,600	4,528,200	3,050,100	2,042,800	2,229,500	2,803,400	4,215,600	28,936,100
Financing Plan													
Cash Capital	4,064,162	4,064,162	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	531,000	531,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	31,096,416	4,603,316	2,222,600	1,593,600	1,362,700	2,444,600	4,528,200	3,050,100	2,042,800	2,229,500	2,803,400	4,215,600	26,493,100
Prior Capital Funding	49,264	49,264	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	2,541,768	98,768	2,443,000	0	0	0	0	0	0	0	0	0	2,443,000
Financing Plan Total	38,282,610	9,346,510	4,665,600	1,593,600	1,362,700	2,444,600	4,528,200	3,050,100	2,042,800	2,229,500	2,803,400	4,215,600	28,936,100
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to address building improvements necessary to maintain facility at an average “Grade C” across the Public Building’s portfolio, based on facilities condition assessment. Funding plan also reflects the \$2.4 million grant provide by the state for renovation and expansion of the 1315 Duke Street site.

### PROJECT DESCRIPTION & JUSTIFICATION

The City Historic Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility’s physical plant. In some cases, the facility’s equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

#### Facilities covered under this CFMP:

- American Legion
- Apothecary Museum
- Archaeology Space located at the Torpedo Factory
- Archives and Records
- Black History Museum
- Fort Ward
- 1315 Duke Street
- Friendship Firehouse
- Gadsby’s Museum and Restaurant
- Lloyd House
- Lyceum
- Ramsay Visitors Center
- Murray-Dick-Fawcett House
- Union Station
- Watson Reading Room

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## City Historic Facilities CFMP (continued)

## City Historic Facilities CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
1315 Duke Street Renovation and Museum Expansion	\$2,443,000
Gadsby's Complex Phase I Projects	\$1,000,000
Reeder House Exterior Improvements	\$750,000
Reeder House HVAC Upgrades	\$2,000
Reeder House Fire Alarm Upgrade	\$8,000
Unexpected Capital Maintenance	\$462,600
<b>Total Fiscal Year 2021</b>	<b>\$4,665,600</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Gadsby's Complex Projects Phase 2	\$500,000
Apothecary Museum Exterior Improvements	\$22,000
Apothecary Museum Fire Alarm Upgrade	\$8,000
Black History HVAC Upgrade	\$60,000
Black History Emergency Lighting Upgrade	\$18,000
Friendship Fire House Exterior Improvements	\$16,000
Friendship Fire House Fire Alarm Upgrade	\$17,000
Friendship Fire House Emergency Lighting Upgrade	\$33,000
Ramsay House Exterior Improvements	\$95,000
Watson Reading Room Exterior Improvements	\$4,000
Watson Reading Room Water Heater Upgrade	\$7,500
Watson Reading Room Emergency Lighting Upgrade	\$5,000
Archives and Records Exterior Improvements	\$88,000
Archives and Records Emergency Lighting Upgrade	\$125,000
Fort Ward Exterior Improvements	\$50,000
Fort Ward Water Heater Upgrade	\$6,000
Lloyd House HVAC Upgrades	\$243,000
Lloyd House Fire Alarm Upgrade	\$46,000
Lloyd House Water Heater Upgrade	\$7,500
Lyceum Exterior Improvements	\$38,000
Lyceum Water Heater Upgrade	\$6,000
Union Station Exterior Door Improvements	\$55,000
Unexpected Capital Maintenance	\$143,600
<b>Total Fiscal Year 2022</b>	<b>\$ 1,593,600</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Gadsby's Complex Projects Phase 3	\$500,000
Fort Ward Earthen Rampart Walls	\$650,000
Fort Ward Revetments	\$71,000
Fort Ward Front Entrance Gate	\$17,000
Unexpected Capital Maintenance	\$124,700
<b>Total Fiscal Year 2023</b>	<b>\$ 1,362,700</b>

## DCHS CONSOLIDATION AND CO-LOCATION

DOCUMENT SUBSECTION: Public Health and Welfare Facilities	PROJECT LOCATION: 4850 Mark Center Drive
MANAGING DEPARTMENT: Department of General Services	REPORTING AREA: Beauregard
PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government	PROJECT CATEGORY: 1 ESTIMATE USEFUL LIFE: Varies

DCHS Consolidation and Co-Location													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	22,471,504	1,141,104	906,400	8,520,000	11,904,000	0	0	0	0	0	0	0	21,330,400
Financing Plan													
Cash Capital	1,141,104	1,141,104	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	21,330,400	0	906,400	8,520,000	11,904,000	0	0	0	0	0	0	0	21,330,400
Financing Plan Total	22,471,504	1,141,104	906,400	8,520,000	11,904,000	0	0	0	0	0	0	0	21,330,400
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding in the amount of \$21.3 million is reflected to the project for implementation and buildout of consolidated location. This is consistent with the financial plan presented, along with the lease approval, to City Council in late 2018.

### PROJECT DESCRIPTION & JUSTIFICATION

Operations in Alexandria for the Department of Community & Human Services, Neighborhood Health, and the Virginia Department of Health currently occupy over 210,000 SF in eight locations across the City. This project will take over 700 employees that serve clients in approximately 182,000 SF at six locations and consolidate them into a single location at 4850 Mark Center Drive, beginning in FY 2023. The facility will be renovated utilizing principles in accordance with the City's Green Building Policy, Environmental Action Plan, and the City's Space Standards for the work place, to the degree feasible.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## HEALTH DEPARTMENT CFMP

DOCUMENT SUBSECTION: Public Health & Welfare Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Alexandria West  
 REPORTING AREA: Alexandria West  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Health Department CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	6,655,500	6,414,000	193,900	11,400	11,700	12,100	12,400	0	0	0	0	0	241,500
Financing Plan													
Cash Capital	341,500	100,000	193,900	11,400	11,700	12,100	12,400	0	0	0	0	0	241,500
GO Bonds	6,314,000	6,314,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	6,655,500	6,414,000	193,900	11,400	11,700	12,100	12,400	0	0	0	0	0	241,500
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Health Department Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

**Facilities covered under this CFMP:**

- 4480 King Street
- Flora Casey Clinic

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Health Department CFMP (continued)

Health Department CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Casey Fire Alarm System Renewal	\$131,000
Casey Emergency Generator Upgrade	\$18,000
Casey Exit Sign Renewal	\$29,000
Unexpected Capital Maintenance	\$15,900
<b>Total Fiscal Year 2021</b>	<b>\$193,900</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Unexpected Capital Maintenance	\$11,400
<b>Total Fiscal Year 2022</b>	<b>\$ 11,400</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Unexpected Capital Maintenance	\$11,700
<b>Total Fiscal Year 2023</b>	<b>\$ 11,700</b>

## MENTAL HEALTH RESIDENTIAL FACILITIES CFMP

DOCUMENT SUBSECTION: Public Health & Welfare Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Mental Health Residential Facilities CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	10,286,295	2,814,995	823,600	845,100	670,600	721,400	632,300	758,800	682,600	752,700	779,400	804,800	7,471,300
Financing Plan													
Cash Capital	2,051,120	2,051,120	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	8,235,175	763,875	823,600	845,100	670,600	721,400	632,300	758,800	682,600	752,700	779,400	804,800	7,471,300
Financing Plan Total	10,286,295	2,814,995	823,600	845,100	670,600	721,400	632,300	758,800	682,600	752,700	779,400	804,800	7,471,300
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to address building improvements necessary to maintain facility at an average “Grade C” across the Public Building’s portfolio, based on facilities condition assessment.

### PROJECT DESCRIPTION & JUSTIFICATION

The Mental Health Residential Facilities Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility’s physical plant. In some cases, the facility’s equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

**Facilities covered under this CFMP:**

- All Group Homes and Residences

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Mental Health Residential Facilities CFMP (continued)

Mental Health Residential Facilities CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Exterior Improvements - Various Homes	\$260,000
Water Heater Upgrades - Various Homes	\$255,000
HVAC Upgrades - Various Homes	\$165,000
Fire Alarm Upgrades - Various Homes	\$65,000
Emergency Lighting Upgrades - Various Homes	\$20,000
Unexpected Capital Maintenance	\$58,600
<b>Total Fiscal Year 2021</b>	<b>\$823,600</b>

<b>Fiscal Year 2022</b>	
Description	Amount
HVAC Improvements - Various Homes	\$790,000
Unexpected Capital Maintenance	\$55,100
<b>Total Fiscal Year 2022</b>	<b>\$ 845,100</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Interior Improvements - Various Homes	\$510,000
HVAC Improvements - Various Homes	\$97,000
Unexpected Capital Maintenance	\$63,600
<b>Total Fiscal Year 2023</b>	<b>\$ 670,600</b>

## ALEXANDRIA POLICE CFMP

DOCUMENT SUBSECTION: Public Safety Facilities	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of General Services	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government	PROJECT CATEGORY: 1
	ESTIMATE USEFUL LIFE: Varies

Alexandria Police CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,720,100	0	150,000	154,500	159,200	164,000	168,900	173,900	179,200	184,500	190,100	195,800	1,720,100
Financing Plan GO Bonds	1,720,100	0	150,000	154,500	159,200	164,000	168,900	173,900	179,200	184,500	190,100	195,800	1,720,100
Financing Plan Total	1,720,100	0	150,000	154,500	159,200	164,000	168,900	173,900	179,200	184,500	190,100	195,800	1,720,100
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Alexandria Police Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

#### Facilities covered under this CFMP:

- Alexandria Police Headquarters
- Pistol Range
- Canine Facility

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Alexandria Police CFMP (continued)

Alexandria Police CFMP FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Unexpected Capital Maintenance	\$150,000
<b>Total Fiscal Year 2021</b>	<b>\$150,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Unexpected Capital Maintenance	\$ 154,500
<b>Total Fiscal Year 2022</b>	<b>\$ 154,500</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Unexpected Capital Maintenance	\$ 159,200
<b>Total Fiscal Year 2023</b>	<b>\$ 159,200</b>

## COURTHOUSE CFMP

DOCUMENT SUBSECTION: Public Safety Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 520 King Street  
 REPORTING AREA: Old Town  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 16 - 20 Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Courthouse CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	13,594,700	8,556,600	2,000,000	2,000,000	116,700	120,200	123,900	127,600	131,400	135,300	139,400	143,600	5,038,100
Financing Plan													
Cash Capital	6,937,600	4,937,600	0	2,000,000	0	0	0	0	0	0	0	0	2,000,000
GO Bond Interest Earnings	180,000	180,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	6,477,100	3,439,000	2,000,000	0	116,700	120,200	123,900	127,600	131,400	135,300	139,400	143,600	3,038,100
Financing Plan Total	13,594,700	8,556,600	2,000,000	2,000,000	116,700	120,200	123,900	127,600	131,400	135,300	139,400	143,600	5,038,100
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to address building improvements necessary to maintain facility at an average "Grade C" across the Public Building's portfolio, based on facilities condition assessment.

### PROJECT DESCRIPTION & JUSTIFICATION

The Courthouse Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

In FY 2015, the Courthouse was included in the Facility Conditions Assessments. The results of the assessment clearly defined 10 years of facility maintenance repairs and their corresponding costs and projects that require renewal, at the same time creating efficiencies that can be achieved by staging projects together. Based on the findings of the assessment, a feasibility study was conducted in FY 2019 - 2020. The feasibility study and subsequent design will provide a multi-year phased plan for renovations in order to keep the Courthouse open and functional.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Courthouse CFMP (continued)

Courthouse CFMP FY 2021 - FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Phase Three Renovations	\$2,000,000
<b>Total Fiscal Year 2021</b>	<b>\$2,000,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Phase Four Renovations	\$2,000,000
<b>Total Fiscal Year 2022</b>	<b>\$ 2,000,000</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Unexpected Capital Maintenance	\$116,700
<b>Total Fiscal Year 2023</b>	<b>\$ 116,700</b>

## COURTHOUSE/PSC SECURITY SYSTEM UPGRADE

DOCUMENT SUBSECTION: Public Safety Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 2  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

Courthouse/PSC Security System Upgrade													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	8,628,800	2,255,000	1,073,100	0	0	0	0	0	0	0	0	5,300,700	6,373,800
Financing Plan													
Cash Capital	2,255,000	2,255,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	6,373,800	0	1,073,100	0	0	0	0	0	0	0	0	5,300,700	6,373,800
Financing Plan Total	8,628,800	2,255,000	1,073,100	0	0	0	0	0	0	0	0	5,300,700	6,373,800
Additional Operating Impact	3,151,600	0	0	279,100	292,800	307,200	322,300	338,100	354,700	372,200	390,600	494,600	3,151,600

### CHANGES FROM PRIOR YEAR CIP

Funding in the amount of \$1,073,100 added in FY 2021.

### PROJECT DESCRIPTION & JUSTIFICATION

This project replaces existing outdated, obsolete software and related hardware security systems that are critical to optimal security measures required at the Courthouse (501 King Street) and PSC William G. Truesdale Adult Detention Center (2001-2003 Mill Road). At the Courthouse, the security alarms and notifications part of the system failed in December 2015. The repercussions were that Sheriff staff would not be notified of any alarms that would potentially be set off; i.e. someone trying to get in or out of the facility. This failure created significant interruptions to Sheriff staff operations at the Courthouse which required deputies to implement manual security measures, increasing workload requirements. Guards had to “sweep” the Courthouse building every few hours, checking doors and securing the premises. This also impacted security measures at the detention center as deputies had to be reassigned to the Courthouse. The disruption lasted over a week due to the lack of technical support no longer provided by the vendor. Parts are limited and little inventory exists to address even minor essential items. Although security technicians are able to make some repairs, the risk of system failure increases over time. A security expert conducted an assessment and submitted their report in January 2016 recommending immediate upgrades to the security systems at each facility. The recommendation includes replacement of the existing software and installation of compatible security systems equipment and devices. This includes cameras, touchscreens, watch tour, reports, monitors, integration with workstation panels, and card access with photo and tracking. Planned funding includes costs for electrical upgrades and IT communication systems that are required for a system upgrade.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## FIRE & RESCUE CFMP

DOCUMENT SUBSECTION: Public Safety Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

Fire & Rescue CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	20,969,133	9,556,233	662,900	162,100	340,800	1,044,500	1,262,500	1,452,500	372,500	904,000	1,296,000	3,915,100	11,412,900
Financing Plan													
Cash Capital	4,137,791	4,137,791	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	434,313	434,313	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	16,397,029	4,984,129	662,900	162,100	340,800	1,044,500	1,262,500	1,452,500	372,500	904,000	1,296,000	3,915,100	11,412,900
Financing Plan Total	20,969,133	9,556,233	662,900	162,100	340,800	1,044,500	1,262,500	1,452,500	372,500	904,000	1,296,000	3,915,100	11,412,900
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to address building improvements necessary to maintain facility at an average "Grade C" across the Public Building's portfolio, based on facilities condition assessment.

### PROJECT DESCRIPTION & JUSTIFICATION

The Fire and Rescue Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

**Facilities covered under this CFMP:**

- Fire Station 201 (Old Town) - 317 Prince Street, Alexandria, VA 22314
- Fire Station 202 (Del Ray) - 213 East Windsor Avenue, Alexandria, VA 22301
- Fire Station 203 (Beverly Hills) - 2801 Cameron Mills Road, Alexandria, VA 22302
- Fire Station 204 (Powhatan Park) - 900 Second Street, Alexandria, VA 22314
- Fire Station 205 (Rosemont) - 1210 Cameron Street, Alexandria, VA 22314
- Fire Station 206 (Seminary Valley) - 4609 Seminary Road, Alexandria, VA 22304
- Fire Station 207 (Cameron Valley) - 3301 Duke Street, Alexandria, VA 22314
- Fire Station 208 (Landmark) - 175 North Paxton Street, Alexandria, VA 22304
- Fire Station 209 (Potomac Yards) - 2800 Main Line Boulevard, Alexandria, VA 22305
- Fire Station 210 (Eisenhower Valley) - 5255 Eisenhower Avenue, Alexandria, VA 22304

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## Fire &amp; Rescue CFMP (continued)

## Fire &amp; Rescue CFMP FY 2021 - FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Fire Station Door Project	\$525,000
Fire Station 209 Front Ramp Assessment	\$7,000
Fire Station 205 Exterior Painting	\$4,000
Fire Station 205 Interior Upgrades	\$22,000
Fire Station 205 HVAC Upgrades	\$80,000
Unexpected Capital Maintenance	\$24,900
<b>Total Fiscal Year 2021</b>	<b>\$662,900</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Fire Station 206 Interior Upgrades	\$34,000
Fire Station 202 Interior Upgrades	\$28,000
Fire Station 202 HVAC Upgrades	\$55,000
Fire Station 202 Parking Lot Improvements	\$27,000
Unexpected Capital Maintenance	\$18,100
<b>Total Fiscal Year 2022</b>	<b>\$ 162,100</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Fire Station 201 Exterior Window Renewal	\$135,000
Fire Station 201 Interior Upgrades	\$23,000
Fire Station 201 Fire Alarm Upgrade	\$58,000
Fire Station 202 HVAC Upgrades	\$70,000
Fire Station 205 Exterior Door Upgrades	\$26,000
Unexpected Capital Maintenance	\$28,800
<b>Total Fiscal Year 2023</b>	<b>\$ 340,800</b>

## FIRE STATION 203 (CAMERON MILLS)

DOCUMENT SUBSECTION: Public Safety Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 2801 Cameron Mills Rd.  
 REPORTING AREA: North Ridge/Rosemont  
 PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 30+ Years

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

Fire Station 203 (Cameron Mills)													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	12,399,000	12,399,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	1,100,000	1,100,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	11,299,000	11,299,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	12,399,000	12,399,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

Station 203, located in the Beverly Hills area, was built in 1948 and is 72 years old. The Station's two bays house an Engine, a Ladder Truck, and an EMS Supervisor vehicle. This project funds a demolition-replacement of the current facility, with the rationale as follows: (1) December 2008 findings of an independent architectural-engineering firm determined that renovation was not economically feasible due to existing structural constraints and recommended demolition of the existing structure and construction of a new station on the same site; (2) Station 203 houses a Ladder Truck, not because the location requires this vehicle but because the Truck can fit in 203; this "force-fit" adversely affects Fire Department response times throughout the City. (Construction plans for Stations 203, 205, 206, and 207 address this larger issue of response vehicle locations); (3) This "force-fit" also prevents the accommodation of a much needed Advanced Life Support (ALS) capability for the Beverly Hills area, where none currently exists; and, (4) the current Station provides insufficient living space for assigned staff, e.g., female sleeping and shower facilities are located on separate floors, and the physical condition of the Station presently needs major improvements.

Full-scale design began in FY 2016 and construction began in spring 2019. City staff has determined that this is an optimal location for the service delivery through a Fire Station Location Study completed in FY 2017. Completion of this project will enhance Fire Department prevention and response delivery services by operating a new station that is safe, effective, and efficient.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Recommended by 2007 TriData Assessment of Alexandria Fire Department; Fire Station Study completed in 2008; and FY2010 Alexandria Fire Department Facilities Renovation and Construction Program.

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## FIRE STATION 207 (DUKE STREET)

DOCUMENT SUBSECTION: Public Safety Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 3301 Duke St.  
 REPORTING AREA: Taylor Run  
 PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 30+ Years

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

Fire Station 207 (Duke Street)													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	21,836,200	0	0	0	0	5,051,800	3,927,100	12,857,300	0	0	0	0	21,836,200
Financing Plan GO Bonds	21,836,200	0	0	0	0	5,051,800	3,927,100	12,857,300	0	0	0	0	21,836,200
Financing Plan Total	21,836,200	0	0	0	0	5,051,800	3,927,100	12,857,300	0	0	0	0	21,836,200
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recoded as part of the development of the Proposed FY 2021 - FY 2030 CIP and moved to FY 2024 – FY 2026 timeframe.

### PROJECT DESCRIPTION & JUSTIFICATION

Fire Station 207, built in 1963, is currently 57 years old and will be 13 years beyond the useful life cycle for a fire station at the time the planned construction of its replacement (FY 2026) is anticipated. The current facility is not adequate to accommodate the current specifications of an up-to-date fire station and the site is not ideally located to provide optimal service coverage to the community nor is the current site large enough to fulfil the needs of a larger fire station.

To serve the community effectively, the fire station will need to be built in a new location and to current industry specifications. The planned funding for this project includes funding for land acquisition for a new location for Fire Station 207. Having this new fire station will allow the fire department to have more capacity when it comes to handling emergencies. The current plan for the new facility will be approximately 15,000 square feet and include three drive-through bays to accommodate an engine, a specialty unit, and a medic unit as well as administrative, physical fitness, and living space for a minimum of 10 on-duty staff. The above project budget assumes \$4.2 million for land acquisition.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Recommended by the Fire Station Facilities Study completed in June 2008 and FY 2010 Alexandria Fire Department Facilities Renovation and Construction Program

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## FIRE STATION 208

DOCUMENT SUBSECTION: Public Safety Facilities	PROJECT LOCATION: TBD
MANAGING DEPARTMENT: Department of General Services	REPORTING AREA: Landmark/Van Dorn
PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government	PROJECT CATEGORY: 1
	ESTIMATE USEFUL LIFE: Varies

Fire Station 208 Replacement													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	11,350,000	0	0	250,000	1,100,000	10,000,000	0	0	0	0	0	0	11,350,000
Financing Plan													
GO Bonds	11,350,000	0	0	250,000	1,100,000	10,000,000	0	0	0	0	0	0	11,350,000
Financing Plan Total	11,350,000	0	0	250,000	1,100,000	10,000,000	0	0	0	0	0	0	11,350,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP to match Landmark Mall site redevelopment timing.

### PROJECT DESCRIPTION & JUSTIFICATION

Fire Station 208, built in 1976, is currently 43 years old and will be at the end of its expected life cycle for a fire station at the time the planned construction of its replacement (FY 2024) is anticipated. The current facility is not adequate to accommodate the current specifications of an up-to-date fire station and the site is not ideally located to provide optimal service coverage to the community nor is the current site large enough to fulfil the needs of a larger fire station.

To serve the community effectively, the fire station will need to be built in a new location and to current industry specifications. Having this new fire station will allow the fire department to have more capacity when it comes to handling emergencies. The current funding provides for a facility of approximately 12,000 square feet and will include four bays to accommodate apparatus, as well as administrative, physical fitness, and living space for a minimum of 12 on-duty staff.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## BURN BUILDING REPLACEMENT

DOCUMENT SUBSECTION: Public Safety Facilities	PROJECT LOCATION: 805 S. Payne St.
MANAGING DEPARTMENT: Department of General Services	REPORTING AREA: Southwest Quadrant
PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community	PROJECT CATEGORY: 2
	ESTIMATE USEFUL LIFE: 16 - 20 Years

New Burn Building													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,864,200	0	575,400	0	2,288,800	0	0	0	0	0	0	0	2,864,200
Financing Plan													
GO Bonds	2,864,200	0	575,400	0	2,288,800	0	0	0	0	0	0	0	2,864,200
Financing Plan Total	2,864,200	0	575,400	0	2,288,800	0	0	0	0	0	0	0	2,864,200
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recoded as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Fire Department's Burn Building was constructed in 1981. Industry experts studied this facility in 2007 and again in late 2008. Both of these studies have acknowledged that the life of the building should be no more than 30 years, which made it due for replacement in 2012. Beyond this, in compliance with the Virginia Department of Fire Programs, any burn building must be inspected and reviewed every five years to comply with National Fire Protection Association standards. This includes a formal and structural review of the building. This year, the review of the building identified some structural concerns which may not be worth fixing if the building is replaced. The building has gone through many maintenance projects to keep it in compliance with current standards. As the building continues to age, the maintenance costs will continue to increase exponentially. A new burn building would benefit the City in the following ways:

- More accurately simulate buildings that have been constructed in the City over the past 30 years.
- Provide for more training opportunities other than just basic fire scenarios (technical rescue, etc.)
- Provide staff with a safer training environment. The current building has numerous deficiencies that are cost prohibitive to correct.
- Allow for more efficient use of the space immediately around the burn building.
- Increase opportunities for aerial ladder and ground ladder training.
- Provide more realistic training in a new building because it would be designed internally with features that allow the instructors to control the fire growth and smoke travel.
- Allow for more useful patient removal training scenarios during EMT class and incumbent training scenarios.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

**OFFICE OF THE SHERIFF CFMP**

DOCUMENT SUBSECTION: Public Safety Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 2001/03 Mill Rd  
 REPORTING AREA: Eisenhower East  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

Office of the Sheriff CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	24,575,856	9,381,356	192,600	5,363,500	2,266,000	2,217,300	2,818,700	1,802,700	127,600	131,400	135,300	139,400	15,194,500
Financing Plan													
Cash Capital	8,171,595	5,171,595	0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
GO Bond Interest Earnings	20,341	20,341	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	15,914,492	3,719,992	192,600	2,363,500	2,266,000	2,217,300	2,818,700	1,802,700	127,600	131,400	135,300	139,400	12,194,500
Prior Capital Funding	469,428	469,428	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	0	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	24,575,856	9,381,356	192,600	5,363,500	2,266,000	2,217,300	2,818,700	1,802,700	127,600	131,400	135,300	139,400	15,194,500
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

**CHANGES FROM PRIOR YEAR CIP**

Funding plan updated to address building improvements necessary to maintain facility at an average "Grade C" across the Public Building's portfolio, based on facilities condition assessment.

**PROJECT DESCRIPTION & JUSTIFICATION**

The Office of the Sheriff Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

In FY 2015, the Detention Center was included in the Facility Conditions Assessments. The results of the assessment clearly defined 10 years of facility maintenance repairs and their corresponding costs and projects that require renewal, at the same time creating efficiencies that can be achieved by staging projects together. Based on the findings of the assessment, a feasibility study was conducted in FY 2019 - 2020. The feasibility study and subsequent design will provide a multi-year phased plan for renovations in order to keep the Detention Center open and functional.

**Facilities covered under this CFMP:**

- Public Safety Center
- William G. Truesdale Detention Center

**EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION**

N/A

**ADDITIONAL OPERATING IMPACTS**

No additional operating impacts identified at this time.

Office of the Sheriff CFMP (continued)

Office of the Sheriff CFMP FY 2021 – 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Housing Unit Security Upgrades - Design	\$192,600
<b>Total Fiscal Year 2021</b>	<b>\$192,600</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Housing Unit Security Upgrades - Constructions	\$2,833,500
Phase One Renovations	\$2,530,000
<b>Total Fiscal Year 2022</b>	<b>\$ 5,363,500</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Phase Two Renovations	\$2,266,000
<b>Total Fiscal Year 2023</b>	<b>\$ 2,266,000</b>

## VOLA LAWSON ANIMAL SHELTER

DOCUMENT SUBSECTION: Public Safety Facilities  
 MANAGING DEPARTMENT: Department of General Services

PROJECT LOCATION: 4101 Eisenhower Ave.  
 REPORTING AREA: Seminary Hill  
 PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

Vola Lawson Animal Shelter													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	6,747,593	3,436,893	40,000	41,200	42,500	133,000	148,100	269,100	900,000	1,223,300	241,700	271,800	3,310,700
Financing Plan													
Cash Capital	5,681,257	2,370,557	40,000	41,200	42,500	133,000	148,100	269,100	900,000	1,223,300	241,700	271,800	3,310,700
GO Bond Interest Earnings	27,563	27,563	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	343,532	343,532	0	0	0	0	0	0	0	0	0	0	0
Prior Capital Funding	195,241	195,241	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	6,747,593	3,436,893	40,000	41,200	42,500	133,000	148,100	269,100	900,000	1,223,300	241,700	271,800	3,310,700
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to address building improvements necessary to maintain facility at an average "Grade C" across the Public Building's portfolio, based on facilities condition assessment.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for capital infrastructure improvements required at the Vola Lawson Animal Shelter, which is the City animal shelter located on Eisenhower Avenue. The City is responsible for scheduled and unscheduled capital replacement and maintenance of elements and systems at the facility as defined in a contract between the City and the Animal Welfare League (current facility manager).

The Vola Lawson Animal Shelter Capital Facilities Maintenance Program (CFMP) provides a work plan that projects the anticipated timetable and estimated costs of infrastructure and equipment repairs and/or replacements, based on industry standards for life expectancy of equipment and materials necessary to adequately maintain the facility's physical plant. In some cases, the facility's equipment may be retained beyond the standard life expectancy if it is in satisfactory operating condition and it is cost-effective to do so. A prioritized list of projects planned for FY 2021-2023 is included on the next page. Due to the possibility of unexpected or emergency repairs, or if efficiencies can be achieved by staging projects together, the list is subject to change.

**Facilities covered under this CFMP:**

- Vola Lawson Animal Shelter

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Vola Lawson Animal Shelter (continued)

Vola Lawson Animal Shelter FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Unexpected Capital Maintenance	\$40,000
<b>Total Fiscal Year 2021</b>	<b>\$40,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Unexpected Capital Maintenance	\$41,200
<b>Total Fiscal Year 2022</b>	<b>\$ 41,200</b>

<b>Fiscal Year 2023</b>	
Description	Amount
Unexpected Capital Maintenance	\$42,500
<b>Total Fiscal Year 2023</b>	<b>\$ 42,500</b>

# TRANSPORTATION & TRANSIT

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## Transportation Improvement Program (TIP) Proposed FY 2021 – FY 2030 Sources and Uses

In FY 2012, City Council approved funding equal to 2.2 cents on the base real estate tax rate and additional General Fund cash capital to create a Transportation Improvement Program (TIP) for the purpose of expanding transportation infrastructure and transit options throughout the City. As part of the FY 2015 budget process, as the City realized new revenue from NVT A 70% and 30% sources, the definition of the TIP was expanded for any transportation related expenditure. Expanding this definition has allowed the City to direct TIP resources toward the maintenance of its existing transportation infrastructure while using the new NVT A funding, private development contributions, and the continued use of TIP proceeds to advance expanded transportation and transit infrastructure and services throughout the City. The TIP funds capital improvements, operating costs, and debt service on General Obligation Bonds issued in FY 2013. Details of the fund revenues, operating expenditures and capital projects are included below.

### Details of Revenues

Revenues	FY 2020											Total FY 21-FY30
	Approved	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	
TIP Reserved Real Estate Tax Rate	\$8,970,966	\$9,364,854	\$9,552,151	\$9,743,194	\$9,938,058	\$10,136,819	\$10,339,556	\$10,546,347	\$10,757,274	\$10,972,419	\$11,191,867	\$102,542,539
Use of Fund Balance	\$0	\$0	\$33,803	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,803
<b>Total TIP Revenues</b>	<b>\$8,970,966</b>	<b>\$9,364,854</b>	<b>\$9,585,954</b>	<b>\$9,743,194</b>	<b>\$9,938,058</b>	<b>\$10,136,819</b>	<b>\$10,339,556</b>	<b>\$10,546,347</b>	<b>\$10,757,274</b>	<b>\$10,972,419</b>	<b>\$11,191,867</b>	<b>\$102,576,342</b>

### Summary of Operating Expenditures, Debt Service and Capital Projects

Expenditure Overview	FY 2020											Total FY 21-FY30
	Approved	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	
TIP Operating	\$5,475,720	\$5,887,489	\$6,032,257	\$6,180,425	\$6,313,913	\$6,451,099	\$6,592,115	\$6,737,096	\$6,886,187	\$7,039,534	\$7,197,294	\$65,317,411
TIP Operating - WMAT A	\$1,878,169	\$1,125,500	\$2,231,107	\$1,173,829	\$1,712,254	\$1,538,546	\$1,864,617	\$1,692,004	\$1,770,585	\$1,623,592	\$1,623,592	\$16,355,625
TIP Capital Projects	\$1,030,566	\$1,747,104	\$667,000	\$1,903,300	\$1,460,000	\$1,765,500	\$1,509,000	\$1,833,500	\$1,871,500	\$1,906,800	\$1,946,300	\$16,610,004
TIP Debt Service (2013 \$6.75M Bond Issuance)	\$586,511	\$604,761	\$535,088	\$357,154	\$333,662	\$323,474	\$314,604	\$305,642	\$296,738	\$514,587	\$499,688	\$4,085,398
<b>Total TIP Expenditures</b>	<b>\$8,970,966</b>	<b>\$9,364,854</b>	<b>\$9,465,452</b>	<b>\$9,614,709</b>	<b>\$9,819,830</b>	<b>\$10,078,619</b>	<b>\$10,280,336</b>	<b>\$10,568,242</b>	<b>\$10,825,009</b>	<b>\$11,084,513</b>	<b>\$11,266,874</b>	<b>\$102,368,438</b>

### Transportation Improvement Program (TIP) Proposed FY 2021 – FY 2030 Sources and Uses

**Details of Operating Expenditures**

<b>Non-motorized Transportation</b>													
Capital Bikeshare	\$443,908	\$670,000	\$703,500	\$738,675	\$775,609	\$814,389	\$855,109	\$897,864	\$942,757	\$989,895	\$1,039,390	\$8,427,188	
<b>Public Transit</b>													
DASH Operating	\$2,391,132	\$2,423,801	\$2,460,158	\$2,497,060	\$2,534,516	\$2,572,534	\$2,611,122	\$2,650,289	\$2,690,043	\$2,730,394	\$2,771,350	\$25,941,265	
Supplemental Trolley Operations	\$210,025	\$216,372	\$219,618	\$222,912	\$226,256	\$229,650	\$233,095	\$236,591	\$240,140	\$243,742	\$247,398	\$2,315,774	
<b>Maintenance</b>													
Bus Shelter Maintenance	\$97,841	\$100,799	\$102,311	\$103,845	\$105,403	\$106,984	\$108,589	\$110,218	\$111,871	\$113,549	\$115,252	\$1,078,820	
Metroway Maintenance	\$60,000	\$61,814	\$62,741	\$63,682	\$64,637	\$65,607	\$66,591	\$67,590	\$68,603	\$69,632	\$70,677	\$661,573	
Street Repair Budget	\$801,360	\$868,254	\$881,278	\$894,497	\$907,915	\$921,534	\$935,357	\$949,387	\$963,628	\$978,082	\$992,753	\$9,292,684	
Trail Maintenance	\$10,000	\$20,000	\$40,000	\$60,000	\$61,800	\$63,654	\$65,564	\$67,531	\$69,556	\$71,643	\$73,792	\$593,540	
King Street Station Operations	\$0	\$65,000	\$65,975	\$66,965	\$67,969	\$68,989	\$70,023	\$71,074	\$72,140	\$73,222	\$74,320	\$695,677	
<b>Other Costs</b>													
Transportation Implementation Staff - T & ES Positions	\$636,125	\$599,882	\$617,878	\$636,415	\$655,507	\$675,172	\$695,428	\$716,290	\$737,779	\$759,913	\$782,710	\$6,876,975	
Indirect Costs to General Fund	\$825,329	\$861,567	\$878,798	\$896,374	\$914,301	\$932,587	\$951,239	\$970,264	\$989,669	\$1,009,463	\$1,029,652	\$9,433,914	
<b>TIP Operating Costs</b>	<b>\$5,475,720</b>	<b>\$5,887,489</b>	<b>\$6,032,257</b>	<b>\$6,180,425</b>	<b>\$6,313,913</b>	<b>\$6,451,099</b>	<b>\$6,592,115</b>	<b>\$6,737,096</b>	<b>\$6,886,187</b>	<b>\$7,039,534</b>	<b>\$7,197,294</b>	<b>\$65,317,411</b>	

**Details of Capital Projects**

Transportation Improvement Program (TIP) Projects Capital Subsection	FY 2020 - FY 2030											Total FY 21-FY30
	Approved	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	
<b>Public Transit</b>												
WMATA Capital Contributions (TIP Cash)	\$0	\$1,100,000	\$250,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,850,000
DASH Bus Fleet Replacements (TIP Cash)	\$607,994	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Streets &amp; Bridges</b>												
Street Reconstruction & Resurfacing/Major Rd. (TIP Cash)	\$0	\$0	\$0	\$700,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$7,700,000
<b>Smart Mobility</b>												
Transportation Technologies (TIP Cash)	\$0	\$250,000	\$0	\$265,300	\$0	\$281,500	\$0	\$298,500	\$309,500	\$316,800	\$326,300	\$2,047,900
<b>Capitalized Positions</b>												
Sustainability Coordinator (through Environmental Restoration)	\$51,324	\$53,880	\$57,000	\$60,000	\$63,000	\$67,000	\$71,000	\$75,000	\$79,000	\$83,000	\$88,000	\$696,880
Transportation Implementation Staff - DPI Positions	\$371,248	\$343,224	\$360,000	\$378,000	\$397,000	\$417,000	\$438,000	\$460,000	\$483,000	\$507,000	\$532,000	\$4,315,224
<b>Total CIP Transportation Improvement Program</b>	<b>\$1,030,566</b>	<b>\$1,747,104</b>	<b>\$667,000</b>	<b>\$1,903,300</b>	<b>\$1,460,000</b>	<b>\$1,765,500</b>	<b>\$1,509,000</b>	<b>\$1,833,500</b>	<b>\$1,871,500</b>	<b>\$1,906,800</b>	<b>\$1,946,300</b>	<b>\$16,610,004</b>

Northern Virginia Transportation Authority (NVTA) – 30% Funds  
 Proposed FY 2021 – FY 2030 Sources and Uses  
 Revenues, Operating Expenditures, and Capital Projects

Revenues/Expenditures	Approved FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 21 - 30
<b>Revenues</b>												
NVTA 30%	\$ 4,611,911	\$ 5,056,000	\$ 5,198,000	\$ 5,344,000	\$ 5,494,000	\$ 5,648,000	\$ 5,806,000	\$ 5,969,000	\$ 6,136,000	\$ 6,308,000	\$ 6,485,000	\$ 57,444,000
<b>Appropriated Revenue</b>	<b>\$ 4,611,911</b>	<b>\$ 5,056,000</b>	<b>\$ 5,198,000</b>	<b>\$ 5,344,000</b>	<b>\$ 5,494,000</b>	<b>\$ 5,648,000</b>	<b>\$ 5,806,000</b>	<b>\$ 5,969,000</b>	<b>\$ 6,136,000</b>	<b>\$ 6,308,000</b>	<b>\$ 6,485,000</b>	
<b>Capital Details</b>												
DASH Bus Fleet Replacements	\$ 2,154,000	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000	\$ -	\$ 1,500,000	\$ 1,500,000	\$ -	\$ 1,500,000	\$ 1,500,000	\$ 9,000,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	\$ 521,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WMATA Capital Contributions	\$ 363,911	\$ 3,483,000	\$ 3,625,000	\$ 2,271,000	\$ 2,421,000	\$ 4,075,000	\$ 333,000	\$ 424,000	\$ 2,017,000	\$ 613,000	\$ 711,000	\$ 19,973,000
<b>Subtotal, Capital Projects</b>	<b>\$ 3,038,911</b>	<b>\$ 3,483,000</b>	<b>\$ 3,625,000</b>	<b>\$ 3,771,000</b>	<b>\$ 3,921,000</b>	<b>\$ 4,075,000</b>	<b>\$ 1,833,000</b>	<b>\$ 1,924,000</b>	<b>\$ 2,017,000</b>	<b>\$ 2,113,000</b>	<b>\$ 2,211,000</b>	<b>\$ 28,973,000</b>
<b>Operating Details</b>												
WMATA Subsidy	\$ 1,573,000	\$ 1,573,000	\$ 1,573,000	\$ 1,573,000	\$ 1,573,000	\$ 1,573,000	\$ 1,573,000	\$ 1,573,000	\$ 1,573,000	\$ 1,573,000	\$ 1,573,000	\$ 15,730,000
Transit Corridor "C" - West End Transitway Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,400,000	\$ 2,472,000	\$ 2,546,000	\$ 2,622,000	\$ 2,701,000	\$ 12,741,000
<b>Subtotal, Operating</b>	<b>\$ 1,573,000</b>	<b>\$ 3,973,000</b>	<b>\$ 4,045,000</b>	<b>\$ 4,119,000</b>	<b>\$ 4,195,000</b>	<b>\$ 4,274,000</b>	<b>\$ 28,471,000</b>					
<b>Total, Operating &amp; Capital</b>	<b>\$ 4,611,911</b>	<b>\$ 5,056,000</b>	<b>\$ 5,198,000</b>	<b>\$ 5,344,000</b>	<b>\$ 5,494,000</b>	<b>\$ 5,648,000</b>	<b>\$ 5,806,000</b>	<b>\$ 5,969,000</b>	<b>\$ 6,136,000</b>	<b>\$ 6,308,000</b>	<b>\$ 6,485,000</b>	<b>\$ 57,444,000</b>
<b>Total Planned Revenue Sources less Expenditures</b>	<b>\$ -</b>											

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>Transportation</b>												
<b>Public Transit</b>												
DASH Bus Fleet Replacements	20,929,000	0	0	12,465,600	9,288,200	0	9,332,200	19,343,700	0	8,740,800	21,006,900	80,177,400
DASH Facility and Fleet Expansion	11,933,161	0	6,422,147	2,688,317	7,648,551	9,063,302	0	0	0	0	0	25,822,317
DASH Hybrid Bus and Trolley Powertrain Replacement	1,650,000	0	412,000	371,400	382,500	394,000	347,800	298,600	184,500	0	0	2,390,800
Eisenhower Metrorail Station Improvements	6,794,840	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	16,781,242	0	0	0	0	0	0	0	0	0	0	0
Potomac Yard Metrorail Station	384,725,000	0	0	0	0	0	0	0	0	0	0	0
Transit Access & Amenities	4,002,649	823,123	500,000	400,000	0	0	0	0	0	0	0	1,723,123
Van Dorn Metrorail Station Area Improvements	1,331,000	0	0	0	0	0	0	0	0	0	0	0
WMATA Capital Contributions	148,501,034	17,600,000	15,425,000	16,021,000	16,421,000	16,875,000	15,600,000	16,100,000	16,600,000	17,100,000	17,600,000	165,342,000
<b>Public Transit Total</b>	<b>596,647,926</b>	<b>18,423,123</b>	<b>22,759,147</b>	<b>31,946,317</b>	<b>33,740,251</b>	<b>26,332,302</b>	<b>25,280,000</b>	<b>35,742,300</b>	<b>16,784,500</b>	<b>25,840,800</b>	<b>38,606,900</b>	<b>275,455,640</b>
<b>High Capacity Transit Corridors</b>												
Transit Corridor "A" - Route 1	29,853,743	0	0	0	0	0	0	0	0	0	0	0
Transit Corridor "B" - Duke Street	12,190,000	0	0	0	0	0	0	0	0	0	0	0
Transit Corridor "C" - West End Transitway	5,400,000	0	8,171,388	4,028,612	23,610,244	33,589,753	0	0	0	0	0	69,399,997
Transitway Enhancements	1,000,000	454,491	0	0	0	0	0	0	0	0	0	454,491
<b>High Capacity Transit Corridors Total</b>	<b>48,443,743</b>	<b>454,491</b>	<b>8,171,388</b>	<b>4,028,612</b>	<b>23,610,244</b>	<b>33,589,753</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>69,854,488</b>
<b>Non-Motorized Transportation</b>												
Access Improvements at Landmark	0	0	0	0	3,950,230	2,384,400	0	0	0	0	0	6,334,630
Backlick Run Multi-Use Paths	2,851,894	0	2,210,003	2,100,648	300,000	0	0	0	0	0	0	4,610,651
Bicycle Parking at Transit	505,000	0	0	0	0	0	0	0	0	0	0	0
BRAC & Central City Neighborhood Protection Plan	335,000	0	0	0	0	0	0	0	0	0	0	0
Cameron & Prince Bicycle & Pedestrian Facilities	240,000	0	0	0	0	0	0	0	0	0	0	0
Capital Bikeshare	4,307,757	350,000	400,000	250,000	250,000	0	0	0	0	0	0	1,250,000
Complete Streets	9,229,888	860,280	1,073,000	786,000	800,000	814,000	829,000	845,000	862,000	879,000	897,000	8,645,280
Duke Street and West Taylor Run Safety Improvements	2,545,000	0	0	0	3,905,460	0	0	0	0	0	0	3,905,460
Holmes Run Trail Connector	1,286,218	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Avenue North Complete Streets	520,000	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Trail @ East Abingdon	850,000	0	0	0	0	0	0	0	0	0	0	0
Old Cameron Run Trail	3,545,000	0	0	1,646,273	1,122,727	2,045,000	0	0	0	0	0	4,814,000
Seminary / Howard Safety Improvements	378,000	0	0	0	0	0	0	0	0	0	0	0
Shared-Use Paths	1,041,357	0	150,000	0	150,000	0	150,000	0	0	0	0	450,000
Sidewalk Capital Maintenance	4,389,469	600,000	309,000	636,600	327,900	675,400	347,800	716,500	369,000	760,100	391,500	5,133,800
Van Dorn/Beauregard Bicycle Facilities	1,458,869	0	0	0	0	0	0	0	0	0	0	0
Alexandria Mobility Plan	840,000	0	0	0	0	0	0	0	0	0	0	0
<b>Non-Motorized Transportation Total</b>	<b>34,323,452</b>	<b>1,810,280</b>	<b>4,142,003</b>	<b>5,419,521</b>	<b>10,806,317</b>	<b>5,918,800</b>	<b>1,326,800</b>	<b>1,561,500</b>	<b>1,231,000</b>	<b>1,639,100</b>	<b>1,288,500</b>	<b>35,143,821</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>Smart Mobility</b>												
Citywide Parking - Parking Study	150,000	0	0	0	0	0	0	0	0	0	0	0
Citywide Parking - Parking Technologies	773,629	629,736	450,000	250,000	0	0	0	0	0	0	0	1,329,736
Citywide Trans. Mgmt. Tech. - Broadband Communications Link	1,000,000	0	0	0	0	0	0	0	0	0	0	0
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	15,009,804	223,123	1,000,000	400,000	600,000	3,084,550	0	0	0	0	0	5,307,673
Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	450,000	100,000	103,000	138,200	175,200	202,800	208,800	215,000	221,400	228,200	235,100	1,827,700
Citywide Trans. Mgmt. Tech. - Transportation Technologies	1,370,312	250,000	0	265,300	0	281,500	0	298,500	309,500	316,800	326,300	2,047,900
DASH Electronic Fare Payment	450,000	750,000	0	0	0	0	0	0	0	0	0	750,000
DASH Technologies	0	0	0	600,000	255,745	0	0	0	0	0	0	855,745
Traffic Adaptive Signal Control	0	0	7,000,000	0	0	0	0	0	0	0	0	7,000,000
Transit Signal Priority	1,255,491	0	0	0	0	0	0	0	0	0	0	0
<b>Smart Mobility Total</b>	<b>20,459,236</b>	<b>1,952,859</b>	<b>8,553,000</b>	<b>1,653,500</b>	<b>1,030,945</b>	<b>3,568,850</b>	<b>208,800</b>	<b>513,500</b>	<b>530,900</b>	<b>545,000</b>	<b>561,400</b>	<b>19,118,754</b>
<b>Streets and Bridges</b>												
Bridge Repairs	9,544,975	1,445,000	1,844,700	1,758,900	1,800,600	2,178,500	2,369,300	2,583,200	3,433,600	4,159,400	3,314,000	24,887,200
City Standard Construction Specifications	200,000	0	0	0	0	0	0	0	0	0	0	0
East Glebe & Route 1	4,600,000	0	0	0	0	0	0	0	0	0	0	0
Eisenhower Avenue Roadway Improvements	9,365,631	0	0	0	0	0	0	0	0	0	0	0
Fixed Transportation Equipment	23,290,971	850,000	875,500	2,493,400	956,300	985,000	1,043,500	1,074,800	1,107,000	1,140,300	1,207,100	11,732,900
Four Mile Run Bridge Program	0	6,000,000	7,000,000	7,000,000	0	0	0	0	0	0	0	20,000,000
King & Beaugard Intersection Improvements	17,902,862	0	0	0	0	0	0	0	0	0	0	0
Seminary Road at Beaugard Street Ellipse	425,000	0	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	36,400,000
Street Reconstruction & Resurfacing of Major Roads	40,204,576	5,500,000	5,665,000	5,835,000	5,436,400	5,599,500	4,984,900	6,328,500	6,149,400	6,333,900	6,523,900	58,356,500
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	500,000	0	0	0	0	0	0	0	0	0	0	0
<b>Streets and Bridges Total</b>	<b>106,034,015</b>	<b>13,795,000</b>	<b>15,385,200</b>	<b>20,587,300</b>	<b>24,393,300</b>	<b>25,463,000</b>	<b>8,397,700</b>	<b>9,986,500</b>	<b>10,690,000</b>	<b>11,633,600</b>	<b>11,045,000</b>	<b>151,376,600</b>
<b>Grand Total</b>	<b>805,908,371</b>	<b>36,435,753</b>	<b>59,010,738</b>	<b>63,635,250</b>	<b>93,581,057</b>	<b>94,872,705</b>	<b>35,213,300</b>	<b>47,803,800</b>	<b>29,236,400</b>	<b>39,658,500</b>	<b>51,501,800</b>	<b>550,949,303</b>

## TRANSIT ACCESS & AMENITIES

DOCUMENT SUBSECTION: Public Transit  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

Transit Access & Amenities													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	5,725,772	4,002,649	823,123	500,000	400,000	0	0	0	0	0	0	0	1,723,123
Financing Plan													
Cash Capital	435,223	435,223	0	0	0	0	0	0	0	0	0	0	0
NVTA 30% Funds	1,100,000	1,100,000	0	0	0	0	0	0	0	0	0	0	0
NVTA 70% Funds	450,000	450,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	60,000	60,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	3,630,549	1,907,426	823,123	500,000	400,000	0	0	0	0	0	0	0	1,723,123
TIP	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	5,725,772	4,002,649	823,123	500,000	400,000	0	0	0	0	0	0	0	1,723,123
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding to add and replace existing bus shelters with new shelters that provide enhanced infrastructure and passenger amenities. The new bus shelters feature amenities such as benches, trash cans, bike racks and improved lighting, these features are important to attract riders to transit. Many bus stops around the City do not have bus shelters or are several decades old and have exceeded their useful life. New Shelters offer transit riders a more attractive and comfortable environment, which is directly related to customers' satisfaction with public transportation.

This project also funds improvements at existing bus stops that will bring them into compliance with ADA standards, including future funding for real-time information signs at key, high-ridership stops throughout the City. Real-time information has been shown to increase ridership and passenger fare revenue.

The project is primarily funded by federal and state grants for the manufacture and installation of bus shelters and site work such as concrete pads. The City is planning to adopt an updated bus shelter design in Spring 2020 with installation beginning in Fall 2020. Depending on the cost of shelters, these funds could pay for up to sixty bus shelters.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City of Alexandria Transit Development Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## DASH BUS FLEET REPLACEMENTS

DOCUMENT SUBSECTION: Public Transit  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 11 - 15 Years

DASH Bus Fleet Replacements													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	101,106,400	20,929,000	0	0	12,465,600	9,288,200	0	9,332,200	19,343,700	0	8,740,800	21,006,900	80,177,400
Financing Plan													
Cash Capital	1,400,000	1,400,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	31,898,700	810,000	0	0	4,732,800	3,144,100	0	3,166,100	8,171,850	0	2,870,400	9,003,450	31,088,700
NVTA 30% Funds	27,219,000	18,219,000	0	0	1,500,000	1,500,000	0	1,500,000	1,500,000	0	1,500,000	1,500,000	9,000,000
Sale of Property Revenue	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants (Unsecured)	40,088,700	0	0	0	6,232,800	4,644,100	0	4,666,100	9,671,850	0	4,370,400	10,503,450	40,088,700
Financing Plan Total	101,106,400	20,929,000	0	0	12,465,600	9,288,200	0	9,332,200	19,343,700	0	8,740,800	21,006,900	80,177,400
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for the replacement of buses in the DASH fleet. DASH develops an annual Transit Development Program which indicates the number of buses needed to replace aging vehicles in the fleet and maintain an adequate spare ratio. Based on a recent recommendation by the ATC Board of Directors, DASH has discontinued its previous practice of purchasing hybrid-propulsion buses to fulfill its fleet replacement needs. Beginning in FY 2018, DASH began purchasing clean diesel buses to reduce costs and improve fleet reliability. With the switch to clean diesel buses, DASH has been able to pursue a more aggressive fleet replacement schedule to meet its State Of Good-Repair (SOGR) requirements and reduce the number of older vehicles that are operated beyond their 12-year useful life.

This change to clean diesel buses will remain consistent with the City's Eco-City Action Plan to reduce vehicle emissions – as newer clean diesel buses have far fewer emissions than the older vehicles they are replacing - and reducing the overall cost per bus. The clean diesel buses will also provide a more reliable fleet as DASH begins its next transition towards using electric buses.

DASH is pursuing a transition (depending on cost feasibility, range progress, and reliability) from clean diesel to electric buses over the next 10-15 years. The first six electric buses in the DASH fleet will arrive in the summer of 2020, funded by grants from the Virginia VW Environmental Mitigation Trust. Staff is currently working with consultants on a transition study to assess life-cycle costs and other needs associated with moving to an all-electric fleet by approximately FY 2035. Since the up-front cost of an electric bus much is higher (\$1,150,000/bus) than a clean diesel (\$550,000/bus), these buses will also require a higher up-front capital investment. Significant state, federal, or regional grant support will need to be identified and secured to fully fund electrification of the DASH bus fleet in the next 10-15 years.

It is possible that maintenance costs for electric buses may be less than clean diesel buses over the full lifespan of the bus, however this cannot yet be accurately determined at this time. As with hybrid buses, electric buses can require a mid-life battery pack replacement. Although the near-term battery pack replacement costs will be reduced due to the discontinuation of hybrids, DASH anticipates that some of the future CIP funds that had previously been assumed for hybrid battery pack replacement will now be used for electric battery replacement.

In conjunction with the Facility & Fleet Expansion project and several regional- and state-sponsored grants, DASH has secured funds to upgrade the planned garage expansion and existing bus facility to include electric infrastructure and equipment to accommodate new electric vehicles.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eco-City Charter

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## DASH FACILITY AND FLEET EXPANSION

DOCUMENT SUBSECTION: Public Transit  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: 3000 Business Center Drive  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 30-40 Years

DASH Facility and Fleet Expansion													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	37,755,478	11,933,161	0	6,422,147	2,688,317	7,648,551	9,063,302	0	0	0	0	0	25,822,317
Financing Plan													
NVTA 70% Funds	775,000	775,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	36,980,478	11,158,161	0	6,422,147	2,688,317	7,648,551	9,063,302	0	0	0	0	0	25,822,317
Financing Plan Total	37,755,478	11,933,161	0	6,422,147	2,688,317	7,648,551	9,063,302	0	0	0	0	0	25,822,317
Additional Operating Impact	68,925,400	0	0	0	5,334,300	5,546,300	8,751,600	9,103,200	9,462,200	9,843,700	10,240,100	10,644,000	68,925,400

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to align with state grant schedule.

### PROJECT DESCRIPTION & JUSTIFICATION

The DASH Facility and Fleet Expansion project consists of two components:

1. The expansion of bus parking and storage facilities on the west side of the existing DASH garage to support up to an additional 45 buses in the fleet for increased service levels in key development areas, maintain adequate spare ratio to accommodate new technology, and to provide adequate space for simultaneously receiving new bus orders and decommissioning the vehicles that are being replaced. DASH is also planning to include new utility infrastructure and electric bus charging equipment as a component of this project to support a transition of the fleet to electric buses.
2. The addition of twenty-six (26) new buses, twenty (20) of which will be electric, to improve service frequency along key City transit corridors. These buses will be used to implement service improvements in key development areas, consistent with the Alexandria Transit Vision Plan network as approved by the ATC Board of Directors.

The Facility and Fleet Expansion project provides for the necessary capital and infrastructure improvements to enable the City to improve transit service as outlined in the City's strategic plan and the Alexandria Transit Vision Plan. The new bus network will provide more useful service for the City of Alexandria by introducing frequent, all-day bus service to areas where more people will be able to use it. The new city-wide, high frequency network will have buses running every 15 minutes or sooner, throughout the day, seven days a week in the West End, Landmark, Arlandria, Potomac Yard, and Old Town. With the expansion facility and fleet, the City will be well-positioned to implement the short- and long-term recommendations from the Alexandria Transit Vision Plan.

The facility expansion will include provisions for electric buses, including upgraded electric infrastructure and charging equipment. The Facility Expansion will also optimize the City's capacities to retire old buses and intake new buses in efforts to maintain State of Good Repair. During bus retirement, there is a three-month period of overlap where outgoing and incoming buses must both be housed and maintained in the facility. The current capacity of the facility limits the throughput and maximum capacity of this process.

This project is currently funded by three funding sources. DASH has been awarded two grants from Virginia's SMART SCALE program, which are included in the VDOT FY 2020- FY 2025 Six-Year Improvement Program (SYIP) and has been awarded NVTA 70% project funds and is included in NVTA's FY 2018-FY 2023 Six Year Program (SYP).

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

Estimated operating cost increase of DASH service expansion provided by grant-funded bus fleet expansion.

## DASH HYBRID BUS AND TROLLEY POWERTRAIN REPLACEMENT

DOCUMENT SUBSECTION: Public Transit  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 0 - 5 Years

DASH Hybrid Bus and Trolley Powertrain Replacement													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	4,040,800	1,650,000	0	412,000	371,400	382,500	394,000	347,800	298,600	184,500	0	0	2,390,800
Financing Plan													
Cash Capital	3,423,800	1,033,000	0	412,000	371,400	382,500	394,000	347,800	298,600	184,500	0	0	2,390,800
NVT A 30% Funds	617,000	617,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	4,040,800	1,650,000	0	412,000	371,400	382,500	394,000	347,800	298,600	184,500	0	0	2,390,800
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recoded as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

From FY 2011 to FY 2017, DASH purchased buses and trolleys with hybrid technology for all replacement and expansion needs. Hybrid-propulsion buses have both vehicle battery packs and smaller diesel engines that work together to power the bus. As with any bus, these components of the powertrain can fail and sometimes need to be rebuilt or replaced during the vehicle's 12 year expected life. The battery packs cost approximately \$50,000 each. Diesel engine rehabilitation or replacement costs about \$25,000 each. Battery packs and hybrid diesel engines will be replaced on an as-needed basis to ensure each bus reaches its 12-year expected life.

Based on a recent recommendation by the Alexandria Transit Company (DASH) Board of Directors, however, the City will no longer purchase hybrid vehicles and will instead purchase clean diesel buses to meet the near-term fleet replacement requirements. This decision is intended to improve fleet reliability, reduce costs, and accelerate the replacement of older diesel models. The City and DASH are working together to develop a transition plan from clean diesel to electric buses over the next 10-15 years. Staff anticipates that this need for battery replacement will continue and expand as DASH transitions its fleet to battery electric buses. DASH started purchasing Battery Electric Buses in FY 2020 with delivery expected by late Summer of 2020.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eco-City Charter

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## EISENHOWER AVENUE METRORAIL STATION IMPROVEMENTS

DOCUMENT SUBSECTION: Public Transit	PROJECT LOCATION: 2400 Eisenhower Ave. (Eisenhower Avenue Metro)
MANAGING DEPARTMENT: Department of Transportation and Environmental Services	REPORTING AREA: Eisenhower East
PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation	PROJECT CATEGORY: 2 ESTIMATE USEFUL LIFE: 30+ Years

Eisenhower Metrorail Station Improvements													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	6,794,840	6,794,840	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	42,000	42,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	6,152,840	6,152,840	0	0	0	0	0	0	0	0	0	0	0
TIP	250,000	250,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	6,794,840	6,794,840	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

In the spring of 2003, the City of Alexandria approved a small area plan which guides development in East Eisenhower. The plan calls for significant amounts of high-density development within a short distance of the Eisenhower Avenue Metrorail station. To permit large mixed-use development in this area, new streets must be built, and utilities relocated. The existing Eisenhower Avenue Metrorail station entrance is approved to be modified to accommodate the development. This Small Area Plan was updated in 2020 and continues to plan for high density within the vicinity of the station.

The City of Alexandria has an agreement with adjacent developers and WMATA that addresses improvements and maintenance at the Eisenhower Avenue Metrorail station and the release of land for development. Overall improvements include renovation of the bus loop, relocation of transit services, design and construction of an attractive pedestrian plaza in front of the station, bus shelters for rider comfort, and real-time bus information displays.

The City, WMATA, and the developers finalized the Memorandum of Understanding (MOU) in late 2015. However, implementation of City-funded improvements is contingent on the redevelopment of adjacent parcels. The City is in the process of updating the agreement in 2020, to reflect the changes to Anchor Street as a result of the Small Area Plan, developer successors, and updated ownership and maintenance responsibilities.

Once complete, the level of service at the Eisenhower Avenue Metrorail Station will be enhanced by providing pedestrian friendly facilities and improving transportation infrastructure for more efficient transit operations.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eisenhower East Small Area Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## KING STREET METRORAIL STATION AREA IMPROVEMENTS

DOCUMENT SUBSECTION: Public Transit	PROJECT LOCATION: 1900 King St. (King Street Metro)
MANAGING DEPARTMENT: Department of Transportation and Environmental Services	REPORTING AREA: King Street Metro/Eisenhower Ave.
PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation	PROJECT CATEGORY: 3 ESTIMATE USEFUL LIFE: 30+ Years

King Street Metrorail Station Area Improvements													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	16,781,242	16,781,242	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	215,000	215,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	1,225,000	1,225,000	0	0	0	0	0	0	0	0	0	0	0
Prior Capital Funding	3,392,536	3,392,536	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	9,398,706	9,398,706	0	0	0	0	0	0	0	0	0	0	0
TIP	2,550,000	2,550,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	16,781,242	16,781,242	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to enhance the King Street Metrorail station area. The King Street Metrorail station is the largest transit hub in the City. The project will include:

- Accommodating increased bus service and meeting additional ridership demand;
- Improving the pedestrian environment at the station; and
- Providing better connections to the surrounding area for all modes of transit.

The planned reconfiguration of the station will include three additional bus bays, for a total of ten (10) bus bays, separate modes to enhance safety, widen the walkways around and through the facility, provide space for short- and long-term bicycle facilities, and modify the Kiss and Ride to a one-way loop.

This project provides critical infrastructure upgrades needed to provide more efficient mass transit services. Once completed, the improvements will also enhance the pedestrian experience by separating modes of transportation to reduce vehicle and pedestrian conflicts.

The project has been approved by the Transportation Commission, City Council, and Planning Commission. Construction is anticipated to be completed in late 2020.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan, Vision Zero, Complete Streets, Eco-City Charter

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## POTOMAC YARD METRORAIL STATION

DOCUMENT SUBSECTION: Public Transit  
 MANAGING DEPARTMENT: Department of Project Implementation

PROJECT LOCATION: Potomac Yard  
 REPORTING AREA: Potomac Yard/Potomac Greens, North Potomac Yard  
 PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 30+ Years

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

Potomac Yard Metrorail Station													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	384,725,000	384,725,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
GO Bonds (Potomac Yard Metrorail)	154,000,000	154,000,000	0	0	0	0	0	0	0	0	0	0	0
NVTA 70% Funds	69,500,000	69,500,000	0	0	0	0	0	0	0	0	0	0	0
PY Special Tax District Revenue	60,225,000	60,225,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	51,000,000	51,000,000	0	0	0	0	0	0	0	0	0	0	0
VTIB State Loan	50,000,000	50,000,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	384,725,000	384,725,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	27,715,300	0	0	1,395,000	2,959,900	3,048,700	3,140,200	3,234,400	3,331,400	3,431,300	3,534,200	3,640,200	27,715,300

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for studies, planning, and construction of a new Metrorail infill station at Potomac Yard. The City of Alexandria is the project sponsor, with design and construction managed by WMATA. A new Metrorail station was included as part of the North Potomac Yard Small Area Plan, approved in June 2010 and amended in 2017. The Potomac Yard Metrorail Station Concept Development Study was completed in February 2010. In December 2010, City Council approved the Tier I Special Services Tax District for Land Bay F, G, H, and the multi-family portion of Land Bay I. In 2011, City Council approved a Tier I tax rate of 20-cents to be levied starting in 2011 and approved a Tier II Tax District (Land Bays I and J) with a 10-cent levy to be initiated in the calendar year after the Metrorail station opens. In December 2018, City Council amended the City Code to terminate the Tier II Special Tax District, due to projected real estate tax revenues due to Amazon HQ2 planned location in nearby section of Arlington.

Project development was subject to the requirements of the National Environmental Policy Act (NEPA) and Section 4(f) of the Department of Transportation Act. City Council chose Alternative B as the Locally Preferred Alternative on May 20, 2015. On June 16, 2016, City Council unanimously approved the Master Plan Amendment, Map Amendment (rezoning), and Development Special Use Permit with site plan and associated Special Use Permits to construct a Metrorail station and associated facilities in Potomac Yard. The Federal Transit Administration and the National Park Service issued their Records of Decision for the Potomac Yard Metrorail Station on October 31, 2016 and November 1, 2016. WMATA procured a contractor for the design-build contract in the summer of 2018. The City received the Virginia Water Protection Permit in September 2019, and the Clean Water Act (CWA) Section 404 permit from the US Army Corps of Engineers in November 2019. Construction began in December 2019.

Alternative B was originally budgeted at \$270.0 million, including the planning phase, preliminary engineering, and preparation of the design-build bid package. In April 2018 based on changes in labor, materials, and the bidding climate, City Council authorized an increase of \$50 million in the Potomac Yard Metrorail Station project budget to \$320 million. The City prepared an updated financial feasibility analysis in Spring 2018 that evaluated the City's ability to finance the station using only local shares. In November 2018, as part of the decision to construct an Amazon headquarters at National Landing, the State committed an additional \$50 million to Alexandria to enhance access to the southwest from the station in a to be determined manner. The City anticipates finalizing the procurement process for the enhancements in 2020. The total project construction costs are expected to equal \$370 million. The funding sources include \$70 million from Northern Virginia Transportation Authority (NVTA) that has already been awarded, and a \$50 million loan from the Virginia Transportation Infrastructure Bank (VTIB) that has also been secured. The project budget also includes \$200 million to be comprised of a combination of Potomac Yard funded cash capital, and long-term General Obligation (GO) bonds. Federal TIFIA loan funding is no longer planned to be utilized. Both the VTIB loan and the GO Bonds are planned to be structured to best align the repayment with the tax revenue growth associated with the Potomac Yard area, included the use of "capitalized interest". As part of the Amazon HQ2/Virginia Tech Innovation campus funding, the City will receive \$50 million (\$20 million federal CMAQ and \$30 million state funding) to enhance the station entrance from East Glebe Road to the northern Potomac Yard Station entrance.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Potomac Yard Coordinated Development District (CDD) approved by City Council, October 1999; Transportation Master Plan approved by City Council, April 2008; North Potomac Yard Small Area Plan adopted by City Council, May 2010; City Council Resolution No. 2676, Adoption of Alternative B as the Locally Preferred Alternative for the Potomac Yard Metrorail Station, May 20, 2015.

### ADDITIONAL OPERATING IMPACTS

Per the Final EIS (Environmental Impact Statement), the new Metrorail station will increase the City's operating subsidy to WMATA by approximately \$2.9 million per year. A half year cost is assumed for FY 2022 and full-year (plus inflation) is assumed for FY 2023 onward. The Potomac Yard Station fund revenues are projected to fund this cost.

## WMATA CAPITAL CONTRIBUTIONS

DOCUMENT SUBSECTION: Public Transit  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

WMATA Capital Contributions													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	313,843,034	148,501,034	17,600,000	15,425,000	16,021,000	16,421,000	16,875,000	15,600,000	16,100,000	16,600,000	17,100,000	17,600,000	165,342,000
Financing Plan													
Cash Capital	28,720,713	28,720,713	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	2,296,433	2,296,433	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	246,653,952	103,134,952	13,017,000	11,550,000	13,250,000	14,000,000	12,800,000	15,267,000	15,676,000	14,583,000	16,487,000	16,889,000	143,519,000
NVTA 30% Funds	26,286,911	6,313,911	3,483,000	3,625,000	2,271,000	2,421,000	4,075,000	333,000	424,000	2,017,000	613,000	711,000	19,973,000
Prior Capital Funding	2,506,025	2,506,025	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	5,000	5,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	3,250,000	3,250,000	0	0	0	0	0	0	0	0	0	0	0
TIP	4,124,000	2,274,000	1,100,000	250,000	500,000	0	0	0	0	0	0	0	1,850,000
Financing Plan Total	313,843,034	148,501,034	17,600,000	15,425,000	16,021,000	16,421,000	16,875,000	15,600,000	16,100,000	16,600,000	17,100,000	17,600,000	165,342,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect WMATA's Proposed FY 2021 - FY 2026 CIP and the latest estimate of the local contribution total state dedicated funding to WMATA.

### PROJECT DESCRIPTION & JUSTIFICATION

This project funds capital infrastructure improvements by participating governments including the City of Alexandria for the Washington Area Metropolitan Transit Authority (WMATA). In addition, this project also funds the newly mandated local match for the dedicated funding source created by the Virginia General Assembly to support the WMATA Capital Program.

WMATA has proposed a 6-year Capital Improvement Program of \$9.7 billion for FY 2021 - FY 2026. For FY 2021, WMATA's capital improvement budget is \$1.9 billion, of which Alexandria's portion is \$12.9 million. The CIP fully funds this request in FY 2021.

In 2018, the Virginia General Assembly, along with the Maryland General Assembly and the Washington D.C. City Council, passed legislation to create a dedicated funding stream to support WMATA's capital program. This dedicated funding source impacts both the City's contribution to the WMATA Capital subsidy, and the availability of regional transportation funds (i.e. NVTA 30%). The FY 2021 - FY 2030 CIP reflects the impact of the dedicated funding legislation.

The legislation passed by the General Assembly in 2018 also stipulated that the participating jurisdictions provide a local match to the dedicated funding. The local match for Virginia jurisdictions totals \$27.12 million annually, of which each jurisdiction's share of the match is calculated annually based on their portion of the annual capital contribution to WMATA. For FY 2021, the City's local match is estimated to be \$4.6 million.

The City also assumes the use of state funds received through and held in trust by NVTC to support WMATA Capital Contributions for FY 2022 - FY 2030. This funding source is not appropriated by the City as NVTC pays these funds to WMATA on the City's behalf.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## TRANSIT CORRIDOR A - ROUTE 1

DOCUMENT SUBSECTION: High Capacity Transit Corridors	PROJECT LOCATION: Route 1 between Potomac Ave. & East Glebe Rd.
MANAGING DEPARTMENT: Department of Transportation and Environmental Services	REPORTING AREA: Potomac Yard/Potomac Greens
PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation	PROJECT CATEGORY: 3 ESTIMATE USEFUL LIFE: 30+ Years

Transit Corridor "A" - Route 1													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	29,853,743	29,853,743	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	1,325,000	1,325,000	0	0	0	0	0	0	0	0	0	0	0
NVTA 70% Funds	660,000	660,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	23,673,743	23,673,743	0	0	0	0	0	0	0	0	0	0	0
TIP	4,195,000	4,195,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	29,853,743	29,853,743	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Route 1 Transitway is the first segment of a 5-mile high capacity transit corridor connecting the Pentagon City and Braddock Road Metrorail stations. The initial segment of the corridor was completed in the summer of 2014. The project is 0.8 miles along Route 1 between Potomac Avenue and East Glebe Road. While the project ultimately calls for dedicated lanes for transit along the majority of the Crystal City/Potomac Yard corridor, in the interim, vehicles will operate in mixed traffic between East Glebe and Four Mile Run and between Potomac Avenue and the Braddock Road Metrorail station. Remaining funding from the original construction project will be used to provide safer pedestrian access to the Metroway between Slaters Lane and First Street. This will include a limited scope project of pedestrian crossings and a wider median where possible. The goal will be to improve motorist safety and conditions for people walking to Metroway and Metrorail. In FY 2020, \$5 million of funding was added as part of the Amazon Incentive Package to help fund the planning, design and construction of the Transitway north of East Glebe Road to Evans Lane. Timing of project implementation will depend on the timing and phasing of the North Potomac Yard development project.

The transitway provides residents, workers, and visitors with a fast, convenient, and comfortable connection to the regional Metrorail network, Potomac Yard development, and key employment nodes. Improved lighting and enhanced pedestrian crosswalks across Route 1 will also provide for safer non-motorized travel in the corridor.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## TRANSIT CORRIDOR "B" - DUKE STREET

DOCUMENT SUBSECTION: High Capacity Transit Corridors	PROJECT LOCATION: Duke St. between City Limits and King St. Metro
MANAGING DEPARTMENT: Department of Transportation and Environmental Services	REPORTING AREA: Landmark/Van Dorn/Beauregard
PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation	PROJECT CATEGORY: 3 ESTIMATE USEFUL LIFE: 30+ Years

Transit Corridor "B" - Duke Street													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	12,190,000	12,190,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
NVTA 70% Funds	12,190,000	12,190,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	0	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	12,190,000	12,190,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

Consistent with the 2008 Transportation Master Plan, this project will construct a 4-mile segment of the high-capacity Transitway along the Duke Street corridor between Landmark Mall and the King Street – Old Town Metrorail Station. In 2011, Council adopted the High Capacity Transit Corridor Work Group recommendation for a phased implementation of the Transitway along Duke Street. The first phase would focus on Transportation Systems Management (TSM) improvements, such as Transit Signal Priority, transit queue jump lanes, new bus shelters, new transit rolling stock, pedestrian and bicycle access improvements, and dedicated transit lanes on portions of the corridor where six travel lanes exist today. The second phase recommended dedicated transit lanes along the entire corridor, where there are four travel lanes. The design would allow for a dedicated transit lane in either direction during peak travel/traffic times.

As part of the Northern Virginia Transportation Authority (NVTA) 70% Regional project funding, the City received \$12 million in FY 2018- FY 2023 funds to be used toward environmental and design work associated with this project. The City will begin the Alternatives Analysis and Environmental Study in FY 2020. Based on a refined concept design for the project, the current cost estimate is \$116 million for the full build design (Phase 2), which includes planning, environmental, design, right-of-way acquisition, utility relocation, construction, and buses. Significant private (development) capital contributions, regional funding sources and/or other State/Federal funds will likely be required to move this project to the construction phase in future years. The City is currently seeking additional state funding (FY24-25 NVTA 70% funds, and FY26-27 Smart Scale funds) for the first phase of construction, and the determination of funding will be made in June 2020 (NVTA) and June 2021 (Smart Scale).

Once completed, this project will support development approved in the Eisenhower West, Eisenhower East and Landmark/Van Dorn Small Area Plans, while increasing transit options for local and through trips emphasizing inter-jurisdictional coordination.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan; High Capacity Transitway Corridor Work Group recommendations, Landmark/Van Dorn Small Area Plan, Alexandria Transit Vision Plan, Complete Streets Policy

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## TRANSIT CORRIDOR "C" - WEST END TRANSITWAY

DOCUMENT SUBSECTION: High Capacity Transit Corridors  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Van Dorn/Beauregard Corridor  
 REPORTING AREA: Beauregard

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 30+ Years

Transit Corridor "C" - West End Transitway													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	74,799,997	5,400,000	0	8,171,388	4,028,612	23,610,244	33,589,753	0	0	0	0	0	69,399,997
Financing Plan													
Cash Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
NVTA 70% Funds	4,600,000	2,400,000	0	2,200,000	0	0	0	0	0	0	0	0	2,200,000
State/Federal Grants	68,099,997	900,000	0	5,971,388	4,028,612	23,610,244	33,589,753	0	0	0	0	0	67,199,997
TIP	2,100,000	2,100,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	74,799,997	5,400,000	0	8,171,388	4,028,612	23,610,244	33,589,753	0	0	0	0	0	69,399,997
Additional Operating Impact	12,651,900	0	0	0	0	0	0	2,400,000	2,472,000	2,456,200	2,622,500	2,701,200	12,651,900

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to align with state grant schedule.

### PROJECT DESCRIPTION & JUSTIFICATION

Consistent with the City's 2008 Transportation Master Plan and the recommendations of the High Capacity Transit Corridor Work Group, (approved by Council in September 2011), this project will take a phased approach toward construction of a high-capacity Transitway between the Van Dorn Metrorail station and the Pentagon. This investment will support the development approved in the Landmark/Van Dorn Small Area Plan (SAP) and the Beauregard Corridor SAP.

The preliminary cost estimate for this project is approximately \$140 million which includes design, Right-of-way acquisition, utility relocation, construction, and rolling stock for the full build alternative, including dedicated lanes. The overall cost of the project has increased due to changes related to right of way acquisition. Under the Beauregard SAP (2012), it was anticipated that redevelopment of multiple parcels along the North Beauregard corridor would provide right of way to the City at no cost. However, the redevelopment along the corridor has not occurred at the rate which was anticipated at that time.

In 2017, the City was awarded \$10 million in SMART SCALE funding for the design, right-of-way and construction of project improvements specifically within Southern Towers. The City will begin planning in FY 2020, followed by design and construction. The City anticipates these improvements to be completed prior to the BRT operations, beginning in FY 2028. In 2018, the City was awarded an additional \$2.2 million in NVTA 70% funding, anticipated to become available in FY 2021. The City was also awarded \$57.2 million in FY 2024 - FY 2025 SMART SCALE funds for Design, right-of-way, construction and buses for a first phase focused on Transportation Systems Management (TSM) improvements, such as Transit Signal Priority, queue jump lanes, stations, pedestrian and bicycle improvements and intersection improvements.

In FY 2020-21, the City will begin the procurement for the Phase 1 (TSM) design. The first phase is anticipated to begin operation by FY 2028. The City still intends to construct the full build alternative that includes dedicated transit lanes on portions of Van Dorn Street and Beauregard Street. Additional funding and Right-of-way will be required to implement the full build alternative, and the City will continue to work with private developers for the additional right-of-way and seek other funding sources including federal funds.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Landmark / Van Dorn Corridor Study; Beauregard Small Area Plan; Eisenhower West Small Area Plan; Alexandria Transit Vision Plan

### ADDITIONAL OPERATING IMPACTS

The operating costs are a preliminary estimate based on the proposed service patterns.

## TRANSITWAY ENHANCEMENTS

DOCUMENT SUBSECTION: High Capacity Transit Corridors

PROJECT LOCATION: US 1 Corridor between Braddock Road metro station and Alexandria/Arlington border

MANAGING DEPARTMENT: Department of Transportation and Environmental Services

REPORTING AREA: Regional

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
ESTIMATE USEFUL LIFE: 11 - 15 Years

Transitway Enhancements													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,454,491	1,000,000	454,491	0	0	0	0	0	0	0	0	0	454,491
Financing Plan CMAQ/RSTP	1,454,491	1,000,000	454,491	0	0	0	0	0	0	0	0	0	454,491
Financing Plan Total	1,454,491	1,000,000	454,491	0	0	0	0	0	0	0	0	0	454,491
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project funds safety enhancements along segments of the City’s three planned transitway corridors, including items such as median islands with pedestrian refuges, new crossings and other safety enhancements for pedestrians, bicycle access improvements, signal technology to improve safety at intersections, and other potential Smart Mobility technologies. The funds may also be used for operational planning for the West End Transitway and Duke Street Transitway.

The City’s 2008 Transportation Master Plan recommends three transitways within the City, including Corridor A (Route 1 Metroway), Corridor B (Duke Street Transitway), and Corridor C (West End Transitway). These three corridors were further evaluated in the Transitway Corridors Feasibility Study (approved by Council in September 2011). The Route 1 Metroway has been operating since 2014, and additional expansion of the dedicated lanes are currently being planned. The Duke Street Transitway will begin the planning and environmental review in 2020, followed by design, Right-of-way acquisition, and construction. The West End Transitway has completed environmental review, and design for a first phase begins in 2020, followed by Right-of-Way acquisition and construction, and is currently anticipated to be operating by FY 2028.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan; WMATA Momentum

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## ACCESS IMPROVEMENTS AT LANDMARK

DOCUMENT SUBSECTION: Non-Motorized Transportation

PROJECT LOCATION: Duke Street between S Van Dorn Street and I-395, and S Van Dorn Street between Duke Street and Holmes Run Parkway

MANAGING DEPARTMENT: Department of Transportation and Environmental Services

REPORTING AREA: Landmark/Van Dorn

PROJECT CATEGORY: 3

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

ESTIMATE USEFUL LIFE: 21 - 25 Years

Access Improvements at Landmark													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	6,334,630	0	0	0	0	3,950,230	2,384,400	0	0	0	0	0	6,334,630
Financing Plan State/Federal Grants	6,334,630	0	0	0	0	3,950,230	2,384,400	0	0	0	0	0	6,334,630
Financing Plan Total	6,334,630	0	0	0	0	3,950,230	2,384,400	0	0	0	0	0	6,334,630
Additional Operating Impact	34,000	0	0	0	0	0	0	3,000	3,100	3,200	3,300	21,400	34,000

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will improve critical infrastructure access and connectivity improvements to a future transit hub in the redeveloped Landmark Mall. The transit hub will feature transit service provided by the West End Transitway, Duke Street Transitway, and several local bus routes. Access improvements from this project would be located along South Van Dorn Street and Duke Street. This project would construct new or improved infrastructure such as sidewalks, crosswalks, pedestrian refuge islands for safer crossings and other enhancements to support increased safety, access and accessibility to bus rapid transit services. As recommended in the Landmark/Van Dorn Small Area Plan, the redevelopment of the Landmark Mall site is envisioned as a high-density, mixed-use environment, with over 3,500 residential units, 350,000 sq.ft. of retail space, 1,000,000 sq.ft. of employment uses, and onsite amenities planned for full buildout.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Landmark Small Area Plan; Vision Zero; Complete Streets

### ADDITIONAL OPERATING IMPACTS

Additional funding for occasional concrete or asphalt repair work, and repainting of crosswalks will be necessary to maintain improvements in this area.

## ALEXANDRIA MOBILITY PLAN

DOCUMENT SUBSECTION: Non-Motorized Transportation  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 2  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

Alexandria Mobility Plan													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	840,000	840,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
State/Federal Grants	840,000	840,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	840,000	840,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding in the amount of \$500,000 was moved from FY 2021 to FY 2020 and appropriated in the Fall 2019 Supplemental Appropriation Ordinance.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for a comprehensive update to the sections of the 2008 Transportation Master Plan not completed with the Pedestrian and Bicycle Master Plan Update, including an update to the Streets, Curbside Management, Smart Mobility, Transportation Demand Management and Transit chapters.

This strategic update will reflect the significant changes to the City's transportation network and the general framework to improve mobility and accessibility in a sustainable and equitable manner. The Transportation Master Plan update will be strategically aligned to other City-led policies and plans such as the Environmental Action Plan, Vision Zero Action Plan and the Complete Streets Program, among other City Policies and Programs.

Funding is provided for a master plan update only, and this project does not include implementation funding. Anticipated completion will be in 2021.

Updating the 2008 Transportation Master Plan will provide for opportunities to increase the livability of neighborhoods, improve and increase mobility, and access to social and economic activities for residents, and provide residents additional transportation options.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

T&ES Strategic Plan, Complete Streets Policy, Vision Zero, Alexandria Transit Vision, Environmental Action Plan 2040

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## BACKLICK RUN MULTI-USE PATHS PHASE I

DOCUMENT SUBSECTION: Non-Motorized Transportation

PROJECT LOCATION: Backlick Run Trail Phase I -  
from Armistead Boothe Park to  
South Van Dorn St.

MANAGING DEPARTMENT: Department of Transportation  
and Environmental Services

REPORTING AREA: Landmark/Van Dorn

PRIMARY STRATEGIC THEME: Theme 10: Multimodal  
Transportation

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

Backlick Run Multi-Use Paths													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	7,462,545	2,851,894	0	2,210,003	2,100,648	300,000	0	0	0	0	0	0	4,610,651
Financing Plan													
CMAQ/RSTP	1,918,000	1,918,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	5,544,545	933,894	0	2,210,003	2,100,648	300,000	0	0	0	0	0	0	4,610,651
Financing Plan Total	7,462,545	2,851,894	0	2,210,003	2,100,648	300,000	0	0	0	0	0	0	4,610,651
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to extend Backlick Run Trail westward between Armistead Boothe Park and South Van Dorn Street. This is the first of a two-phase project to extend Backlick Run Trail west to the Fairfax County Line.

This project was identified as a high priority project in the Transportation Master Plan and was also a recommendation of the Eisenhower West and Landmark/Van Dorn Small Area Plans. This project supports the City's sustainability goals outlined in the Environmental Action Plan by increasing mobility, access, and convenience for healthy modes of transportation, such as walking and biking. This project will also increase access to transit by improving multimodal connections around the Van Dorn Street Metro Station and to the future West End Transitway. Once completed, the trail will help better connect the far west side of the City with the east side and beyond via the existing regional trail network. Completion of this trail project is dependent upon the redevelopment of the adjacent commercial flex warehouse/retail buildings which face Pickett Street.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eisenhower West Small Area Plan; Landmark Van Dorn Corridor Plan;  
Transportation Master Plan (Pedestrian and Bicycle Chapter)

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## BICYCLE PARKING AT TRANSIT

DOCUMENT SUBSECTION: Non-Motorized Transportation  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 11 - 15 Years

Bicycle Parking at Transit													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	505,000	505,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
State/Federal Grants	505,000	505,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	505,000	505,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

Using a bicycle continues to grow as a viable option for people traveling within, to, and through Alexandria. This is in large part due to on and off-street bicycle network improvements, both in the City and the region at large. To enhance mobility options and transportation management, the City will further improve the viability of using a bicycle through the provision of bicycle parking facilities at transit stops, locations with demand proximate to transit and public facilities.

The majority of improvements funded through this project include racks, concrete pads and associated fix-it stations. This project also provides for the implementation of bicycle shelters at transit-proximate demand points.

The project is funded in full through CMAQ and RSTP funds, and no City match is required. Installation of these improvements is scheduled for FY 2021.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

T&ES Strategic Plan; Transportation Master Plan; Pedestrian and Bicycle Master Plan

#### ADDITIONAL OPERATING IMPACTS

Additional operating impacts will be minimal and limited to repairing and replacing equipment.

## CAMERON & PRINCE BICYCLE & PEDESTRIAN FACILITIES

DOCUMENT SUBSECTION: Non-Motorized Transportation  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Cameron St. and Prince St.  
 REPORTING AREA: Old Town

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 11 - 15 Years

Cameron & Prince Bicycle & Pedestrian Facilities													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	240,000	240,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
NVTA 30% Funds	240,000	240,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	240,000	240,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project has improved the non-motorized transportation network with the installation of bicycle facilities and pedestrian improvements from the King Street Metro Station and Union Station to the Waterfront along Cameron and Prince Streets. This project helps to promote multiple transportation choices through improved pedestrian accessibility, dedicated bicycle facilities, and access to transit, thereby helping to reduce carbon emissions and improving health. Bicycle and pedestrian facilities were recommended in the Transportation Master Plan and provide important connectivity between two major transit hubs and the Mount Vernon Trail as well as through one of Alexandria’s major activity centers.

Pedestrian improvements implemented with this project included crossings enhanced with upgraded markings and curb ramp improvements. Pedestrian count-down signals were installed in FY 2016 as part of this project. The existing bicycle facilities were improved by providing bicycle lanes and bicycle parking along the corridor with no loss of traffic capacity or traffic lanes.

Funding was provided in FY 2016 through NVTA 30% funds. Construction of the bicycle facilities were implemented in FY 2017, however implementation on Daingerfield Road and Diagonal Road remain on hold pending the completion of the King Street Metrorail Station Area Improvements project which includes repaving these two roads. The final improvements, including bicycle counters are expected to be made in FY 2021.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan, Pedestrian and Bicycle Master Plan, Strategic Plan, Vision Zero

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## CAPITAL BIKESHARE

DOCUMENT SUBSECTION: Non-Motorized Transportation  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

Capital Bikeshare													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	5,557,757	4,307,757	350,000	400,000	250,000	250,000	0	0	0	0	0	0	1,250,000
Financing Plan													
CMAQ/RSTP	1,652,196	402,196	350,000	400,000	250,000	250,000	0	0	0	0	0	0	1,250,000
GO Bond Interest Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	0	0	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	3,905,561	3,905,561	0	0	0	0	0	0	0	0	0	0	0
TIP	0	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	5,557,757	4,307,757	350,000	400,000	250,000	250,000	0	0	0	0	0	0	1,250,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

Bike sharing is a service where public bicycles are made available for shared use. Users can pick up and drop off bikes at designated stations by registering online, by phone, or at a station. Successful bike sharing programs tend to have stations that are tightly clustered, spaced approximately a quarter mile from one another, and are near Metrorail stations, commercial centers, tourist destinations, or mixed-use development.

Capital Bikeshare is a regional system with stations in the District of Columbia, Arlington County, VA, Fairfax County, VA, Falls Church, VA, Prince George’s County, MD, and Montgomery County, MD. Alexandria joined the Capital Bikeshare network in 2012 and began implementation with eight bike share stations as a pilot program in Old Town, using CMAQ/RSTP grant funding. The program expanded to Del Ray and Carlyle in 2014 through the addition of eight stations. Fifteen more stations were added in spring and summer 2016 using grant funding as well as private capital contributions, for a total of 31 stations in Alexandria. The City is currently completing the review process with VDOT to add ten more stations to the system for a total of 41 stations the City anticipates these will be installed in FY 2021.

Stations are located in areas identified in the Transportation Master Plan through a demand model and with input from the community. Capital costs for stations and bicycles are dependent on size of the station and number of docks.

Bikeshare provides access to transit and other activity centers and supports the well-being of residents and families by allowing more transportation choices that help to provide flexibility and mobility to residents. Bikeshare provides expanded connections to transit, thereby helping to reduce carbon emissions and improving health.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Pedestrian and Bicycle Master Plan

### ADDITIONAL OPERATING IMPACTS

Annual contractor operating costs are offset by user fees and differ annually depending on the size of the system and contract prices and rates.

## COMPLETE STREETS

DOCUMENT SUBSECTION: Non-Motorized Transportation  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

Complete Streets													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	17,875,168	9,229,888	860,280	1,073,000	786,000	800,000	814,000	829,000	845,000	862,000	879,000	897,000	8,645,280
Financing Plan													
Cash Capital	12,493,092	6,097,812	860,280	823,000	536,000	550,000	564,000	579,000	595,000	612,000	629,000	647,000	6,395,280
GO Bond Interest Earnings	75,000	75,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	4,971,310	2,721,310	0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,250,000
Prior Capital Funding	9,766	9,766	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	0	0	0	0	0	0	0	0	0	0	0	0	0
TIP	326,000	326,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	17,875,168	9,229,888	860,280	1,073,000	786,000	800,000	814,000	829,000	845,000	862,000	879,000	897,000	8,645,280
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recoded as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This program funds capital infrastructure improvements that enhance the safety, accessibility, mobility, comfort, and convenience of people driving, using transit, and those walking and biking. These improvements shall be planned and implemented in accordance with the 2014 Complete Streets Policy, the 2016 update to the Pedestrian and Bicycle Chapter of the Alexandria Transportation Master Plan, and the 2017 Vision Zero Action Plan, and ensure compliance with federal regulations that mandate accessibility improvements in all street alteration projects (i.e. the Americans with Disabilities Act) and allows the city to comply with the Commonwealth Transportation Board adopted “Policy for Integrating Bicycle and Pedestrian Accommodations.”

This project addresses missing multimodal infrastructure and projects that could require engineering, design and construction funding to meet the goals of the various guiding plans. Non-motorized transportation network improvements include repairs, upgrades, or the installation of new sidewalks, pedestrian crossings, on-street bicycle facilities, bicycle parking, and access ramps throughout the City. Motorized transportation network improvements include upgrades or the installation of adjustments to intersections, street segments, and travel lanes. The implementation of these improvements is primarily coordinated with the City's annual street resurfacing programs, however improvements are not limited to the resurfacing program.

Planned FY 2021 funding includes \$300,000 for priority engineering improvement projects in the recently-adopted Vision Zero Action Plan that focus on both high crash locations and systematic safety improvements for people driving, walking or wheeling, using public transit, and bicycling as well as vulnerable road users like seniors and children. These projects may include intersection re-design and construction, intersection operational changes, infrastructure upgrades like pedestrian walk signals, improved crosswalks, curb ramps, and multi-departmental efforts. Through FY 2021, efforts will focus on short-term recommendations, prioritizing design, striping, signal timing, and smaller-scale construction projects. Efforts will also focus on securing funding, outreach, and design for larger projects to be implemented in later years.

In FY 2021, one Urban Planner III and one Principal Planner position will be funded from this capital project, providing direct support to implement the aforementioned plans and policies as well as capital projects associated with the Vision Zero and Complete Streets programs.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan; Complete Streets Policy; Complete Streets Design Guidelines; Eco-City Charter; Citywide Park Improvement Plans; Neighborhood Park Improvement Plans; Vision Zero Action Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## Complete Streets (continued)

## Complete Streets FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
<b>Description</b>	<b>Amount</b>
Complete Streets Staffing*	\$45,280
Complete Streets Projects planned, designed, and implemented in accordance with repaving (ADA upgrades, crosswalks, pedestrian signals, data collection, etc.)	\$250,000
Safe Routes to Schools improvements not associated with repaving projects	\$50,000
Vision Zero Safety Improvement planning, design, and implementation outside of repaving projects	\$300,000
Pedestrian signals program (not associated with repaving)	\$40,000
Pedestrian and Bicycle Master Plan priority projects not associated with repaving	\$100,000
Residential sidewalk projects	\$50,000
Citizen requests for improvements	\$25,000
<b>Total Fiscal Year 2021</b>	<b>\$860,280</b>

\*Note: FY 2021 will utilize \$200,000 of accumulated vacancy savings in the Complete Streets project for FY 2021 staffing.

<b>Fiscal Year 2022</b>	
<b>Description</b>	<b>Amount</b>
Complete Streets Staffing	\$258,000
Complete Streets Projects planned, designed, and implemented in accordance with repaving (ADA upgrades, crosswalks, pedestrian signals, data collection, etc.)	\$150,000
Safe Routes to Schools Improvements not associated with repaving projects	\$50,000
Vision Zero Safety Improvement planning, design, and implementation outside of repaving projects	\$300,000
Complete Streets Projects planned, designed, and implemented outside of repaving (ADA upgrades, crosswalks, pedestrian signals, data collection, etc.)	\$100,000
Pedestrian signals program (not associated with repaving)	\$40,000
Pedestrian and Bicycle Master Plan priority projects not associated with repaving	\$100,000
Residential sidewalk projects	\$50,000
Citizen requests for improvements	\$25,000
<b>Total Fiscal Year 2022</b>	<b>\$ 1,073,000</b>

<b>Fiscal Year 2023</b>	
<b>Description</b>	<b>Amount</b>
Complete Streets Staffing	\$271,000
Complete Streets Projects planned, designed, and implemented in accordance with repaving (ADA upgrades, crosswalks, pedestrian signals, data collection, etc.)	\$150,000
Safe Routes to Schools Improvements not associated with paving projects	\$50,000
Complete Streets Projects planned, designed, and implemented outside of repaving (ADA upgrades, crosswalks, pedestrian signals, data collection, etc.)	\$100,000
Pedestrian signals program (not associated with repaving)	\$40,000
Pedestrian and Bicycle Master Plan priority projects not associated with repaving	\$100,000
Residential sidewalk projects	\$50,000
Citizen requests for improvements	\$25,000
<b>Total Fiscal Year 2023</b>	<b>\$ 786,000</b>

## DUKE STREET AND WEST TAYLOR RUN SAFETY IMPROVEMENTS

DOCUMENT SUBSECTION: Non-Motorized Transportation

PROJECT LOCATION: Duke Street at West Taylor Run Parkway and the Telegraph Road Ramp

MANAGING DEPARTMENT: Transportation and Environmental Services/  
Department of Project Implementation

REPORTING AREA: Central Alexandria

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
ESTIMATE USEFUL LIFE: 15-20 years

Duke Street and West Taylor Run Safety Improvements													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	6,450,460	2,545,000	0	0	0	3,905,460	0	0	0	0	0	0	3,905,460
Financing Plan													
Cash Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	6,450,460	2,545,000	0	0	0	3,905,460	0	0	0	0	0	0	3,905,460
Financing Plan Total	6,450,460	2,545,000	0	0	0	3,905,460	0	0	0	0	0	0	3,905,460
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP. During FY 2020, state grants in the amount of \$2,545,000 were transferred from the Old Cameron Run Trail and BRAC Neighborhood Protection Plan projects to Duke Street and West Taylor Run Safety Improvements.

### PROJECT DESCRIPTION & JUSTIFICATION

The Duke Street and West Taylor Run Parkway Intersection Improvement project consist of design modifications to improve signal operation and enhance multimodal safety. In addition, this project will include a new connection from Duke Street eastbound to Telegraph Road southbound.

A key recommendation of the Central Alexandria Traffic Study Task Force was to pursue short and long-term improvements for the Duke Street and West Taylor Run Parkway intersection and evaluate potential impacts to the surrounding network. Duke Street is a high-volume roadway that was identified as a high crash corridor. The Duke Street at West Taylor Run intersection is the fifth highest crash location in the City based on the Police Department’s crash database. This project will improve safety and reduce peak hour queuing and merging maneuvers on Duke Street by constructing a new connection to Telegraph Road. In addition, updated crosswalks and potential relocation of bus stops would lead to better multimodal connection and enhanced safety.

The traffic analysis will occur in FY 2021 and FY 2022, and community engagement will begin in FY 2021.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## HOLMES RUN TRAIL CONNECTOR

DOCUMENT SUBSECTION: Non-Motorized Transportation

PROJECT LOCATION: Holmes Run Parkway between Ripley Street and North Pickett Street

MANAGING DEPARTMENT: Department of Transportation and Environmental Services

REPORTING AREA: Seminary Hill/Landmark/Van Dorn

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

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

Holmes Run Trail Connector													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	1,286,218	1,286,218	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	115,676	115,676	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	1,170,542	1,170,542	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,286,218	1,286,218	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will provide a shared-use path on the south side of Holmes Run between Ripley Street and North Pickett Street. This will increase mobility, access, and convenience for people walking and biking on Holmes Run Parkway, since there is currently no infrastructure to serve people walking or biking on the north side of the street. The trail will provide new multimodal connections to transit, parks, and the regional trail network for users of all abilities.

The Holmes Run Trail Connector was identified as a priority project in the Transportation Master Plan. This project also supports the sustainability goals outlined in the City’s Environmental Action Plan by making sustainable modes of transportation easier and more attractive.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan; Citywide Park Plan; Eco-City Charter; Environmental Action Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## MT. VERNON AVENUE NORTH COMPLETE STREETS

DOCUMENT SUBSECTION: Non-Motorized Transportation

PROJECT LOCATION: Mt. Vernon Ave corridor, from E Glebe Road to City Limit

MANAGING DEPARTMENT: Department of Transportation and Environmental Services

REPORTING AREA: Potomac West

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

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

Mt. Vernon Avenue North Complete Streets													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	520,000	520,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
CMAQ/RSTP	520,000	520,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	520,000	520,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will design and construct traffic safety and accessibility improvements on Mount Vernon Avenue from the northern City boundary south to West Glebe Road. Many improvements for this corridor were identified in the Transportation Plan Chapter's Pedestrian Case Study for the Mount Vernon Avenue corridor. Improvements were also identified during prior outreach efforts conducted with the community and through outreach associated with the Arlandria Small Area Plan update.

This project addresses multiple issues including a high crash history, complicated intersections with challenging geometry and right-of-way issues, and frequent, uncontrolled pedestrian crossings in a high-activity area for residents of the Arlandria neighborhood. Elements of the project could include intersection improvements, bus stop upgrades, repairs or enhancements to sidewalks and pedestrian crossings, ADA accessible ramps and bicycle facilities and parking throughout the corridor.

This project is of regional interest because it is occurring in an Equity Emphasis Area as identified by the Metropolitan Council of Government's Transportation Planning Board.

This project is funded through a combination of state, federal, CMAQ, and local/TIP funding. The improvements funded must follow the original requirements of the funds, such as addressing Congestion Mitigation and Air Quality, etc.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Pedestrian and Bicycle Master Plan; Vision Zero; Transportation Master Plan; MWCOG TPB Equity Emphasis Areas for TPB Enhanced Environmental Justice Analysis

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## MT. VERNON TRAIL AT EAST ABINGDON

DOCUMENT SUBSECTION: Non-Motorized Transportation	PROJECT LOCATION: Mt. Vernon Trail at E. Abingdon Drive
MANAGING DEPARTMENT: Department of Project Implementation	REPORTING AREA: Old Town North
PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation	PROJECT CATEGORY: 2 ESTIMATE USEFUL LIFE: 21 - 25 Years

Mt. Vernon Trail @ East Abingdon													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	850,000	850,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Reprogrammed TIP Bonds	85,000	85,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	750,000	750,000	0	0	0	0	0	0	0	0	0	0	0
TIP	15,000	15,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	850,000	850,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will construct mobility, safety, and access improvements at the intersection of the Mount Vernon Trail, East Abingdon Drive, Slater’s Lane, and George Washington Parkway where the trail and sidewalk width conflicts with vehicular traffic making pedestrian travel challenging.

This project will improve safety by enhancing connections to transit and to the Mount Vernon Trail, which is a critical component of the regional trail network. This project supports the sustainability goals in the City’s Environmental Action Plan by making healthy modes of transportation safer, more convenient, and more attractive. The Mount Vernon Trail is necessary in supporting a multi-modal environment and providing local and regional connectivity necessary to support local tourism and businesses.

The current total project funding is \$850,000 and is funded by SAFETEA-LU funding (\$750,000) that is administered through the Northern Virginia Regional Commission (NVRC) and \$100,000 in Transportation Improvement Program (TIP) funding. It is anticipated that the cost of this project may increase due to the need for additional right of way.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

T&ES Strategic Plan; Transportation Master Plan; Pedestrian and Bicycle Master Plan; Environmental Action Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## OLD CAMERON RUN TRAIL

DOCUMENT SUBSECTION: Non-Motorized Transportation

PROJECT LOCATION: Old Cameron Run at South Payne Street to Hooffs Run Drive

MANAGING DEPARTMENT: Department of Project Implementation

REPORTING AREA: Eisenhower East

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

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

Old Cameron Run Trail													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	8,359,000	3,545,000	0	0	1,646,273	1,122,727	2,045,000	0	0	0	0	0	4,814,000
Financing Plan													
GO Bonds	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	8,259,000	3,445,000	0	0	1,646,273	1,122,727	2,045,000	0	0	0	0	0	4,814,000
Financing Plan Total	8,359,000	3,545,000	0	0	1,646,273	1,122,727	2,045,000	0	0	0	0	0	4,814,000
Additional Operating Impact	71,400	0	0	0	0	0	9,100	9,400	9,700	13,000	13,400	16,800	71,400

### CHANGES FROM PRIOR YEAR CIP

State grant funding moved to FY 2023 – FY 2025 timeframe. During FY 2020, state grant funding was transferred between this project and the Duke Street and West Taylor Run project to better align Old Cameron Run Trail project with the completion of AlexRenew’s combined sewer outfall mitigation work in this area.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will construct a 0.5 mile shared-use path between Hooffs Run Drive and the existing off-street trail east of Hooffs Run, addressing a major gap in the City’s approved “Green Crescent” trail system and ultimately providing a key link in the bicycle and pedestrian multimodal transportation system.

Completion of this trail is necessary to support a multi-modal environment by providing local and regional connectivity to the Mount Vernon Trail and connecting the Eisenhower East area with South Old Town. Additionally, the trail will encourage more walking, biking, and transit use, thereby helping to reduce carbon emissions and improve health. This trail project was identified as a top 3 priority project in the Transportation Master Plan.

The City began initial trail design in FY 2019. Construction is anticipated to begin in FY 2025 after the completion of AlexRenew’s Project; which is adjacent to the trail, and a portion of the trail passes through AlexRenew’s property.

The project is funded using VDOT Smart Scale and Local Funds.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan, Eisenhower East Small Area Plan

### ADDITIONAL OPERATING IMPACTS

Trail clearing and snow removal. Trail resurfacing and periodic signage replacement will also be necessary.

## SEMINARY / HOWARD SAFETY IMPROVEMENTS

DOCUMENT SUBSECTION: Non-Motorized Transportation	PROJECT LOCATION: Seminary Road at North Howard Street
MANAGING DEPARTMENT: Department of Transportation and Environmental Services	REPORTING AREA: Seminary Hill
PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation	PROJECT CATEGORY: 3 ESTIMATE USEFUL LIFE: 21 - 25 Years

Seminary / Howard Safety Improvements													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	378,000	378,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
State/Federal Grants	378,000	378,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	378,000	378,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will provide safety upgrades for motorists and people who walk at the intersection of Seminary Road and North Howard Street. These improvements were identified in the Seminary Road/Hammond Middle School Pedestrian Case Study in the Transportation Master Plan, adopted in 2016. This project is funded through the state's Highway Safety Improvement Program. Funds became available in FY 2020.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Pedestrian and Bicycle Master Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

### SHARED-USE PATHS

DOCUMENT SUBSECTION: Non-Motorized Transportation  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 30+ Years

Shared-Use Paths													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,491,357	1,041,357	0	150,000	0	150,000	0	150,000	0	0	0	0	450,000
Financing Plan													
Cash Capital	1,096,000	646,000	0	150,000	0	150,000	0	150,000	0	0	0	0	450,000
GO Bonds	395,357	395,357	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	0	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,491,357	1,041,357	0	150,000	0	150,000	0	150,000	0	0	0	0	450,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

#### CHANGES FROM PRIOR YEAR CIP

Project funding reduced by \$750,000 based on current identified shared-use path repair needs.

#### PROJECT DESCRIPTION & JUSTIFICATION

The 2011, 2013, 2015 and 2017 Parks and Recreation Needs Assessment Survey found that walking and biking trails were the two most important improvements needed for parks, recreation, and cultural amenities in Alexandria. This project funds reconstruction of existing paths and shared-use paths as required.

Funding is provided for the reconstruction, repaving, or other maintenance needs of existing paths, and implementation of new paths in conjunction with larger capital projects. Projects may also include enhancements for safety and collection of data along existing paths.

The trails provide pedestrian and bicycle connections throughout the City, improving walkability and encouraging healthy lifestyles, and promoting environmental responsibility and ecological awareness through increased opportunities for exposure to outdoor environments and natural resources. Annual maintenance funding also enhances the level of service currently provided to the public, while maintaining the value of the City’s capital infrastructure.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Consistent with the T&ES Strategic Plan; Pedestrian and Bicycle Master Plan, Four Mile Run Implementation Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## SIDEWALK CAPITAL MAINTENANCE

DOCUMENT SUBSECTION: Non-Motorized Transportation  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 30+ Years

Sidewalk Capital Maintenance													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	9,523,269	4,389,469	600,000	309,000	636,600	327,900	675,400	347,800	716,500	369,000	760,100	391,500	5,133,800
Financing Plan													
Cash Capital	3,689,469	3,689,469	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	5,833,800	700,000	600,000	309,000	636,600	327,900	675,400	347,800	716,500	369,000	760,100	391,500	5,133,800
Financing Plan Total	9,523,269	4,389,469	600,000	309,000	636,600	327,900	675,400	347,800	716,500	369,000	760,100	391,500	5,133,800
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project supports Capital Sidewalk Maintenance which supplements existing operating funds used for sidewalk repairs. Capital Maintenance is typically more substantial in nature and may include sidewalk reconstruction and widening. The City makes every attempt to align sidewalk capital maintenance with planned roadway resurfacing projects. Operating funds used for sidewalk maintenance are typically spot repairs to concrete and brick as a result of damage from tree roots, freeze/thaw cycles and other minor maintenance requests through the Call.Click.Connect. system.

Sidewalk maintenance is required by the federal Americans with Disabilities Act. The Department of Justice in 1991 required that all new and altered facilities, including sidewalks, street crossings and related pedestrian facilities, be accessible to and usable by people with disabilities. By federal law, the City is required to make sidewalks and adjacent curb ramps accessible when doing any alterations (i.e. repaving) to the streets. Thus, the sidewalk maintenance account must be funded proportionately to the street resurfacing budget.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan; Pedestrian and Bicycle Mobility Plan;

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## Sidewalk Capital Maintenance (continued)

## Sidewalk Capital Maintenance FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>
Description
Callahan Drive from King Street to Duke Street
North Pitt Street from Oronoco Street to King Street
King Street from Callahan Street Dangerfield Street
North and South Union Street from Pendleton Street to Franklin Street
North and South Fairfax Street from Jefferson Street to Third Street
South Walker Street from Duke Street to Stevenson Avenue
West Taylor Run Parkway from Janneys Lane to Duke Street
East Abingdon Drive from Second Street to Slaters Lane
Commonwealth Avenue from East Braddock Road to King Street
Duke Street from South Patrick Street to Strand Street
Hume Avenue from Commonwealth Avenue to Richmond Highway
North Floyd Street from Duke Street to North French Street
Fendall Avenue from Duke Street to South Floyd Street
Wellington Road from Beverley Drive to Chalfonte Drive
Fillmore Avenue from Seminary Road to End
Farm Road from Beverley Drive to Circle Terrace
North Gladden Street from Uline Avenue North Grayson Street
North Grayson Street from North Gladden Street to Uline Avenue
Tulsa Place from North Gordon to End
Uline Avenue from North Gordon Street to Taney Avenue
North and South West Street from Duke Street to Wythe Street
Skyhill Road from Janneys Lane to End
Daingerfield from King Street to Duke Street
North Morgan Street from North Chambliss Street to End
North and South Alfred Street from First Street to Church Street
Reading Avenue from North Beauregard Street to End
Rayburn Avenue from North Beauregard Street to Reading Avenue
South Iris Street from Venable Avenue to Vermont Avenue
Cameron Mills Road from Virginia Avenue to Allison Street
Marlboro Drive from West Braddock Road to End
Fort Ward Place from Ellicott Street
Ellicott Street from Marlboro Drive to End
Crown View Drive from Clover Way to Dartmouth Road
Moncure Dr from S View Terr to Hilton St (Base Repairs)
Jewell Court from North Chambliss Street to End
Anderson Court from Jewell Court to End
North and South Saint Asaph Street from First Street to End
CityWide Alley Resurfacing

Sidewalk Capital Maintenance (continued)

Sidewalk Capital Maintenance FY 2021 – FY 2023 Project List (continued)

<b>Fiscal Year 2022</b>
Description
Eisenhower Avenue from Mill Road to Holland Lane
West Braddock Road from King Street to Russell Road
North and South Washington Street from First Street to Church Street
North Howard Street from North Jordan Street to Raleigh Avenue
Executive Avenue from Kentucky Avenue to Mount Vernon Avenue
Kentucky Avenue from Old Dominion Boulevard to Russell Road
Alabama Avenue from Kentucky Avenue to Carolina Place
East and West Luray Avenue from West Braddock Avenue to Leslie Avenue
Beverly Drive from Valley Drive Washington Circle
Allison Street from Valley Drive to Old Dominion Boulevard
Echols Avenue from Seminary Road to North Stevens Street
Burgess Avenue Entire Length (Exclude Service Road)
Aspen Street from Landover Street to Russell Road (Exclude Service Road)
Guthrie Avenue from Landover Street to Mosby Street (Exclude Service Road)
Lomack Court Entire Length
Holly Street from Aspen Street to West Mt Ida Avenue
Birch Street from Holly Street to Russell Road
Pine Street from Holly Street to Russell Road
Evans Lane from Richmond Highway to East Reed Avenue
Lynhaven Drive from Wilson Avenue to End
Diagonal Road from King Street to Duke Street
Montrose Avenue from East Raymond Avenue to Richmond Highway
Stewart Avenue from Mount Vernon Avenue to East Randolph Avenue
Anderson Lane from West Windsor Avenue to Richards Lane
Richards Lane from Anderson Lane to West Windsor Avenue
North Garland Street from Fort Worth Avenue to End
Richenbacher Avenue from North Van Dorn Street to North Pickett Street
Lowell Avenue from North Chambliss Street to End
South Gordon Street from Duke Street to Wheeler Avenue
Venable Avenue from South Jordan Street to South Iris Street
Underwood Place from South Ingram Street to End
Cathedral Drive from Trinity Drive to End
Benning Court from North Chambliss Street to End
South Ingram Street from Duke Street to Vermont Avenue
Greenwood Place from Seminary Road to End
Knox Place Entire Length
Rutland Place from North Pickett Street to End
East and West Nelson Avenue from Russell Road to Leslie Avenue
George Mason Place from Monticello Boulevard to End
Westminster Place from Monticello Boulevard to End
Terrett Avenue from East Mt Ida to East Randolph Avenue
Usher Avenue from South Floyd Street to South Early Street
Colfax Avenue from Seminary Road to North Rosser Street
North Beauregard Street from Seminary Road to King Street
King James Place from Seminary Road to End
Dulany Street from Duke Street to End
North Early Street from West Braddock Road to End
CityWide Alley Resurfacing

Sidewalk Capital Maintenance (continued)

Sidewalk Capital Maintenance FY 2021 – FY 2023 Project List (continued)

<b>Fiscal Year 2023</b>
Description
Eisenhower Ave Concrete from 1000' W of Cameron Park Place to Lake Cook Entrance
Gibbon St from South Payne Street to South Union Street
Griffith Place from Fort Williams to end
John Carlye Street from Eisenhower Avenue to Duke Street
North Dearing Street from King Street to end
Sanger Avenue from South Van Dorn to end
Quantrell Lane from Lincolnia Road to Beauregard Street
Templeton Place from Fort Williams Parkway to end
Bennett Street from Saylor Place to End
Sterling Avenue from North Quaker Lane End
Earl Street from Oronoco Street to Princess Street
Tower Court from South Whiting Street End
Florence Drive from West Glebe Road to End
Four Mile Road from Mount Vernon to Florence Drive
West Caton Avenue from Sanford Avenue to Commonwealth Avenue
Reinekers Lane from Diagonal Road to Duke Street
Albany Avenue from King Street to End
Arell Court from Duke Street to End
Calhoun Avenue from North Rosser Street to End
Chelsea Court from Fort Williams to End
Clermont Avenue from Eisenhower Avenue to End
Cockrell Court from Duke Street to End
Coventry Lane from Gibbons to End
East and West Oak Street from Mount Vernon Avenue to Russell Road
East Uhler from Mount Avenue Avenue Commonwealth Avenue
Englehardt Lane from Jamieson Avenue to End
Farrington Avenue to South Van Dorn to the City Limits
Fendall Avenue from Duke Street to South Floyd Street
Furman Avenue from Taney Avenue to Uline Avenue
Garden Drive from Usher Avenue to Vermont Avenue
South 28th Street from King Street to End
North Stevenson from Fillmore to End
Palmer Place from Polk Avenue End
Pender Court from Palmare Place to End
Hancock Avenue from West Braddock to End
Key Drive from Francis Hammond Parkway to End
Jackson Place from Woodland Terrace to Tyler Place
Valley Drive from Preston Road to West Braddock Road
Lasalle avenue from North Pickett to Juliana Place
Longview Drive from Duke Street to End
Loyola Avenue from North Howard Street to Stonebridge Road
Mark Center Drive from Seminary Road to North Beauregard Street
Maris Avenue from North Van Dorn Street
Monticello Blvd from Cameron Mills to Russell Road
Moss Place from Fort Worth Avenue to End
Notabane Drive from Old Dominion Boulevard to Four Mile Road
North Quaker Lane from Duke Street to West Braddock Road
Pommander Walk Street from Franklin Street to South Union Street
North Frost Street from Lawrence Street to Seminary Road
Potomac Greens Drive from Slaters Lane
Pine Street from Russell Road to Holly Street
Queen Street from North West Street to North Union Street
Raleigh Avenue Entire Length
Richmar Place from North Latham Street to End
Rosecrest Avenue from West Custis Avenue to Russell Road
South Floyd from Duke Street to Wheeler Avenue
Sunset Drive from King Street to Commonwealth Avenue
Surry Place from North Latham Street to End
Suter Street from Earl Street to End
Sweeley Street from Duke Street to Colvin Street
Talbort Place from North Pegram Street to Prospect Place
Edsall Road from South Van Dorn to Cameron Station Road
Jamieson Avenue from Anderson Lane to End
Vasser Road from Cambridge to End (Vasser Place)
CityWide Alley Resurfacing

## VAN DORN STREET - BEAUREGARD STREET MULTI-USE TRAIL

DOCUMENT SUBSECTION: Non-Motorized Transportation

PROJECT LOCATION: North Beauregard Street  
between Seminary Road and King Street

MANAGING DEPARTMENT: Department of Transportation and Environmental Services

REPORTING AREA: Landmark/Van Dorn/Seminary Hill/Beauregard

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

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

### Van Dorn/Beauregard Bicycle Facilities

	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget		1,458,869	0	0	0	0	0	0	0	0	0	0	0
Financing Plan State/Federal Grants	1,458,869	1,458,869	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,458,869	1,458,869	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to design and construct a Shared-Use bicycle and pedestrian path along Beauregard Street between Seminary Road and King Street, as recommended in the Transportation Master Plan. This facility would provide connections to the Mark Center and Four Mile Run Trail in Arlington. This project will also help meet sustainability goals established in the City's Environmental Action Plan by increasing mobility, access, safety, and convenience for people walking and biking. This Shared Use path will also complement the West End Transitway by providing enhanced access to BRT stations along Beauregard Street.

Segments of the Shared-Used Path may be designed and construction performed by private developers as parcels are redeveloped.

This project will be fully funded through restricted funding sources/grants and will require additional City funding. State and federal grants were secured for design in FY 2019 and for construction in FY 2020.

Construction is anticipated to begin in FY 2023.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Beauregard Small Area Plan; Landmark Van Dorn Corridor Plan; Transportation Master Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## BRIDGE REPAIRS

DOCUMENT SUBSECTION: Streets & Bridges  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 11 - 15 Years

Bridge Repairs													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	34,432,175	9,544,975	1,445,000	1,844,700	1,758,900	1,800,600	2,178,500	2,369,300	2,583,200	3,433,600	4,159,400	3,314,000	24,887,200
Financing Plan													
Cash Capital	2,942,975	2,942,975	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	14,000	14,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	30,825,200	5,938,000	1,445,000	1,844,700	1,758,900	1,800,600	2,178,500	2,369,300	2,583,200	3,433,600	4,159,400	3,314,000	24,887,200
TIP	650,000	650,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	34,432,175	9,544,975	1,445,000	1,844,700	1,758,900	1,800,600	2,178,500	2,369,300	2,583,200	3,433,600	4,159,400	3,314,000	24,887,200
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP. The funding plan now reflects the investments needed for the City's long-term maintenance plan for bridges and is based upon a recent survey of bridge conditions.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for the maintenance, repair, and painting of steel structures, joint sealing, bearing repairs, and the rehabilitation of bridge decks and structures. The City conducts a federally mandated bridge inspection program for in-service bridges and designates safety ratings to the bridges inspected. All bridges in the City are inspected at a minimum of every two years, and the results are reported to the State. Industry standards indicate that bridges need to be repainted every 10 to 15 years, while bridge deck reconstruction and rehabilitation may be required every 20 to 25 years.

In FY 2019, staff developed a long-term maintenance plan for the preventive maintenance, corrective maintenance, and repair of all bridges inspected and maintained by the City. This plan identifies all major and minor repair work needed for all City bridges and identifies a regular maintenance interval for each bridge. In FY 2020, \$300,000 was added to include repairs to the bridge on Eisenhower Ave. over Cameron Run. These repairs will allow the removal of the current weight restriction that was instituted in the summer of 2018.

In FY 2021, work will begin on the long-term maintenance plan to repair City bridges based on the priority identified in the plan. Once the major work is completed for each bridge, the bridge will be placed in a regular maintenance interval and will be maintained based on the schedule as identified using industry standards.

This is an ongoing maintenance project and is always in the planning, design and construction phases. As bridge inspection reports are received, maintenance items are reviewed and either completed by the Maintenance Division or a bid package is issued for the repairs.

This project supports the implementation of asset management efforts that prioritize maintenance of critical infrastructure, increase the value obtained from infrastructure expenditures, and achieve a progressively higher level of service for Alexandria.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## CITY STANDARD CONSTRUCTION SPECIFICATIONS

DOCUMENT SUBSECTION: Streets & Bridges  
 MANAGING DEPARTMENT: Department of Project Implementation

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

City Standard Construction Specifications													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
TIP	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Department of Project Implementation (DPI) is developing standard City of Alexandria construction specifications to reference and include in contracts for CIP projects. Currently, the City pays consultants to develop specifications on a project by project basis. Creating standard specifications allows consultants to only have to write special provisions, reducing consultant fees. This will result in savings of tens of thousands of dollars per year and more consistency in documents. By having standard specifications, DPI can streamline and improve the procurement process while saving money over time by not having to pay contractors to develop specifications for each project. In addition to the savings, providing contractors with standard specifications documents provides greater clarity in the bidding process and will allow contractors to develop more familiarity with the City's requirements. This will likely reduce the frequency and number for change orders during the construction process.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## EAST GLEBE & ROUTE 1

DOCUMENT SUBSECTION: Streets & Bridges  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Route 1 at E. Glebe Road  
 REPORTING AREA: Potomac Yard/Potomac Greens

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

East Glebe & Route 1													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	4,600,000	4,600,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Private Capital Contributions	4,600,000	4,600,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	4,600,000	4,600,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

### PROJECT DESCRIPTION & JUSTIFICATION

The East Glebe Road & Route 1 Intersection Improvement project consists of constructing an exclusive left-turn lane, through lane, and right-turn lane in the eastbound direction. This project is needed to accommodate the increase in traffic through the existing intersection generated by the surrounding new development, including Potomac Yard and Oakville Triangle. The project will also include improved sidewalks and bike lanes, consistent with the Transportation Master Plan recommendations.

Completion of this project will allow traffic to move through the intersection in a safe and efficient manner. Annual operating funding maintains the value of the City's physical assets through the maintenance of critical traffic control infrastructure. Additionally, public safety concerns are addressed by installing new traffic signals to improve the safety at dangerous intersections.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

North Potomac Yard Small Area Plan; Route 1 / Oakville Triangle Corridor Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## EISENHOWER AVENUE ROADWAY IMPROVEMENTS

DOCUMENT SUBSECTION: Streets & Bridges

PROJECT LOCATION: Eisenhower Ave. from Mill Road to Holland Lane

MANAGING DEPARTMENT: Department of Transportation and Environmental Services

REPORTING AREA: Eisenhower East

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

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

Eisenhower Avenue Roadway Improvements													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	9,365,631	9,365,631	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	404,000	404,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	550,000	550,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	37,829	37,829	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	7,873,802	7,873,802	0	0	0	0	0	0	0	0	0	0	0
TIP	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	9,365,631	9,365,631	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

In January 2020, City Council was informed that this project required an additional \$2.2 million due to increases in the construction and construction management services cost. Funding this increase included \$1.3 million that was added to the project as part of the January 2020 Supplemental Appropriation Ordinance, and a transfer of \$0.9 million from the completed Montgomery Street Improvement Project. This brings the project total to \$11.6 million.

### PROJECT DESCRIPTION & JUSTIFICATION

This project involves the construction of an additional westbound left turn lane and sidewalk/streetscape improvements from Mill Road to Elizabeth Lane, revising the Mill Road receiving lanes to accept the dual left turns from Eisenhower Avenue, converting the traffic circle at Eisenhower and Holland to a "T" intersection, and repaving the roadway between Holland Lane and Mill Road. Due to the changing development projections and FHWA lane width determinations, the original project scope has been revised, and an interim plan will be constructed. The new project limits are from Mill Road to Holland Lane.

There have been a number of alternatives evaluated in the concept phase of the project. The original alternative was to construct the complete project from Stovall Street to Holland Lane. Due to the changing development projections and current traffic conditions, the project was scaled back to an interim improvement described above. Full build-out will be constructed by developers as the parcels along the corridor are developed.

Project redesign based on the new project limits began in early 2011. The project is in the construction procurement phase and is anticipated to go to construction in spring 2020.

Once completed, this project will better align with the City's complete street guidelines, ensuring safe and efficient travel for motorists, bicyclists, and pedestrians.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan; Eisenhower East Small Area Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## FIXED TRANSPORTATION EQUIPMENT

DOCUMENT SUBSECTION: Streets and Bridges  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Fixed Transportation Equipment													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	35,023,871	23,290,971	850,000	875,500	2,493,400	956,300	985,000	1,043,500	1,074,800	1,107,000	1,140,300	1,207,100	11,732,900
Financing Plan													
Cash Capital	10,181,877	10,181,877	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	400,000	400,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	18,915,853	7,182,953	850,000	875,500	2,493,400	956,300	985,000	1,043,500	1,074,800	1,107,000	1,140,300	1,207,100	11,732,900
Prior Capital Funding	3,701,070	3,701,070	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	537,642	537,642	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	0	0	0	0	0	0	0	0	0	0	0	0	0
TIP	1,287,429	1,287,429	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	35,023,871	23,290,971	850,000	875,500	2,493,400	956,300	985,000	1,043,500	1,074,800	1,107,000	1,140,300	1,207,100	11,732,900
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides annual funding for the upgrade, maintenance and replacement of traffic control and parking equipment, as well as the installation of new traffic signals. Of particular importance is the replacement of traffic signal poles. Traffic signal poles have a design life of 25 to 30 years. With more than 250 signalized intersections in operation, numerous traffic signal poles throughout the City are approaching the end of their design life and will require replacement.

Funding is also provided for replacement of the multi-space meters in Old Town in FY 2023 (\$1.5 million), which will have reached the end of their useful life and will need to be replaced. All funding will be used for the procurement of equipment and construction service.

Annual funding maintains the value of the City's physical assets through the maintenance of critical traffic control infrastructure. Additionally, public safety concerns are addressed by installing new traffic signals to improve the safety at dangerous intersections.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

T&ES Strategic Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## Fixed Transportation Equipment (continued)

## Fixed Transportation Equipment FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>	
Description	Amount
Reconstruct signal at St. Asaph & Montgomery	\$120,000
Reconstruct signal at Columbus & Montgomery	\$120,000
Reconstruct signal at Seminary & Jordan	\$130,000
Reconstruct signal at Quaker & Seminary/Janney's	\$150,000
Reconstruct signal at Cameron & West	\$130,000
Reconstruct signal at Van Dorn & Holmes Run Pkwy	\$120,000
Repair and upgrade of traffic signal vehicle detection	\$50,000
Repair knockdowns from accidents	\$30,000
<b>Total Fiscal Year 2021</b>	<b>\$850,000</b>

<b>Fiscal Year 2022</b>	
Description	Amount
Reconstruct signal at Stevenson & Walker	\$ 130,000
Reconstruct signal at Stevenson & Whiting	\$ 150,000
Reconstruct signal at Stevenson & BJs	\$ 140,000
Reconstruct signal at King & N Hampton	\$ 150,000
Reconstruct signal at Seminary & Pickett	\$ 135,000
New Signal (Undermined Location)	\$ 150,000
Repair knockdowns from accidents	\$ 20,500
<b>Total Fiscal Year 2022</b>	<b>\$ 875,500</b>

<b>Fiscal Year 2023</b>	
Description	Amount
New Parking Meters in Old Town	\$ 1,500,000
Reconstruct signal at Patrick & Cameron	\$ 150,000
Reconstruct signal at Henry & Cameron	\$ 150,000
Reconstruct signal at Duke & Holland/Reinekers	\$ 175,000
Reconstruct signal at West & Pendleton	\$ 135,000
Reconstruct signal at West & Braddock/Wythe	\$ 175,000
Reconstruct signal at Braddock & Beauregard	\$ 150,000
Repair knockdowns from accidents	\$ 28,400
Repair and upgrade of traffic signal vehicle detection	\$ 30,000
<b>Total Fiscal Year 2023</b>	<b>\$ 2,493,400</b>

## FOUR MILE RUN BRIDGE PROGRAM

DOCUMENT SUBSECTION: Streets & Bridges  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Four Mile Run Bridge Program													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	20,000,000	0	6,000,000	7,000,000	7,000,000	0	0	0	0	0	0	0	20,000,000
Financing Plan													
GO Bonds	20,000,000	0	6,000,000	7,000,000	7,000,000	0	0	0	0	0	0	0	20,000,000
Financing Plan Total	20,000,000	0	6,000,000	7,000,000	7,000,000	0	0	0	0	0	0	0	20,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP based on needs identified by Arlington County which owns and maintains those two bridges.

### PROJECT DESCRIPTION & JUSTIFICATION

In 2018, West Glebe Road Bridge over Four Mile Run was inspected by Arlington County. As a result of the inspection and in an abundance of caution, bridge traffic was restricted (weight restrictions, lane reductions, pedestrian movements). A joint remediation plan between Arlington County and the City of Alexandria began in 2019 and work is anticipated for completion in 2023. The City has committed to a reimbursement of one half of the cost of the rehabilitation work contingent on the execution of a multi-bridge equitable cost sharing agreement with Arlington.

There are an additional three (3) bridges over Four Mile Run (Shirlington/Arlington, Richmond Highway/Alexandria, and Potomac Avenue/Alexandria) that will require rehabilitation and/or reconstruction due deteriorating bridge conditions. The City and the County are currently in negotiations on a cost sharing agreement for each structure. Funding is set aside in FY 2021 – FY 2023 in anticipation of this cost-sharing agreement.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## KING & BEAUREGARD INTERSECTION IMPROVEMENTS

DOCUMENT SUBSECTION: Streets & Bridges

PROJECT LOCATION: King Street / North Beauregard Street / Walter Reed Drive  
Alexandria West

MANAGING DEPARTMENT: Department of Transportation and Environmental Services

REPORTING AREA: Alexandria West

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

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

King & Beauregard Intersection Improvements													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	17,902,862	17,902,862	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	58,700	58,700	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	1,831,862	1,831,862	0	0	0	0	0	0	0	0	0	0	0
Prior Capital Funding	19,600	19,600	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	15,992,700	15,992,700	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	17,902,862	17,902,862	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for traffic flow improvements at King Street and Beauregard Street. The project limits include King Street from Chesterfield Road to North Hampton Drive and on North Beauregard Street from Branch Avenue to King Street. The approved at grade improvements will add an additional left turn lane in each direction on King Street, medians, and a 10' shared use path on portions of King Street and North Beauregard Street. The improvements will increase capacity and safety through the corridor.

Engineering design and right-of-way (ROW) acquisition is completed. Utility relocation coordination continues, and a consultant is working on final bid documents (plans and specifications). The construction will be phased to facilitate the utility relocation.

Construction on Phase I is complete. The utility relocation is underway and is anticipated to be complete in spring of 2020. Phase II construction is anticipated to begin in summer 2020 with an estimated completion date of early 2022.

Once completed, this project will provide for a safer intersection, with additional transportation infrastructure for bicyclists and pedestrians. Completion of this project will also help mitigate some of the BRAC-133 impacts.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan; Approved by City Council in March 2010.

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## SEMINARY ROAD AT BEAUREGARD STREET ELLIPSE

DOCUMENT SUBSECTION: Streets & Bridges  
 MANAGING DEPARTMENT: Department of Project Implementation

PROJECT LOCATION: Seminary Rd. at Beauregard St.  
 REPORTING AREA: Seminary Hill

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

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

Seminary Road at Beauregard Street Ellipse													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	36,825,000	425,000	0	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	36,400,000
Financing Plan													
Cash Capital	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	0	0	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	36,400,000	0	0	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	36,400,000
TIP	325,000	325,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	36,825,000	425,000	0	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	36,400,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding moved from FY 2021 - FY 2023 to FY 2023 - FY 2025 to reflect current pace of development in this area.

### PROJECT DESCRIPTION & JUSTIFICATION

The intersection of Beauregard Street and Seminary Road was planned in the 2012 adopted Beauregard Small Area Plan to be eventually reconfigured in the form of an at-grade intersection, referred to as an “ellipse” due to its geometric layout. The approved ellipse would eliminate left turns from both directions along Seminary Road and redirect those movements as right turns, which would subsequently circulate around part of the ellipse to continue in the desired direction. Although the traffic circulation pattern of the ellipse would be very similar to that of a modern roundabout, through traffic movements along Seminary Road would be allowed to pass straight through the center island of the ellipse. Therefore, several traffic signals would be required around the ellipse to alternate the right-of-way among the various movements. The current design concept for the ellipse shows the approved intersection of Beauregard Street at Main Street (from Southern Towers) located at the northern end of the ellipse.

A conceptual design has been prepared for the ellipse as part of the Beauregard Small Area Plan. It was originally planned that each redevelopment site adjacent to the Ellipse would dedicate all the necessary right-of-way for the ellipse at the intersection of Seminary Road and Beauregard Street. The amount, size, and location of the right-of-way would be determined during the next phase of design. Due to delays in development activity as well as changes in proposed development use and density, the City is reevaluating the ellipse concept. A study evaluating revised traffic projections resulting from the new expected redevelopment will be initiated in late FY 2020 to guide the design of this intersection. It is anticipated that the study will recommend significant changes to the original design due to lower traffic projections and to improve pedestrian safety at this intersection.

Funding is estimated at \$36.4 million for full project design, engineering and construction. Construction was originally planned from FY 2019 - 2021, to be funded primarily with private (development) capital contributions. However, since the rate of development has slowed and the type of development has changed, the design of the ellipse has been placed on hold until the new study is complete.

The ellipse was recommended as a needed project in the Beauregard Small Area Plan to support future development in the Beauregard area. The primary benefit of the elliptical configuration is the reduction of potential vehicle conflict points due to the elimination of the left turn movements along Seminary Road.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Beauregard Small Area Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## STREET RECONSTRUCTION & RESURFACING OF MAJOR ROADS

DOCUMENT SUBSECTION: Streets & Bridges  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 11 - 15 Years

Street Reconstruction & Resurfacing of Major Roads													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	98,561,076	40,204,576	5,500,000	5,665,000	5,835,000	5,436,400	5,599,500	4,984,900	6,328,500	6,149,400	6,333,900	6,523,900	58,356,500
Financing Plan													
Cash Capital	5,995,679	5,995,679	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	55,665,434	19,140,985	4,867,949	4,165,000	3,635,000	2,936,400	3,099,500	2,484,900	3,828,500	3,649,400	3,833,900	4,023,900	36,524,449
State/Federal Grants	11,117,912	11,117,912	0	0	0	0	0	0	0	0	0	0	0
TIP	11,650,000	3,950,000	0	0	700,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	7,700,000
VDOT State Revenue Sharing	14,132,051	0	632,051	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	14,132,051
Financing Plan Total	98,561,076	40,204,576	5,500,000	5,665,000	5,835,000	5,436,400	5,599,500	4,984,900	6,328,500	6,149,400	6,333,900	6,523,900	58,356,500
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to align with state grant schedule.

### PROJECT DESCRIPTION & JUSTIFICATION

The City of Alexandria maintains and manages more than 561 lane miles of paved streets to ensure the safe and efficient movement of people, goods and services. T&ES completed a pavement condition index survey (PCI) in early 2019. Details from the survey, which is completed every three years, are used to rank and prioritize the resurfacing of City streets and produce a multi-year resurfacing plan. A list of approved resurfacing projects planned for FY 2021 - 2023 can be found on the next page. Due to the possibility of unexpected or emergency repairs, utility and/or development coordination, or if efficiencies can be achieved by staging projects together, the list is subject to change.

Beginning in FY 2015, staff consolidated the City's entire pavement management program (alley reconstruction/resurfacing and street resurfacing/reconstruction) into one CIP project. This became the City's multi-year pavement management program. Where applicable, Complete Streets and Vision Zero infrastructure will be incorporated into street resurfacing projects. Similar to previous years, staff intends to apply for additional VDOT Primary Extension grant funding.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Pavement management inventory updated in 2019

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## Street Reconstruction &amp; Resurfacing of Major Roads (continued)

## Street Reconstruction &amp; Resurfacing of Major Roads FY 2021 – FY 2023 Project List

<b>Fiscal Year 2021</b>		
Street(s)	Avg. PCI Score	Estimated Cost
Callahan Drive from King Street to Duke Street	55	\$ 70,000
North Pitt Street from Oronoco Street to King Street	29	\$ 135,000
King Street from Callahan Street Dangerfield Street	28	\$ 82,000
North and South Union Street from Pendleton Street to Franklin Street	42	\$ 320,000
North and South Fairfax Street from Jefferson Street to Third Street	48	\$ 525,000
South Walker Street from Duke Street to Stevenson Avenue	27	\$ 70,000
West Taylor Run Parkway from Janneys Lane to Duke Street	38	\$ 75,000
East Abingdon Drive from Second Street to Slaters Lane	31	\$ 350,000
Commonwealth Avenue from East Braddock Road to King Street	28	\$ 375,000
Duke Street from South Patrick Street to Strand Street	27	\$ 265,000
Hume Avenue from Commonwealth Avenue to Richmond Highway	48	\$ 130,000
North Floyd Street from Duke Street to North French Street	36	\$ 34,000
Fendall Avenue from Duke Street to South Floyd Street	25	\$ 50,000
Wellington Road from Beverley Drive to Chalfonte Drive	41	\$ 85,000
Fillmore Avenue from Seminary Road to End	22	\$ 260,000
Farm Road from Beverley Drive to Circle Terrace	38	\$ 80,000
North Gladden Street from Uline Avenue North Grayson Street	27	\$ 65,000
North Grayson Street from North Gladden Street to Uline Avenue	41	\$ 65,000
Tulsa Place from North Gordon to End	34	\$ 40,000
Uline Avenue from North Gordon Street to Taney Avenue	28	\$ 120,000
North and South West Street from Duke Street to Wythe Street	38	\$ 275,000
Skyhill Road from Janneys Lane to End	29	\$ 116,000
Dangerfield from King Street to Duke Street	28	\$ 98,000
North Morgan Street from North Chambliss Street to End	24	\$ 20,000
North and South Alfred Street from First Street to Church Street	35	\$ 300,000
Reading Avenue from North Beauregard Street to End	12	\$ 125,000
Rayburn Avenue from North Beauregard Street to Reading Avenue	9	\$ 86,000
South Iris Street from Venable Avenue to Vermont Avenue	36	\$ 28,000
Cameron Mills Road from Virginia Avenue to Allison Street	28	\$ 84,000
Marlboro Drive from West Braddock Road to End	33	\$ 69,000
Fort Ward Place from Ellicott Street	33	\$ 35,000
Ellicott Street from Marlboro Drive to End	32	\$ 100,000
Moncure Dr from S View Terr to Hilton St (Base Repairs)	48	\$ 50,000
Crown View Drive from Clover Way to Dartmouth Road	35	\$ 65,000
Jewell Court from North Chambliss Street to End	25	\$ 25,000
Anderson Court from Jewell Court to End	18	\$ 40,000
North and South Saint Asaph Street from First Street to End	46	\$ 400,000
CityWide Alley Resurfacing	<35	\$ 200,000
Additional Costs and Contingency	N/A	\$ 188,000
<b>Total Fiscal Year 2021</b>	<b>32</b>	<b>\$ 5,500,000</b>

## Street Reconstruction &amp; Resurfacing of Major Roads (continued)

## Street Reconstruction &amp; Resurfacing of Major Roads FY 2021 – FY 2023 Project List

<b>Fiscal Year 2022</b>		
Street(s)	Avg. PCI Score	Estimated Cost
Eisenhower Avenue from Mill Road to Holland Lane	30	\$ 425,000.00
West Braddock Road from King Street to Russell Road	32	\$ 625,000.00
North and South Washington Street from First Street to Church Street	42	\$ 665,000.00
North Howard Street from North Jordan Street to Raleigh Avenue	30	\$ 250,000.00
Executive Avenue from Kentucky Avenue to Mount Vernon Avenue	12	\$ 70,000.00
Kentucky Avenue from Old Dominion Boulevard to Russell Road	16	\$ 60,000.00
Alabama Avenue from Kentucky Avenue to Carolina Place	34	\$ 95,000.00
East and West Luray Avenue from West Braddock Avenue to Leslie Avenue	38	\$ 180,000.00
Beverly Drive from Valley Drive Washington Circle	25	\$ 95,000.00
Allison Street from Valley Drive to Old Dominion Boulevard	27	\$ 200,000.00
Echols Avenue from Seminary Road to North Stevens Street	29	\$ 45,000.00
Burgess Avenue Entire Length (Exclude Service Road)	29	\$ 76,000.00
Aspen Street from Landover Street to Russell Road (Exclude Service Road)	24	\$ 40,000.00
Guthrie Avenue from Landover Street to Mosby Street (Exclude Service Road)	23	\$ 30,000.00
Lomack Court Entire Length	41	\$ 43,000
Holly Street from Aspen Street to West Mt Ida Avenue	48	\$ 110,000.00
Birch Street from Holly Street to Russell Road	39	\$ 15,000.00
Pine Street from Holly Street to Russell Road	23	\$ 15,000.00
Evans Lane from Richmond Highway to East Reed Avenue	33	\$ 80,000.00
Lynhaven Drive from Wilson Avenue to End	33	\$ 36,000.00
Diagonal Road from King Street to Duke Street	15	\$ 130,000
Montrose Avenue from East Raymond Avenue to Richmond Highway	30	\$ 105,000.00
Stewart Avenue from Mount Vernon Avenue to East Randolph Avenue	18	\$ 55,000.00
Anderson Lane from West Windsor Avenue to Richards Lane	32	\$ 32,000.00
Richards Lane from Anderson Lane to West Windsor Avenue	34	\$ 18,000.00
North Garland Street from Fort Worth Avenue to End	19	\$ 70,000.00
Richenbacher Avenue from North Van Dorn Street to North Pickett Street	25	\$ 125,000.00
Lowell Avenue from North Chambliss Street to End	15	\$ 70,000.00
South Gordon Street from Duke Street to Wheeler Avenue	39	\$ 85,000.00
Venable Avenue from South Jordan Street to South Iris Street	37	\$ 33,000.00
Underwood Place from South Ingram Street to End	29	\$ 50,000.00
Cathedral Drive from Trinity Drive to End	25	\$ 50,000.00
Benning Court from North Chambliss Street to End	64	\$ 33,000.00
South Ingram Street from Duke Street to Vermont Avenue	53	\$ 60,000.00
Greenwood Place from Seminary Road to End	11	\$ 25,000.00
Knox Place Entire Length	26	\$ 20,000.00
Rutland Place from North Pickett Street to End	27	\$ 20,000.00
East and West Nelson Avenue from Russell Road to Leslie Avenue	35	\$ 205,000.00
George Mason Place from Monticello Boulevard to End	33	\$ 25,000.00
Westminster Place from Monticello Boulevard to End	34	\$ 35,000.00
Terrett Avenue from East Mt Ida to East Randolph Avenue	67	\$ 30,000.00
Usher Avenue from South Floyd Street to South Early Street	36	\$ 32,000.00
Colfax Avenue from Seminary Road to North Rosser Street	43	\$ 30,000.00
North Beauregard Street from Seminary Road to King Street	30	\$ 425,000.00
King James Place from Seminary Road to End	29	\$ 45,000.00
Dulany Street from Duke Street to End	30	\$ 75,000.00
North Early Street from West Braddock Road to End	35	\$ 77,000.00
CityWide Alley Resurfacing		\$ 250,000.00
Additional Costs and Contingency		\$ 300,000.00
<b>Total Fiscal Year 2022</b>	<b>31</b>	<b>\$ 5,665,000.00</b>

## Street Reconstruction &amp; Resurfacing of Major Roads (continued)

## Street Reconstruction &amp; Resurfacing of Major Roads FY 2021 – FY 2023 Project List

Fiscal Year 2023		
Street(s)	Avg. PCI Score	Estimated Cost
Eisenhower Ave Concrete from 1000' W of Cameron Park Place to Lake Cook Entrance	40	\$ 536,000
Gibbon St from South Payne Street to South Union Street	40	\$ 260,000
Griffith Place from Fort Williams to end	18	\$ 50,000
John Carlyle Street from Eisenhower Avenue to Duke Street	40	\$ 300,000
North Dearing Street from King Street to end	31	\$ 40,000
Sanger Avenue from South Van Dorn to end	22	\$ 200,000
Quantrell Lane from Lincolnia Road to Beauregard Street	20	\$ 75,000
Templeton Place from Fort Williams Parkway to end	17	\$ 35,000
Bennett Street from Saylor Place to End	19	\$ 60,000
Sterling Avenue from North Quaker Lane End	24	\$ 43,000
Earl Street from Oronoco Street to Princess Street	19	\$ 25,000
Tower Court from South Whiting Street End	19	\$ 20,000
Florence Drive from West Glebe Road to End	30	\$ 18,000
Four Mile Road from Mount Vernon to Florence Drive	40	\$ 70,000
West Caton Avenue from Sanford Avenue to Commonwealth Avenue	20	\$ 50,000
Reinekers Lane from Diagonal Road to Duke Street	25	\$ 35,000
Albany Avenue from King Street to End	32	\$ 19,000
Arell Court from Duke Street to End	36	\$ 40,000
Calhoun Avenue from North Rosser Street to End	21	\$ 45,000
Chelsea Court from Fort Williams to End	23	\$ 34,000
Clermont Avenue from Eisenhower Avenue to End	20	\$ 35,000
Cockrell Court from Duke Street to End	23	\$ 40,000
Coventry Lane from Gibbons to End	24	\$ 50,000
East and West Oak Street from Mount Vernon Avenue to Russell Road	23	\$ 160,000
East Uhler from Mount Avenue Commonwealth Avenue	24	\$ 30,000
Englehardt Lane from Jamieson Avenue to End	21	\$ 25,000
Farrington Avenue to South Van Dorn to the City Limits	20	\$ 55,000
Fendall Avenue from Duke Street to South Floyd Street	25	\$ 60,000
Furman Avenue from Taney Avenue to Uline Avenue	25	\$ 65,000
Garden Drive from Usher Avenue to Vermont Avenue	26	\$ 20,000
South 28th Street from King Street to End	35	\$ 30,000
North Stevenson from Fillmore to End	21	\$ 30,000
Palmer Place from Polk Avenue End	22	\$ 40,000
Pender Court from Palmar Place to End	22	\$ 20,000
Hancock Avenue from West Braddock Road to End	39	\$ 40,000
Key Drive from Francis Hammond Parkway to End	21	\$ 50,000
Jackson Place from Woodland Terrace to Tyler Place	26	\$ 50,000
Valley Drive from Preston Road to West Braddock Road	27	\$ 325,000
Lasalle avenue from North Pickett to Juliana Place	26	\$ 22,000
Longview Drive from Duke Street to End	37	\$ 55,000
Loyola Avenue from North Howard Street to Stonebridge Road	26	\$ 60,000
Mark Center Drive from Seminary Road to North Beauregard Street	20	\$ 291,000
Maris Avenue from North Van Dorn Street	39	\$ 35,000
Monticello Blvd from Cameron Mills to Russell Road	34	\$ 90,000
Moss Place from Fort Worth Avenue to End	24	\$ 48,000
Notabane Drive from Old Dominion Boulevard to Four Mile Road	26	\$ 37,000
North Quaker Lane from Duke Street to West Braddock Road	52	\$ 300,000
Pommander Walk Street from Franklin Street to South Union Street	22	\$ 30,000
North Frost Street from Lawrence Street to Seminary Road	23	\$ 50,000
Potomac Greens Drive from Slaters Lane	41	\$ 200,000
Pine Street from Russell Road to Holly Street	23	\$ 29,000
Queen Street from North West Street to North Union Street	25	\$ 90,000
Raleigh Avenue Entire Length	40	\$ 130,000
Richmarr Place from North Latham Street to End	25	\$ 30,000
Rosecrest Avenue from West Custis Avenue to Russell Road	23	\$ 35,000
South Floyd from Duke Street to Wheeler Avenue	32	\$ 35,000
Sunset Drive from King Street to Commonwealth Avenue	33	\$ 40,000
Surry Place from North Latham Street to End	24	\$ 20,000
Suter Street from Earl Street to End	39	\$ 26,000
Sweeley Street from Duke Street to Colvin Street	33	\$ 27,000
Talbot Place from North Pegram Street to Prospect Place	22	\$ 30,000
Edsall Road from South Van Dorn to Cameron Station Road	31	\$ 150,000
Jamieson Avenue from Anderson Lane to End	38	\$ 325,000
Vasser Road from Cambridge to End (Vasser Place)	19	\$ 170,000
CityWide Alley Resurfacing		\$ 200,000.00
Additional Costs and Contingency		\$ 200,000.00
<b>Total Fiscal Year 2023</b>	<b>27</b>	<b>\$ 5,835,000</b>

## VAN DORN METRO MULTIMODAL BRIDGE (w/ EISENHOWER WEST)

DOCUMENT SUBSECTION: Streets & Bridges  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Van Dorn Metro to Pickett St.  
 REPORTING AREA: Eisenhower West

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

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

Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
TIP	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides preliminary design and engineering funding for the proposed multimodal bridge from the Van Dorn Metro Station to South Pickett Street. This project was identified in the Landmark/Van Dorn Small Area Plan, and further analyzed as part of the Eisenhower West Small Area Plan and would provide improved access for motorists and transit as well as people who walk and ride bicycles from South Pickett Street to the Van Dorn Metro Station.

Funding was provided for initial design and engineering in FY 2018 and FY 2019 through the Transportation Improvement Program (TIP). Currently, the City, with consultants, completed a concept design of the bridge to estimate costs. The total estimated cost for this bridge is currently approximately at least \$151 million.

Completion of the bridge is contingent on coordination with Norfolk Southern railroad and substantial private (development) capital contributions. Additionally, substantial state or federal grants will be needed to undertake this project.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Landmark Van Dorn Corridor Plan, Eisenhower West Small Area Plan, Transportation Master Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## CITYWIDE PARKING - PARKING TECHNOLOGIES

DOCUMENT SUBSECTION: Smart Mobility  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

Citywide Parking - Parking Technologies													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,103,365	773,629	629,736	450,000	250,000	0	0	0	0	0	0	0	1,329,736
Financing Plan													
CMAQ/RSTP	623,629	623,629	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	1,479,736	150,000	629,736	450,000	250,000	0	0	0	0	0	0	0	1,329,736
Financing Plan Total	2,103,365	773,629	629,736	450,000	250,000	0	0	0	0	0	0	0	1,329,736
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

Parking and curbside management is high priority for the City. By using parking technology, the City can more efficiently manage on and off-street parking resources and help provide more information about parking options to the community and visitors. This project provides funding for an analysis of potential parking technologies for the City, development of an implementation plan, and the deployment of new parking technologies. These technologies could include real time parking occupancy systems for on-street spaces and parking garages/lots, and web-based interactive maps, dynamic signage that illustrates real-time parking availability in city-owned garages, and other parking technologies. These technologies will mostly be off-the-shelf solutions requiring minimal design and engineering.

This project is fully funded with CMAQ/RSTP funds each year from FY 2018 – 2023. In FY 2020, the City assessed solutions and developed a framework plan for implementation of parking technologies, including prioritizing specific technologies to purchase and implement. Procurement of short-term parking technology installations began in FY 2020 and will continue each year thereafter as funding is available. This program will include evaluations of new parking technologies being installed as well as research on best practices for future technology applications that will help the City better manage parking, curbside uses and traffic. Funding is available annually through FY 2023.

Depending on the readily changing types of and uses for parking and curbside management technology, additional funding may be needed to complete this project or maintain installed equipment or software, or the project’s scope may need to be narrowed.

Once implemented, these technologies will support economic development by providing more efficient parking strategies for residents, employees, and visitors and will allow the City to manage parking and traffic assets more efficiently.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

T&ES Strategic Plan; Old Town Area Parking Study; Del Ray Parking Study

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## EISENHOWER BROADBAND COMMUNICATIONS LINK

DOCUMENT SUBSECTION: Smart Mobility  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: 4600 - 5700 Eisenhower Ave  
 REPORTING AREA: Eisenhower West

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

Citywide Trans. Mgmt. Tech. - Broadband Communications Link													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	1,000,000	1,000,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
State/Federal Grants	1,000,000	1,000,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,000,000	1,000,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Eisenhower Broadband Communications Link project designs and constructs the expansion of the Smart Mobility fiber optic communications (broadband) network onto Eisenhower Avenue, between Van Dorn Street and Clermont Avenue. The traffic signals along Eisenhower Avenue operate independently and are not synchronized. There is no communications infrastructure to connect any existing or new traffic signals to the central control system. Staff is currently working with the ITS Department to coordinate this project with the City's Municipal Fiber project to reduce costs.

With the proposed development in the Eisenhower West area, a new smart infrastructure including traffic signals, is needed to manage the anticipated increase in traffic volume. This project aims to mitigate the impacts of proposed development along Eisenhower Avenue with the installation of communications conduit and fiber optic cable, surveillance cameras at key locations for real time traffic monitoring and a communications network that will connect the new and existing traffic signals to provide synchronization along this corridor.

This project will build onto the infrastructure installed with the ITS Integration project, which has already begun. It could also serve as a segment of the potential citywide broadband initiative.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

### TRAFFIC CONTROL UPGRADE

DOCUMENT SUBSECTION: Smart Mobility  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,277,700	450,000	100,000	103,000	138,200	175,200	202,800	208,800	215,000	221,400	228,200	235,100	1,827,700
Financing Plan													
Cash Capital	2,227,700	400,000	100,000	103,000	138,200	175,200	202,800	208,800	215,000	221,400	228,200	235,100	1,827,700
Private Capital Contributions	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,277,700	450,000	100,000	103,000	138,200	175,200	202,800	208,800	215,000	221,400	228,200	235,100	1,827,700
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

#### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

#### PROJECT DESCRIPTION & JUSTIFICATION

The Traffic Control Upgrade project funds ongoing capital maintenance, support and required hardware upgrades associated with implementation of the City’s Smart Mobility initiative.

The project supports necessary technology upgrades and software/system support contracts associated with the City's traffic surveillance cameras, broadband fiber optic communications network and hardware/systems in the management center. Additionally, this project provides funding for emergency repairs and replacement in cases of equipment failure of the existing traffic control system.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## INTELLIGENT TRANSPORTATION SYSTEMS (ITS) INTEGRATION

DOCUMENT SUBSECTION: Smart Mobility  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	20,317,477	15,009,804	223,123	1,000,000	400,000	600,000	3,084,550	0	0	0	0	0	5,307,673
Financing Plan													
Cash Capital	37,629	37,629	0	0	0	0	0	0	0	0	0	0	0
CMAQ/RSTP	3,084,550	0	0	0	0	0	3,084,550	0	0	0	0	0	3,084,550
State/Federal Grants	7,840,711	5,617,588	223,123	1,000,000	400,000	600,000	0	0	0	0	0	0	2,223,123
TIP	2,354,587	2,354,587	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	13,317,477	8,009,804	223,123	1,000,000	400,000	600,000	3,084,550	0	0	0	0	0	5,307,673
Additional Operating Impact	3,670,500	0	0	350,300	363,100	376,500	390,600	405,400	420,900	437,200	454,300	472,200	3,670,500

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to align with state grant schedule.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for the design and installation of upgrades to the City's Smart Mobility initiative, which keeps City streets safe and running smoothly, while also laying the groundwork for emerging technologies that will shape transportation over the next five, ten, twenty years and beyond. Completion of this project will replace much of the City's 30-year old traffic signal communications and allow public safety departments to monitor real time conditions on the City's roadway network. Staff is working with the ITS Department to determine if cost savings can be achieved by coordinating construction of this project with the Municipal Fiber project.

This project has five phases that largely focus on the design and installation of the City's fiber optic communications (broadband) network, which is the laying of cable that allows regional transportation agencies to communicate faster and more efficiently to manage traffic and respond to emergencies. The project also includes the installation of field devices such as traffic cameras, weather stations, flood monitoring equipment and pavement temperature sensors which capture data that can be used to reduce congestion and better manage the City's roadways.

The five phases are as follows:

- Phase I (Complete): Installed a broadband fiber optic communications network, 11 traffic surveillance cameras, and a traffic management center.
- Phase II (Complete): Which supplemented the first phase, expanded the broadband network and installed additional traffic surveillance cameras.
- The design for Phase III began in FY 2019 with construction scheduled to begin in FY 2021. This phase includes the installation of 10 new traffic surveillance cameras, upgrading the control center video wall, connecting 50 traffic signals to the fiber optic backbone and running fiber optic cable along parts of Van Dorn Street and the western end of Duke Street. Funding from this grant will also provide staff support for this project and coordinate with the ITS Department regarding technology aspects of this project.
- The design for Phase IV is expected to begin in FY 2021 and construction scheduled to begin in FY 2023. This phase will add 10 more traffic surveillance cameras and connect 46 traffic signals to the fiber optic backbone.
- The funding for Phase V becomes available in FY 2025 and design will begin at that time. Phase V will focus mainly on installing a fiber optic backbone to the Mount Vernon Avenue corridor and connecting approximately 20 traffic signals to the fiber optic backbone and installation of approximately 5 traffic surveillance cameras. This project may be constructed in coordination with the Municipal Fiber project to reduce costs and limit disturbance to the community.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

Full implementation of the project will likely require additional staffing at the Traffic Operations Center and funding for ongoing software support/maintenance contract.

## TRANSPORTATION TECHNOLOGIES

DOCUMENT SUBSECTION: Smart Mobility  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

Citywide Trans. Mgmt. Tech. - Transportation Technologies													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	3,418,212	1,370,312	250,000	0	265,300	0	281,500	0	298,500	309,500	316,800	326,300	2,047,900
Financing Plan													
Cash Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	115,000	115,000	0	0	0	0	0	0	0	0	0	0	0
Reprogrammed TIP Bonds	95,312	95,312	0	0	0	0	0	0	0	0	0	0	0
TIP	3,207,900	1,160,000	250,000	0	265,300	0	281,500	0	298,500	309,500	316,800	326,300	2,047,900
Financing Plan Total	3,418,212	1,370,312	250,000	0	265,300	0	281,500	0	298,500	309,500	316,800	326,300	2,047,900
Additional Operating Impact	25,500	0	0	2,500	2,600	2,700	2,700	2,800	2,900	3,000	3,100	3,200	25,500

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project funds the deployment of small-scale transportation technology projects to improve efficiency of the transportation infrastructure including parking technology, traffic signals and signs. In FY 2021 the City will continue deployment of bluetooth and traffic counting technology which provides information on the movement of people in, around and through the City and assist the City in making decisions on how to better manage traffic. Pavement sensors are also being installed with this funding to help snow removal and de-icing operations. This technology will improve the reliability and integrity of future transportation studies and informed decision making. These technologies will also contribute to the engineering improvements being implemented as part of the City's Vision Zero and Complete Streets Programs as well as parking technologies to better manage on-street and garage parking.

Prior year funding has been used to upgrade city parking meter modems from 2G to 3G to ensure continued operation and reliability as cellular providers phase out 2G service. It has also been used to install data collection, signal detection and parking technologies.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

Annual licensing agreements will increase in cost as new sensors and monitoring systems come online.

## DASH ELECTRONIC FARE PAYMENT

DOCUMENT SUBSECTION: Smart Mobility  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 16 - 20 Years

DASH Electronic Fare Payment													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,200,000	450,000	750,000	0	0	0	0	0	0	0	0	0	750,000
Financing Plan													
CMAQ/RSTP	1,200,000	450,000	750,000	0	0	0	0	0	0	0	0	0	750,000
Financing Plan Total	1,200,000	450,000	750,000	0	0	0	0	0	0	0	0	0	750,000
Additional Operating Impact	609,600	0	0	60,000	61,800	63,700	65,600	67,500	69,600	71,600	73,800	76,000	609,600

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP. The Northern Virginia Transportation Commission (NVTC) has recently made a grant available to DASH to fund portions of the scope of this project. It is anticipated that this grant will be brought forward during the Winter 2019 Supplemental Appropriation Ordinance (SAO).

### PROJECT DESCRIPTION & JUSTIFICATION

The current regional SmarTrip program is nearing the end of its useful life. DASH, along with the rest of the regional transit partners, are working towards the development of a new fare payment system. This project will allow users to pay and validate simultaneously using a bank card or mobile device for trips on multiple modes, and to add value to their accounts immediately instead of waiting 24-48 hours as they do under the current SmarTrip system. The project could include hardware/software costs associated with onboard fare validation equipment and offboard TVM's (Ticket Vending Machines) to expedite the boarding process on high-ridership transit corridors.

Until a new system is identified and implemented, the region will continue to procure hardware and software to upgrade the current SmarTrip system to extend its useful life. Improvements to the existing SmarTrip system are funded by state grants awarded through the Northern Virginia Transportation Commission (NVTC).

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

Additional annual fees in DASH's contract with the mobile app vendor to support electronic validators. DASH estimates that the annual fee will be roughly \$500-600 per bus, which would be roughly \$50,000 per year. This additional ongoing cost is not included as part of this project application.

## DASH TECHNOLOGY

DOCUMENT SUBSECTION: Smart Mobility  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 16 - 20 Years

DASH Technologies													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	855,745	0	0	0	600,000	255,745	0	0	0	0	0	0	855,745
Financing Plan													
CMAQ/RSTP	855,745	0	0	0	600,000	255,745	0	0	0	0	0	0	855,745
Financing Plan Total	855,745	0	0	0	600,000	255,745	0	0	0	0	0	0	855,745
Additional Operating Impact	383,100	0	0	0	0	50,000	51,500	53,000	54,600	56,300	58,000	59,700	383,100

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will fund DASH technology initiatives which provide more detailed and accurate information to both customers and planners. DASH has funded projects such as automated passenger counting, which greatly improves the quality of ridership reporting, and improved real-time prediction software that feeds to customers via digital bus information stop signs, DASH Tracker, WMATA’s BusETA, and a variety of third-party mobile apps.

This project will also fund transportation scheduling software which allows the transit agency to better design and schedule bus routes in a more data-driven manner.

This project is being coordinated with the City’s Smart Mobility Program and other transit and street technology enhancement projects. Funding sources include Northern Virginia Transportation Authority (NVTA) 70% project funds and an allocation of Congestion Mitigation and Air Quality Improvement (CMAQ) and Regional Surface Transportation Program (RSTP) funding.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Smart Mobility Program

#### ADDITIONAL OPERATING IMPACTS

Annual fee for licensing and support of data systems implanted by this project.

## TRAFFIC ADAPTIVE SIGNAL CONTROL

DOCUMENT SUBSECTION: Smart Mobility  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 10: Multimodal Transportation

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

Traffic Adaptive Signal Control													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	7,000,000	0	0	7,000,000	0	0	0	0	0	0	0	0	7,000,000
Financing Plan													
State/Federal Grants	14,000,000	7,000,000	0	7,000,000	0	0	0	0	0	0	0	0	7,000,000
Financing Plan Total	14,000,000	7,000,000	0	7,000,000	0	0	0	0	0	0	0	0	7,000,000
Additional Operating Impact	286,500	0	0	0	30,000	31,500	33,100	34,700	36,500	38,300	40,200	42,200	286,500

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to align with state grant schedule.

### PROJECT DESCRIPTION & JUSTIFICATION

This project will install new control software and hardware as well as traffic sensors to monitor traffic in real-time. It also funds the design and installation of traffic adaptive signal control systems. Traffic adaptive signal control is a traffic management strategy in which traffic signal timing changes, or adapts, based on actual traffic demand. It allows traffic signals to adjust to actual traffic demand and flow rather than variables that are less effective predictors of traffic patterns, such as time of day, and continuously synchronize with each other to optimize traffic flow throughout a network to better manage traffic flow on the City's roadways.

Traffic Adaptive Signal Control will begin design in FY 2022 when funding becomes available. Construction would likely begin on the two key corridors in FY 2024.

Traffic Adaptive Signal Control is a key project in the Smart Mobility program. Traffic navigation apps have rendered traditional time of day traffic signal control obsolete. Everyday navigation apps alter traffic behavior depending on regional traffic conditions. Traffic Adaptive Control will help take the City into the future. This project will utilize many of the features installed by previous Smart Mobility projects as well as seek to integrate with navigation apps and other data sources as well as incorporate artificial intelligence.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

A software support/maintenance agreement costing approximately \$30,000/year will be needed to maintain this asset.

### TRANSIT SIGNAL PRIORITY

DOCUMENT SUBSECTION: Smart Mobility  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Themes 4 & 10

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE:

Transit Signal Priority													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,255,491	1,255,491	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
NVTA 30% Funds	60,000	60,000	0	0	0	0	0	0	0	0	0	0	0
NVTA 70% Funds	1,195,491	1,195,491	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,255,491	1,255,491	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

#### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

#### PROJECT DESCRIPTION & JUSTIFICATION

This project will install Transit Signal Priority (TSP) on priority transit corridors throughout the City. Transit Signal Priority allows buses to request priority at intersections, thereby reducing wait time for passengers. This also allows transit vehicles to bypass congestion and offer more reliable services, making transit faster, easier and more appealing as a travel option. The existing bus fleet will be retrofitted with TSP equipment as the City upgrades traffic signals with TSP on corridors throughout the City, starting with Duke Street, Route 1 and King Street. New buses will be equipped with TSP technology.

An additional benefit of installing TSP infrastructure at traffic signals is that emergency vehicles can utilize this equipment to allow an emergency vehicle to request preemption at intersections. Technology is being installed on emergency vehicles to allow the vehicle to infrastructure communication necessary to capitalize on this equipment and provide faster emergency response times.

These corridor projects, which fall under the Smart Mobility Program, are funded through NVTA 70% funds through FY 2020. Starting in late FY 2020/early FY 2021, TSP will be installed on both Duke Street and King Street. This project will also enable first responders to use emergency vehicle preemption at these signals.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

# SANITARY SEWERS

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### Sanitary Sewers Ten-Year Plan Proposed FY 2021 – FY 2029 Capital, Operating and Debt Service

Sanitary Sewer Rate	FY 2020 Approved	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 21-30
Sanitary Sewer Rate (\$ per 1,000 gallons)	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	
Proposed Rate Increase	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
New Sanitary Sewer Rate	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	

Revenues	FY 2020 Approved	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 21-30
Sewer Line Maintenance Fee	11,257,547	11,341,979	11,427,043	11,512,746	11,599,092	11,686,085	11,773,731	11,862,034	11,950,999	12,040,631	12,130,936	117,325,276
Sewer Connection Fee	2,310,000	4,000,000	4,120,000	4,243,600	4,370,908	4,502,035	4,637,096	4,776,209	4,919,495	5,067,080	5,219,093	45,855,517
New Debt Issuance	0	0	0	0	0	0	0	0	0	0	0	0
Fund Balance	0	0	0	0	0	0	0	0	0	0	0	0
Use of Fund Balance	0	36,749	4,377,420	3,402,826	3,581,208		0	0	0	0	0	11,398,203
<b>Total Revenues</b>	<b>13,567,547</b>	<b>15,378,728</b>	<b>19,924,463</b>	<b>19,159,172</b>	<b>19,551,208</b>	<b>16,188,120</b>	<b>16,410,827</b>	<b>16,638,243</b>	<b>16,870,494</b>	<b>17,107,712</b>	<b>17,350,029</b>	<b>174,578,996</b>

<b>All Operating</b>	7,511,005	7,802,586	7,982,087	8,166,330	8,355,450	8,549,584	8,748,875	8,953,467	9,163,512	9,379,164	9,600,582	86,701,637
<b>All Capital Projects</b>	3,453,193	4,898,020	9,185,000	9,230,000	7,628,100	5,427,000	5,479,000	5,534,000	5,591,000	5,651,000	5,715,000	64,338,120
<b>All Debt Service</b>	2,603,349	2,678,122	2,546,696	1,762,141	2,017,935	1,695,878	1,475,223	1,429,795	1,382,849	1,569,699	1,518,867	18,077,205
<b>Total Expenditures</b>	<b>13,567,547</b>	<b>15,378,728</b>	<b>19,713,783</b>	<b>19,158,471</b>	<b>18,001,485</b>	<b>15,672,462</b>	<b>15,703,098</b>	<b>15,917,262</b>	<b>16,137,361</b>	<b>16,599,863</b>	<b>16,834,449</b>	<b>169,116,962</b>

Operating Costs	FY 2020 Approved	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 21-30
T&ES Personnel Charges (incl. Worker's Comp)	3,348,513	3,474,851	3,579,097	3,686,469	3,797,064	3,910,975	4,028,305	4,149,154	4,273,628	4,401,837	4,533,892	39,835,272
DEC Personnel Charges	47,138	48,300	49,749	51,241	52,779	54,362	55,993	57,673	59,403	61,185	63,021	553,705
Professional Services												
Additional Personnel & Consulting Services	404,490	347,270	357,688	368,419	379,471	390,855	402,581	414,659	427,098	439,911	453,109	3,981,061
Leaf Collection in CSO Areas	250,000	247,453	254,877	262,523	270,399	278,511	286,866	295,472	304,336	313,466	322,870	2,836,771
Fat, Oil, Grease (FOG Program)	200,000	200,000	206,000	212,180	218,545	225,102	231,855	238,810	245,975	253,354	260,955	2,292,776
Sanitary Sewer Capacity Study - Flow Metering, Sewer Modeling, CMOM	463,500	463,500	470,453	477,509	484,672	491,942	499,321	506,811	514,413	522,129	529,961	4,960,711
Sewer Billing	170,000	170,000	172,550	175,138	177,765	180,432	183,138	185,885	188,674	191,504	194,376	1,819,463
Infrastructure Repairs												
Sewer Jet Cleaning	260,000	260,000	263,900	267,859	271,876	275,955	280,094	284,295	288,560	292,888	297,281	2,782,708
Annual CCTV of Sewers	325,000	325,000	329,875	334,823	339,845	344,943	350,117	355,369	360,700	366,110	371,602	3,478,385
Heavy Cleaning of Sewers	315,000	315,000	319,725	324,521	329,389	334,330	339,344	344,435	349,601	354,845	360,168	3,371,357
Equipment Replacement	66,800	66,800	67,802	68,819	69,851	70,899	71,963	73,042	74,138	75,250	76,378	714,942
Corrective Maintenance	147,000	150,800	153,062	155,358	157,688	160,054	162,454	164,891	167,365	169,875	172,423	1,613,970
Other Non-Personnel (Training, Utilities, Rentals, etc.)	175,350	232,150	235,632	239,167	242,754	246,396	250,091	253,843	257,650	261,515	265,438	2,484,637
Building Maintenance												
Rodent Abatement in Sewers	90,000	90,000	91,350	92,720	94,111	95,523	96,956	98,410	99,886	101,384	102,905	963,245
Indirect Costs (Tr to G.F.)	1,248,214	1,411,462	1,430,328	1,449,584	1,469,240	1,489,307	1,509,796	1,530,718	1,552,085	1,573,909	1,596,203	15,012,633
<b>Subtotal, Operating Costs</b>	<b>7,511,005</b>	<b>7,802,586</b>	<b>7,982,087</b>	<b>8,166,330</b>	<b>8,355,450</b>	<b>8,549,584</b>	<b>8,748,875</b>	<b>8,953,467</b>	<b>9,163,512</b>	<b>9,379,164</b>	<b>9,600,582</b>	<b>86,701,637</b>

Sanitary Sewers Ten-Year Plan  
Proposed FY 2021 – FY 2029 Capital, Operating and Debt Service  
(continued)

<b>Capital Projects</b>	<b>FY 2020 Approved</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>Total FY 21-30</b>
Reconstruction and Extension of Sanitary Sewers	900,000	0	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	8,100,000
Green Infrastructure	350,000	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Asset Renewal Program	0	1,250,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	32,750,000
Combined Sewer Assessment and Rehab	0	2,805,000	3,900,000	3,900,000	0	0	0	0	0	0	0	10,605,000
AlexRenew WWTP Expansion	0	0	0	0	2,251,100	TBD	TBD	TBD	TBD	TBD	TBD	2,251,100
Capital Support of CSO Mitigation Projects	1,355,990	0	0	0	0	0	0	0	0	0	0	0
Capitalized DPI Positions	795,879	790,730	830,000	872,000	916,000	962,000	1,010,000	1,061,000	1,114,000	1,170,000	1,229,000	9,954,730
Capitalize Sustainability Coordinator	51,324	52,290	55,000	58,000	61,000	65,000	69,000	73,000	77,000	81,000	86,000	677,290
<i>Subtotal, Capital Projects</i>	<i>3,453,193</i>	<i>4,898,020</i>	<i>9,185,000</i>	<i>9,230,000</i>	<i>7,628,100</i>	<i>5,427,000</i>	<i>5,479,000</i>	<i>5,534,000</i>	<i>5,591,000</i>	<i>5,651,000</i>	<i>5,715,000</i>	<i>64,338,120</i>
<b>Debt Service</b>	<b>FY 2020 Approved</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>Total FY 21-30</b>
<i>Debt Service Payments</i>	<i>2,603,349</i>	<i>2,678,122</i>	<i>2,546,696</i>	<i>1,762,141</i>	<i>2,017,935</i>	<i>1,695,878</i>	<i>1,475,223</i>	<i>1,429,795</i>	<i>1,382,849</i>	<i>1,569,699</i>	<i>1,518,867</i>	<b>18,077,205</b>
<b>Total Expenditures, All Categories</b>	<b>13,567,547</b>	<b>15,378,728</b>	<b>19,713,783</b>	<b>19,158,471</b>	<b>18,001,485</b>	<b>15,672,462</b>	<b>15,703,098</b>	<b>15,917,262</b>	<b>16,137,361</b>	<b>16,599,863</b>	<b>16,834,449</b>	<b>169,116,962</b>

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
Sanitary Sewers												
Sanitary Sewers												
AlexRenew Wastewater Treatment Plant Capacity	0	0	0	0	2,251,100	0	0	0	0	0	0	2,251,100
Capital Support of CSO Mitigation Projects	1,355,990	0	0	0	0	0	0	0	0	0	0	0
Citywide Sewershed Infiltration & Inflow	19,861,440	0	0	0	0	0	0	0	0	0	0	0
Combined Sewer Assessment & Rehabilitation	3,700,000	2,805,000	3,900,000	3,900,000	0	0	0	0	0	0	0	10,605,000
Holmes Run Trunk Sewer	9,002,000	0	0	0	0	0	0	0	0	0	0	0
Reconstructions & Extensions of Sanitary Sewers	15,492,959	0	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	8,100,000
Sanitary Sewer Asset Renewal Program	0	1,250,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	32,750,000
Sanitary Sewers Total	49,412,389	4,055,000	8,300,000	8,300,000	6,651,100	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	53,706,100
<b>Grand Total</b>	<b>49,412,389</b>	<b>4,055,000</b>	<b>8,300,000</b>	<b>8,300,000</b>	<b>6,651,100</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>4,400,000</b>	<b>53,706,100</b>

## ALEXRENEW WASTEWATER TREATMENT PLANT CAPACITY

DOCUMENT SUBSECTION: Sanitary Sewers  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: 1500 Eisenhower Ave.  
 REPORTING AREA: Southwest Quadrant

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

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

AlexRenew Wastewater Treatment Plant Capacity													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,251,100	0	0	0	0	2,251,100	0	0	0	0	0	0	2,251,100
Financing Plan													
Sanitary Sewer Fund	2,251,100	0	0	0	0	2,251,100	0	0	0	0	0	0	2,251,100
Financing Plan Total	2,251,100	0	0	0	0	2,251,100	0	0	0	0	0	0	2,251,100
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for a feasibility study and planning level engineering to be performed jointly between the City and AlexRenew to determine whether the existing AlexRenew facility can be expanded to treat an additional 4 million gallons per day (MGD), and other options to accommodate additional flows. Additionally, the City is pursuing another potential option to expand by acquiring additional treatment capacity by purchase from Fairfax County. Fairfax County has previously indicated that this capacity may be available to purchase, and the City will continue its discussions regarding this option. Funding for this study and planning level engineering is provided in FY 2024. Results of the study will be published in a future update to the Master Plan, and the CIP will be updated based on the results of the study.

As a part of the City’s 2013 Sanitary Sewer Master Plan (Master Plan) and in anticipation of future growth, it was recommended that the City seek an additional 4 MGD of wastewater treatment capacity at Alexandria Renew Enterprises (AlexRenew). This future treatment capacity was added to the FY2014-2023 CIP. In 2017, a state legislation was passed that required the City to accelerate the mitigation of the impacts of combined sewer overflows (CSO). Following the 2017 CSO legislation, the City transferred ownership of the combined sewer outfalls to AlexRenew. AlexRenew is currently in the preliminary design phases of its RiverRenew initiative, which will include significant construction and new facilities in order to convey combined sewer flows to the AlexRenew facility for treatment. This infrastructure must be constructed and operational by July 1, 2025 in order to comply with the 2017 CSO legislation. With the construction of RiverRenew, the City and AlexRenew will need to reassess options for additional wastewater treatment. Given that it is not anticipated that the City will reach its existing treatment capacity until after Year 2040, construction of additional wastewater treatment capacity will not be needed until after 2030.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Sanitary Sewer Master Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## CAPITAL SUPPORT OF CSO MITIGATION PROJECTS

DOCUMENT SUBSECTION: Sanitary Sewers  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Capital Support of CSO Mitigation Projects													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,355,990	1,355,990	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Sanitary Sewer Fund	1,355,990	1,355,990	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,355,990	1,355,990	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

As part of legislation passed by the 2017 Virginia General Assembly, the City has been required to accelerate its efforts to address combined sewer discharges from all four outfalls in the City. The bill mandated combined sewer overflow mitigation and construction at all outfalls be completed no later than July 1, 2025.

In order to meet this very aggressive mandated schedule for completion of the project, an agreement was reached with AlexRenew on May 1, 2018 that transferred the ownership of the CSO outfalls, along with the responsibility for construction and financing of future infrastructure to meet the timeline mandated by the General Assembly, to AlexRenew. AlexRenew, also known as Alexandria Sanitation Authority, is a City created, rate payer funded, public body that owns and operates the large interceptors, pump stations and wastewater treatment facility in the City. The outfall transfer between the City and AlexRenew was finalized at the June 23, 2018 City Council Public Hearing.

AlexRenew is currently in the design phase of the project, which is currently estimated to range from \$355 million to \$555 million. The cost estimates will be refined further as the design progresses. AlexRenew will be funding the project through issuance of rate-payer funded revenue bonds, along with funding provided by the State.

Although AlexRenew has taken ownership of the CSOs and responsibility for the outfall mitigation projects outlined in the LTCPU, the City is still responsible for supporting AlexRenew's efforts to complete these mitigation projects on the schedule set by the General Assembly. This funding provides support for the CSO mitigation efforts, including coordination on development special use permits and other City permits, inspection and monitoring during the construction phase, stakeholder coordination, public meetings and City Council updates, data collection, historical records research and other associated work associated with regulatory review and oversight.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Sanitary Sewer Master Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## COMBINED SEWER ASSESSMENT & REHABILITATION

DOCUMENT SUBSECTION: Sanitary Sewers  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Old Town CSO Area  
 REPORTING AREA: Old Town

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 30+ Years

Combined Sewer Assessment & Rehabilitation													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	14,305,000	3,700,000	2,805,000	3,900,000	3,900,000	0	0	0	0	0	0	0	10,605,000
Financing Plan													
Cash Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	3,700,000	3,700,000	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fund	10,605,000	0	2,805,000	3,900,000	3,900,000	0	0	0	0	0	0	0	10,605,000
Stormwater Utility Fund	0	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	14,305,000	3,700,000	2,805,000	3,900,000	3,900,000	0	0	0	0	0	0	0	10,605,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recoded as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for the condition assessment of sewers in the combined sewer service area in Old Town and remediation of structurally deficient sewers.

The City will perform condition assessments including cleaning and televising lines, assessing information to determine condition of lines, and determining if rehabilitation is needed. Structurally deficient sewers will be identified, and the results of the field work will be evaluated to develop remediation projects which are expected to include the relining of sewers and manhole repairs. Project funding totals \$14.3 million dating back to FY 2019. Additional funding is provided in FY 2021 to include inspection of all City-owned lateral sewers, along with providing for updated rehabilitation project costs. The assessment phase of this project was initiated in FY 2019. Project funding may be adjusted following the assessment period based on the condition of the sewers and need for rehabilitation.

In addition to the health and environmental benefits of this project, completion of this project will repair and renew the City's sewer infrastructure, extend the infrastructure's useful life, and reduce the number of pipe collapses and other emergency repairs.

The City is responsible for the ownership and maintenance of the sewers located in the combined sewer service area. The combined sewer outfalls are owned by Alexandria Renew Enterprises (AlexRenew). AlexRenew is also responsible for compliance with requirements of the combined sewer system permit issued by the Department of Environmental Quality and for complying with the legislation passed by the Virginia General Assembly in 2017, which requires that combined sewer discharges be mitigated to comply with the legislation by July 1, 2025. The City continues to work with AlexRenew to ensure this deadline is met.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## HOLMES RUN TRUNK SEWER

DOCUMENT SUBSECTION: Sanitary Sewers	PROJECT LOCATION: AlexRenew Plant to the City/Fairfax Border
MANAGING DEPARTMENT: Department of Transportation and Environmental Services	REPORTING AREA: Landmark/Van Dorn
PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability	PROJECT CATEGORY: 3 ESTIMATE USEFUL LIFE: 30+ Years

Holmes Run Trunk Sewer													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	9,002,000	9,002,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Sanitary)	4,100,000	4,100,000	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fund	4,402,000	4,402,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	9,002,000	9,002,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for an increase in capacity in the Holmes Run Trunk Sewer (HRTS) line, which is owned and operated by Alexandria Renew Enterprises (AlexRenew). Both the City and Fairfax County send wastewater flows to this sewer and share in the capacity of this sewer. The City has a sanitary sewer Service Agreement with Fairfax County that provides for peak flow capacities in this sewer, as well as the other AlexRenew interceptor sewers.

Increased capacity is required to support development occurring in the Eisenhower Valley, as well as future development and redevelopment in the West End. In 2008, the western portion of the trunk sewer from I-395 to Cameron Run was lined for additional capacity. Additional follow-up engineering and analysis has determined further improvements are needed to address long term capacity issues.

Engineering analysis between the City, Fairfax County, and AlexRenew was completed in FY 2017 which evaluated capacity issues in the HRTS, and provided a recommendation to enlarge an existing parallel, Fairfax County Holmes Run Sewer so that flows from the AlexRenew HRTS could be diverted to this sewer. Enlargement of the Fairfax County Holmes Run Sewer are proposed from the City/County line to Cameron Run, where the Fairfax sewer discharges in the the AlexRenew HRTS. A subsequent study was completed in FY 2019 that confirms construction of this sewer will have sufficient capacity to serve the proposed growth as anticipated in the Eisenhower West Small Area Plan. This study also included analysis of the Fairfax County Backlick Sewers, located in the City, and concluded that no infrastructure improvements would be required. The timing of the capacity upgrades is anticipated sometime after 2027.

The FY 2019 study also identified portions of the HRTS in the East Eisenhower Valley where the City will eventually exceed its peak flow capacities as stated in the Service Agreement. Development forecasting and hydraulic modeling show that the City will not exceed its Service Agreement capacities in this section of the HRTS until after 2035. Capacity improvements in this section of the HRTS have not yet been determined.

A total of \$9.0 million from the sanitary sewer fund has been budgeted in prior fiscal years for this project. The City will coordinate with AlexRenew and Fairfax County regarding implementation of projects, along with cost sharing to resolve remaining capacity issues on the Holmes Run Trunk Sewer. Depending on the outcome of these discussions, additional funding may be required in future years for both design and construction.

Completion of this project will improve the City's sanitary sewer infrastructure, which will help mitigate any potential sanitary sewer overflows during periods of wet weather. Additionally, the project will improve the City's readiness for accommodating quality economic growth.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Sanitary Sewer Master Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## RECONSTRUCTIONS & EXTENSIONS OF SANITARY SEWERS

DOCUMENT SUBSECTION: Sanitary Sewers  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 30+ Years

Reconstructions & Extensions of Sanitary Sewers													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	23,592,959	15,492,959	0	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	8,100,000
Financing Plan													
Cash Capital	2,146,105	2,146,105	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	250,000	250,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Sanitary)	3,473,708	3,473,708	0	0	0	0	0	0	0	0	0	0	0
Prior Capital Funding	0	0	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fund	17,723,146	9,623,146	0	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	8,100,000
Financing Plan Total	23,592,959	15,492,959	0	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	8,100,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

FY 2021 funding reduced by \$900,000, as prior year balances are sufficient to meet FY 2021 project needs

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for the construction of new sewer mains, the replacement and rehabilitation of old lines as needed, repairs to City streets disturbed by sewer line repairs, and reconstruction and funds for the City's share of the cost of sewer extensions required for development.

Prior year balances, along with annual funding will be utilized to fund multiple projects in this request. No funding is needed in FY 2021 as prior year balances are sufficient to meet FY 2021 project needs. Some projects are in early planning stages, while others are currently indesign and construction. Obstacles to construction may include the moving of buried utility lines, such as power, water, and gas lines by the various utility owners that if not moved would interfere with the construction.

Projects currently under study/design and scheduled for construction in FY 2021 include:

- Beauregard Street Sanitary Sewer Repair
- Wheeler Avenue Sewer Lining
- Fillmore Street Sewer Replacement Project
- Franklin Street Sewer Replacement Project

Completion of these projects improves the City's sanitary sewer infrastructure while reducing the frequency of unplanned repairs due to deferred maintenance.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Sanitary Sewer Master Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## SANITARY SEWER ASSET RENEWAL PROGRAM

DOCUMENT SUBSECTION: Sanitary Sewers  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 2  
 ESTIMATE USEFUL LIFE: 30+ Years

Sanitary Sewer Asset Renewal Program													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	32,750,000	0	1,250,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	32,750,000
Financing Plan													
Sanitary Sewer Fund	32,750,000	0	1,250,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	32,750,000
Financing Plan Total	32,750,000	0	1,250,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	32,750,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The City’s sanitary sewer system is comprised of over 240 miles of sewers, some of them dating back over 100 years. This program provides for annual inspection, condition assessment, and rehabilitation of sanitary sewers, City-owned lateral sewers, and sewer appurtenances as part of an ongoing sewer asset management initiative.

This program provides for closed circuit television (CCTV) inspection of all sewers and City-owned laterals and visual inspection of all sewer appurtenances (manholes and other structures). Inspections will be performed with a goal of inspecting 10 percent of the system each year. The condition of all sewers and sewer appurtenances will be assessed using industry standards of cataloguing inspections and recommendations will be made as to which sewers and sewer appurtenances are vulnerable to breakage or collapse. Sewers and sewer appurtenances that are vulnerable will be rehabilitated primarily using trenchless technologies, which are significantly less costly than dig-and-replace repairs. A total of \$32.8 million is being budgeted for this program over the ten-year budget period.

Implementation of this project improves the City’s sanitary sewer infrastructure and extends the infrastructure’s useful life by reducing the potential of pipe collapse and other emergency repairs. Additionally, this project will help reduce the amount of infiltration and inflow (I&I) into the sanitary sewer system, which helps reduce the frequency and magnitude of sanitary sewer overflows and sewer back-ups into homes and businesses.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Sanitary Sewer Master Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

# STORMWATER MANAGEMENT

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Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
Stormwater Management												
Cameron Station Pond Retrofit	4,681,885	0	0	0	0	0	0	0	0	0	0	0
City Facilities Stormwater Best Management Practices (BMPs)	1,633,000	0	0	0	0	0	0	0	0	0	0	0
Four Mile Run Channel Maintenance	3,293,000	0	0	936,600	0	0	0	0	1,251,300	4,177,000	0	6,364,900
Green Infrastructure	1,850,000	206,500	210,000	0	1,549,000	0	0	0	0	0	0	1,965,500
Lucky Run Stream Restoration	2,800,000	0	0	0	0	0	0	0	0	0	0	0
MS4-TDML Compliance Water Quality Improvements	1,255,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	3,000,000	3,000,000	51,000,000
NPDES / MS4 Permit	815,000	165,000	170,000	168,400	170,000	171,700	173,500	175,200	177,000	178,700	180,500	1,730,000
Phosphorus Exchange Bank	0	0	0	0	0	0	0	0	0	0	0	0
Storm Sewer Capacity Assessment	4,713,500	498,750	508,300	0	0	7,529,100	0	588,100	10,213,900	0	0	19,338,150
Storm Sewer System Spot Improvements	7,605,221	420,000	430,500	441,400	452,500	464,000	475,800	488,000	500,500	513,400	526,700	4,712,800
Stormwater BMP Maintenance CFMP	135,000	140,000	144,200	148,600	153,000	1,201,500	1,220,100	157,700	160,900	164,100	167,400	3,657,500
Stormwater Utility Implementation	1,673,200	0	0	0	0	0	0	0	0	0	0	0
Strawberry Run Stream Restoration	800,000	0	0	0	0	0	0	0	0	0	0	0
Stream & Channel Maintenance	6,570,454	450,000	459,000	468,200	477,600	487,100	496,900	506,800	517,000	527,300	537,800	4,927,700
Taylor Run Stream Restoration	2,092,850	0	0	0	0	0	0	0	0	0	0	0
Stormwater Management Total	39,918,110	4,880,250	5,422,000	5,663,200	9,802,100	16,853,400	9,366,300	10,915,800	17,820,600	8,560,500	4,412,400	93,696,550
<b>Grand Total</b>	<b>39,918,110</b>	<b>4,880,250</b>	<b>5,422,000</b>	<b>5,663,200</b>	<b>9,802,100</b>	<b>16,853,400</b>	<b>9,366,300</b>	<b>10,915,800</b>	<b>17,820,600</b>	<b>8,560,500</b>	<b>4,412,400</b>	<b>93,696,550</b>

## Stormwater Management Utility Ten-Year Plan Proposed FY 2021 – FY 2030 Capital, Operating and Debt Service

The Stormwater Management Utility plan presented on the following pages represents the approved operating budget, debt service and capital program for FY 2020 and a preliminary estimate for FY 2022 – FY 2030. Staff will reevaluate the program and Stormwater Utility rate every year and present changes to City Council as part of each year's budget development cycle.

	FY 2020 Approved	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	
<b>Stormwater Rate</b>												
Stormwater Utility Rate per ERU	\$140.00	\$140.00	\$146.30	\$159.47	\$173.82	\$190.33	\$208.41	\$223.00	\$239.73	\$267.30	\$279.32	
Proposed Rate Increase	<b>0.0%</b>	<b>4.5%</b>	<b>9.0%</b>	<b>9.0%</b>	<b>9.5%</b>	<b>9.5%</b>	<b>7.0%</b>	<b>7.5%</b>	<b>11.5%</b>	<b>4.5%</b>	<b>1.5%</b>	
New Stormwater Utility Rate	\$140.00	\$146.30	\$159.47	\$173.82	\$190.33	\$208.41	\$223.00	\$239.73	\$267.30	\$279.32	\$283.51	

	FY 2020 Approved	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 21-30
<b>Revenues</b>												
Billing Units	60,279	60,279	60,520	60,762	61,005	61,249	61,494	61,740	61,987	62,235	62,484	
Annual Revenue Generation	8,439,060	8,818,818	9,650,961	10,561,626	11,611,240	12,765,166	13,713,362	14,800,832	16,568,939	17,383,799	17,715,135	<b>133,589,878</b>
Other Revenue Sources	21,017	21,017	21,017	21,017	21,017	21,017	21,017	21,017	21,017	21,017	21,017	<b>210,170</b>
Revenue Stream Reductions	(239,064)	(246,236)	(253,623)	(261,232)	(269,069)	(277,141)	(285,455)	(294,019)	(302,839)	(311,924)	(321,282)	<b>(2,822,819)</b>
New Debt Issuance	3,987,993	2,910,000	3,570,000	3,845,000	8,020,000	15,110,000	7,665,000	9,255,000	16,205,000	6,990,000	2,890,000	<b>76,460,000</b>
Use of Fund Balance	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
<b>Total Revenues</b>	<b>12,209,006</b>	<b>11,503,599</b>	<b>12,988,355</b>	<b>14,166,411</b>	<b>19,383,189</b>	<b>27,619,042</b>	<b>21,113,924</b>	<b>23,782,830</b>	<b>32,492,117</b>	<b>24,082,892</b>	<b>20,304,870</b>	<b>207,437,229</b>

	FY 2020 Approved	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 21-30
<b>Expenditures</b>												
<b>All Operating</b>	5,108,961	5,075,335	5,271,840	5,487,220	5,719,271	5,964,923	6,195,773	6,443,685	6,758,591	6,990,305	7,181,047	<b>61,087,990</b>
<b>All Capital Projects</b>	6,280,697	5,534,740	6,109,000	6,385,200	10,560,100	17,650,400	10,204,300	11,795,800	18,744,600	9,530,500	5,431,400	<b>101,946,040</b>
<b>All Debt Service</b>	819,348	893,523	1,313,114	1,667,773	2,501,109	3,938,908	4,646,283	5,477,725	6,946,814	7,525,665	7,671,860	<b>42,582,774</b>
<b>Total Expenditures</b>	<b>12,209,006</b>	<b>11,503,599</b>	<b>12,693,954</b>	<b>13,540,193</b>	<b>18,780,480</b>	<b>27,554,232</b>	<b>21,046,356</b>	<b>23,717,209</b>	<b>32,450,004</b>	<b>24,046,470</b>	<b>20,284,307</b>	<b>205,616,804</b>

	FY 2020 Approved	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 21-30
<b>Operating Costs</b>												
TES Personnel	3,145,624	3,345,023	3,445,374	3,548,735	3,655,197	3,764,853	3,877,798	3,994,132	4,113,956	4,237,375	4,364,496	<b>38,346,940</b>
Main Operating	587,695	453,831	467,446	481,469	495,913	510,791	526,115	541,898	558,155	574,900	592,147	<b>5,202,664</b>
BMP's Operation	263,008	262,508	270,383	278,495	286,850	295,455	304,319	313,448	322,852	332,537	342,513	<b>3,009,360</b>
Oronoco Outfall Maintenance	100,000	103,000	106,090	109,273	112,551	115,927	119,405	122,987	126,677	130,477	134,392	<b>1,180,780</b>
Additional operating impact from capital	194,480	62,525	64,000	66,000	68,000	70,000	72,000	74,000	76,000	78,000	80,000	<b>710,525</b>
Indirect Costs	778,154	811,331	887,888	971,670	1,068,234	1,174,395	1,261,629	1,361,677	1,524,342	1,599,310	1,629,792	<b>12,290,269</b>
Contingent Cash Funding	40,000	37,117	30,659	31,579	32,526	33,502	34,507	35,542	36,608	37,707	37,707	<b>347,453</b>
<i>Subtotal, Operating Costs</i>	<i>5,108,961</i>	<i>5,075,335</i>	<i>5,271,840</i>	<i>5,487,220</i>	<i>5,719,271</i>	<i>5,964,923</i>	<i>6,195,773</i>	<i>6,443,685</i>	<i>6,758,591</i>	<i>6,990,305</i>	<i>7,181,047</i>	<i>59,027,967</i>

**Stormwater Management Utility Ten-Year Plan**  
**Proposed FY 2021 – FY 2030 Capital, Operating and Debt Service**  
 (continued)

<b>Capital Projects</b>	<b>FY 2020 Approved</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>Total FY 21-30</b>
City Facilities Stormwater Best Management Practices (BMPs)	0	0	0	0	0	0	0	0	0	0	0	0
Four Mile Run Channel Maintenance	600,000	0	0	936,600	0	0	0	0	1,251,300	4,177,000	0	6,364,900
Green Infrastructure (1)	0	206,500	210,000	0	1,549,000	0	0	0	0	0	0	1,965,500
MS4-TMDL Compliance Water Quality Improvements	1,255,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	3,000,000	3,000,000	51,000,000
NPDES / MS4 Permit	160,000	165,000	170,000	168,400	170,000	171,700	173,500	175,200	177,000	178,700	180,500	1,730,000
Storm Sewer Capacity Assessment & Improvements	475,000	498,750	508,300	0	0	7,529,100	0	588,100	10,213,900	0	0	19,338,150
Storm Sewer System Spot Improvements	300,000	420,000	430,500	441,400	452,500	464,000	475,800	488,000	500,500	513,400	526,700	4,712,800
Stormwater Utility Implementation	0	0	0	0	0	0	0	0	0	0	0	0
Stream and Channel Maintenance	450,000	450,000	459,000	468,200	477,600	487,100	496,900	506,800	517,000	527,300	537,800	4,927,700
Stormwater BMP Maintenance CFMP	135,000	140,000	144,200	148,600	153,000	1,201,500	1,220,100	157,700	160,900	164,100	167,400	3,657,500
Strawberry Run Stream Restoration	550,000	0	0	0	0	0	0	0	0	0	0	0
Taylor Run Stream Restoration	1,695,000	0	0	0	0	0	0	0	0	0	0	0
DPI Personnel	609,373	602,200	632,000	664,000	697,000	732,000	769,000	807,000	847,000	889,000	933,000	7,572,200
Capitalized Sustainability Coordinator	51,324	52,290	55,000	58,000	61,000	65,000	69,000	73,000	77,000	81,000	86,000	677,290
<i>Subtotal, Capital Projects</i>	<i>6,280,697</i>	<i>5,534,740</i>	<i>6,109,000</i>	<i>6,385,200</i>	<i>10,560,100</i>	<i>17,650,400</i>	<i>10,204,300</i>	<i>11,795,800</i>	<i>18,744,600</i>	<i>9,530,500</i>	<i>5,431,400</i>	<i>101,946,040</i>
<b>Debt Service</b>	<b>FY 2020 Approved</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>Total FY 21-30</b>
<i>Total Debt Service Payments</i>	<i>\$819,348</i>	<i>\$893,523</i>	<i>\$1,313,114</i>	<i>\$1,667,773</i>	<i>\$2,501,109</i>	<i>\$3,938,908</i>	<i>\$4,646,283</i>	<i>\$5,477,725</i>	<i>\$6,946,814</i>	<i>\$7,525,665</i>	<i>\$7,671,860</i>	<i>\$42,582,774</i>
<b>Total Expenditures, All Categories</b>	<b>12,209,006</b>	<b>11,503,599</b>	<b>12,693,954</b>	<b>13,540,193</b>	<b>18,780,480</b>	<b>27,554,232</b>	<b>21,046,356</b>	<b>23,717,209</b>	<b>32,450,004</b>	<b>24,046,470</b>	<b>20,284,307</b>	<b>205,616,804</b>

## CAMERON STATION POND RETROFIT

DOCUMENT SUBSECTION: Stormwater Management

PROJECT LOCATION: Ben Brenman Park, 4800 Brenman Park Dr, Alexandria, VA 22304

MANAGING DEPARTMENT: Department of Transportation and Environmental Services

REPORTING AREA: Landmark/Van Dorn

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 3  
ESTIMATE USEFUL LIFE: 30+ Years

Cameron Station Pond Retrofit													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	4,681,885	4,681,885	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	1,750,000	1,750,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	1,050,000	1,050,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	1,750,000	1,750,000	0	0	0	0	0	0	0	0	0	0	0
Stormwater Local Assistance Gra	131,885	131,885	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	4,681,885	4,681,885	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

Virginia Department of Environmental Quality (DEQ) issued the City's current Municipal Separate Storm Sewer System (MS4) Permit on July 1, 2013 that mandates City-specific stormwater nutrient and sediment reduction targets for the Chesapeake Bay (Bay) Total Maximum Daily Load (TMDL) enforced through three 5-year permit cycles. Accordingly, the current MS4 permit requires the City to implement practices sufficient to achieve 5% of the reduction targets during the first 5-year permit (2013-2018), while successive MS4 permits will require implementation of practices to achieve an additional 35% or 40% of total reduction targets during the second 5-year permit (2018-2023) by 2023, and the remaining 60% or 100% of the total reductions on or before the end of the third 5-year permit (2023-2028) by 2028. The City's 2018 - 2023 MS4 General Permit mandating a total of 40% Bay reductions by June 30, 2023 is scheduled to be in effect on or after July 1, 2018 and remain effective through June 30, 2023.

Retrofits to existing large regional stormwater facilities will provide additional pollutant removal either by enhancing the treatment efficiency and/or increasing the amount of area draining to the facility and are one of the most cost-effective strategies to meet the identified pollution reduction requirements.

The City has been discussing these strategies to comply with the reduction targets and other options available to the City through the Water Quality Steering Committee and Water Quality Workgroup. The City also completed the Chesapeake Bay TMDL Compliance Analysis and Options report that investigated options and alternatives for treating stormwater and provided corresponding costs. The City's Phase 1 Chesapeake Bay TMDL Action Plan for achieving 5% of the reductions was submitted to DEQ on October 1, 2015 and approved by DEQ on January 12, 2016. The City's draft Bay Action Plan for achieving a total 40% of the reductions was submitted in June 2018, with the final due one year after the effective date of the 2018 - 2023 MS4 General Permit (October 31, 2019). The City's approved Bay TMDL Action Plan and the draft Phase 2 Action Plan identify the retrofit of large regional stormwater facilities as a major strategy towards meeting pollution reduction goals. Most of the structure components have been installed for the pond retrofit, including the diversion of an extra 35 acres of stormwater being treated in the pond. The next phase will include the installation of plant materials on the shore and for the aquatic bench. Substantial completion is slated for 2020.

In FY 2015, City staff pursued and received \$1.75 million in a grant from the state through the Stormwater Local Assistance Fund (SLAF) by leveraging an equivalent amount of City funding for this project. This reduced the City funded contribution to this project by half of the original budgeted amount. While the Cameron Station Pond Retrofit is a cost effective strategy to meet the City's pollution reduction requirements, this project also offers an opportunity to enhance the recreational elements of this facility, making it more of an amenity to park-goers than it is currently.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City of Alexandria Municipal Separate Storm Sewer System (MS4) General Permit, Program Plan, and Year 5 Annual Report; City's Chesapeake Bay TMDL Action Plan; T&ES Strategic Plan; Eco-City Charter; Eco-City Action Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## CITY FACILITIES STORMWATER BEST MANAGEMENT PRACTICES (BMPs)

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

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

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

City Facilities Stormwater Best Management Practices (BMPs)													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,633,000	1,633,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	125,000	125,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	1,133,000	1,133,000	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fund	375,000	375,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,633,000	1,633,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Virginia Department of Environmental Quality (DEQ) issued the City's current Municipal Separate Storm Sewer System (MS4) Permit on November 1, 2018 that mandates City-specific stormwater nutrient and sediment reduction targets for the Chesapeake Bay (Bay) Total Maximum Daily Load (TMDL) enforced through three 5-year MS4 permit cycles. Accordingly, the previous 2013-2018 permit required the City to implement practices sufficient to achieve 5% of the reduction targets during the first 5-year permit (2013-2018), while the current MS4 permit requires implementation of practices to achieve an additional 35% or 40% of the total reduction targets during the second 5-year permit (2018-2023) by 2023, and the remaining 60% or 100% of the reduction on or before the end of the third 5-year permit cycle (2023-2028) no later than 2028. The City's 2018 - 2023 MS4 General Permit mandating the total 40% Bay reductions by June 30, 2023 was effective November 1, 2018 and remains in effect through October 31, 2023. The City's Chesapeake Bay TMDL Action Plan identifies BMP retrofits on City properties as a strategy towards meeting mandated pollutant reduction goals.

One of the City's strategies to meet the identified pollution reduction requirements is retrofitting existing City properties that currently do not provide stormwater treatment with stormwater best management practices (BMPs) or to install additional stormwater BMPs for untreated areas to provide additional pollutant removal. The City has been discussing these and other options available to comply with these targets through the Water Quality Steering Committee and a Water Quality Workgroup. The City has also completed the Chesapeake Bay TMDL Compliance Analysis and Options (Analysis) report that looked into options and alternatives for treating stormwater and corresponding costs. The City's Phase 1 Chesapeake Bay TMDL Action Plan for achieving 5% reductions was approved January 2016. The City's draft Phase 2 Bay Action Plan for achieving a total 40% was submitted June 2019, with the final due October 31, 2020.

(continued on next page)

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City of Alexandria Municipal Separate Storm Sewer System (MS4) General Permit, Program Plan and Year 5 Annual Report; Chesapeake Bay TMDL Action Plan; T&ES Strategic Plan; Eco-City Charter and Action Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## City Facilities Stormwater Best Management Practices (continued)

Working closely with the General Services; Recreation, Parks and Cultural Activities; and Project Implementation departments, the following locations, among others, have been identified as potential locations for stormwater retrofits:

- T&ES/Recreation operations at 2900 Business Center Drive,
- City Fuel Island on Wheeler Avenue,
- King Street Gardens;
- ACPS Mount Vernon Elementary School and Recreation Center, and
- City Traffic Control Shop on Colvin Street.

The City is working on a Request for Qualification (RFQU) to further analyze City-owned properties to determine the best approach for retrofitting these properties with stormwater facility best management practices (BMPs). The RFQU scope includes the prioritization of at least 16 potential locations in addition to the above list and the development of conceptual design of those projects, with the option to complete the design. Once completed, these retrofits are expected to treat stormwater from a total of approximately 4-8 acres of impervious surface. These sites have been selected because of the facilities' operational stormwater impacts and their relatively high percentage of impervious acreage.

## FOUR MILE RUN CHANNEL MAINTENANCE

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

PROJECT LOCATION: Four Mile Run Stream/Channel  
 REPORTING AREA: Potomac West

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 2  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

Four Mile Run Channel Maintenance													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	9,657,900	3,293,000	0	0	936,600	0	0	0	0	1,251,300	4,177,000	0	6,364,900
Financing Plan													
Cash Capital	583,000	583,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	1,810,000	1,810,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	4,765,200	0	0	0	564,600	0	0	0	0	1,251,300	2,949,300	0	4,765,200
Stormwater Utility Fund	2,499,700	900,000	0	0	372,000	0	0	0	0	0	1,227,700	0	1,599,700
Financing Plan Total	9,657,900	3,293,000	0	0	936,600	0	0	0	0	1,251,300	4,177,000	0	6,364,900
Additional Operating Impact	949,300	0	0	0	99,400	104,400	109,600	115,100	120,800	126,900	133,200	139,900	949,300

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project reflects the City's share of the costs to maintain the federally funded stormwater flood control channel and system of flood walls and levees. The project was constructed as a federal flood control project built by the U.S Army Corps of Engineers (USACE) in the late 1970's, which by mutual agreement requires the City to provide regular upgrades to its capital infrastructure. The USACE annually inspects Four Mile Run and dictates the extent of the channel maintenance activities that are to be completed. The City has hired a consultant to perform a detailed inspection of the flood control system and to develop recommendations for corrections. Staff is working with USACE to determine exactly what improvements the City needs to do to bring the rating up to the upgraded post-Hurricane Katrina standards that the USACE now considers acceptable. The City is currently developing revised plans for USACE to review that includes maintenance repairs to the flood walls, embankments, and gabions.

To date, nearly \$3 million in City funding has been applied to the project. Funding is programmed in the near term to address maintenance items with funding in out-years of the CIP to address future capital infrastructure requirements. As Four Mile Run maintenance is a shared responsibility with Arlington County, it will be necessary for the County and the City to engage in a joint decision-making process concerning some elements of Four Mile Run maintenance activities. Staff is working on the design with Arlington County for a sediment removal project that will initiate in calendar year 2020. Levee/flood wall and appurtenant structure maintenance remains the responsibility of the jurisdiction where each levee/wall is located.

Routine inspection and maintenance of structures, updating the operations and maintenance (O&M) manual, design and removal of accumulated sediment, and continued vegetation removal from the levee, as requested by USACE, uncovered additional maintenance concerns that need to be addressed. This project involves routine inspection and maintenance, including design and removal of significant accumulated sediment and routine vegetation maintenance, is necessary to get this flood control channel back into conditions considered acceptable by the federal government. Achieving federal acceptance provides that our communities – along with Arlington – includes regular inspection and maintenance to the flood control system and ensures that the flood control project will perform as predicted and protects citizens and property from flooding, and provides eligibility for federal assistance in repairing any damage to the channels that storms may cause.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City of Alexandria Municipal Separate Storm Sewer System (MS4) General Permit, Program Plan and Year 5 Annual Report; Chesapeake Bay TMDL Action Plan; T&ES Strategic Plan; Eco-City Charter and Action Plan

#### ADDITIONAL OPERATING IMPACTS

Additional staffing or contractor support will be need for regular inspection and maintenance of assets.

## GREEN INFRASTRUCTURE

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

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

Green Infrastructure													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	3,815,500	1,850,000	206,500	210,000	0	1,549,000	0	0	0	0	0	0	1,965,500
Financing Plan													
GO Bonds (Stormwater)	1,284,900	1,195,000	0	0	0	89,900	0	0	0	0	0	0	89,900
Sanitary Sewer Fund	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fund	2,180,600	305,000	206,500	210,000	0	1,459,100	0	0	0	0	0	0	1,875,600
Financing Plan Total	3,815,500	1,850,000	206,500	210,000	0	1,549,000	0	0	0	0	0	0	1,965,500
Additional Operating Impact	26,000	0	0	0	2,000	2,000	2,000	4,000	4,000	4,000	4,000	4,000	26,000

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project receives funding from the stormwater utility special revenue funds for study, design, and construction of green infrastructure projects. This project is consistent with the objectives of the citywide approach to implement Green Infrastructure for the combined sewer system (CSS) and the separate storm sewer area, to address water pollution reduction goals. Projects completed will implement green infrastructure in the City to help address regulatory requirements in conjunction with the co-benefits provided by the implementation of these practices.

Completion of these projects will provide the following benefits: increase stormwater infiltration, reduce stormwater runoff, provide stormwater treatment (nutrients and sediment), and decrease the volume of discharges; along with providing co-benefits including creating habitat, reducing heat island effect, and enhancing air quality.

Prior year funding will be used for the design and construction of green infrastructure demonstration project(s) in the combined sewer area, with additional projects to be identified through work related to the City's Chesapeake Bay TMDL Action Plan as part of the City-wide approach to the implementation of Green Infrastructure. A Green Infrastructure Program Policy Study commenced in FY 2019 that laid out a citywide approach to implementation. Funding for projects identified through these efforts will be used for future years and supplemented, as needed, through the MS4-TMDL Compliance project. Construction of the current green infrastructure demonstration project is scheduled for completion in FY 2021/FY2022. Consistent with the City's planning documents that include green infrastructure as a strategy, funding has been added to the FY2021 - FY 2030 budget to continue with the implementation of green infrastructure.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

T&ES Strategic Plan 2012-2015; City of Alexandria Municipal Separate Storm Sewer System (MS4) General Permit, Program Plan, and PY5 Annual Report; Eco-City Charter City's Combined Sewer System Permit; City's Chesapeake Bay TMDL Action Plan; Old Town North Small Area Plan; Eisenhower West Small Area Plan; Landmark Van Dorn Small Area Plan

#### ADDITIONAL OPERATING IMPACTS

Annual inspection, minor routine maintenance, and major maintenance will be required to ensure continued proper functioning of the asset.

## LUCKY RUN STREAM RESTORATION

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

PROJECT LOCATION: 2601 Gadsby Place  
 REPORTING AREA: Beauregard

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 21-25

Lucky Run Stream Restoration													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,800,000	2,800,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	1,935,000	1,935,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	668,720	668,720	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fund	196,280	196,280	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,800,000	2,800,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

Urban Stream Restoration is one of the major strategies in the City's Chesapeake Bay Total Maximum Daily Load (TMDL) Action Plan to reduce pollution and address the Bay TMDL mandates enforced through the City's Municipal Separate Storm Sewer System (MS4) permit. The project also allows restoration of ecological habitats, removal of invasive plants, replanting with native plants, and wetland enhancements as co-benefits. Additionally, the project will address an exposed portion of the sanitary sewer located along the existing stream bank by burying the sanitary sewer and relocating that portion of the stream away from the sewer. This project is highlighted in the Phase 2 Chesapeake Bay TMDL Action Plan as a specific strategy to meet the City's compliance goals.

To comply with the plan targets, the City has completed a preliminary stream assessment to obtain information on conditions to guide in protecting and restoring local streams. During these assessments, Lucky Run was identified as being in poor condition that make it a prime candidate for a stream restoration project. The Chesapeake Bay TMDL Compliance Analysis and Options report (2012) reviewed options and alternatives for treating stormwater and provided corresponding costs. While the Lucky Run Stream Restoration project is a cost-effective strategy to meet the City's pollution reduction requirements, this project also offers an opportunity to enhance the ecological integrity of the stream, the Resource Protection Area (RPA), and address the exposed sanitary sewer. Also, the City will perform rehabilitative maintenance of the Lucky Run Pond under the agreement stating that the City is required to perform maintenance for this regional facility to ensure proper functioning and the ability to continue claiming pollutant removal credits for the Pond as noted in the Phase 1 Bay TMDL Action Plan.

The City has also been awarded a \$668,720 grant from the state through the Stormwater Local Assistance Fund (SLAF) by leveraging an equivalent amount of funding from the Stream and Channel Maintenance project to fully fund this project. This reduced the City contribution by half of the original estimated amount for the stream restoration portion of the project. Design is completed and construction procurement will occur in FY2021, with an anticipated completion Fall 2020 / Winter 2021.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City of Alexandria Municipal Separate Storm Sewer System (MS4) General Permit, Program Plan, and Year 5 Annual Report; City's Chesapeake Bay TMDL Action Plan; T&ES Strategic Plan; Eco-City Charter; Eco-City Action Plan; Green Infrastructure Program

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## MS4-TMDL COMPLIANCE WATER QUALITY IMPRV.

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

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 30+ Years

MS4-TDML Compliance Water Quality Improvements													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	52,255,000	1,255,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	3,000,000	3,000,000	51,000,000
Financing Plan													
GO Bonds (Stormwater)	45,703,500	1,155,000	2,040,000	2,611,000	2,370,800	7,000,000	7,000,000	6,692,300	8,260,200	3,748,700	3,000,000	1,825,500	44,548,500
Stormwater Utility Fund	6,551,500	100,000	960,000	889,000	1,129,200	0	0	307,700	739,800	1,251,300	0	1,174,500	6,451,500
Financing Plan Total	52,255,000	1,255,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	3,000,000	3,000,000	51,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added to project for FY 2030.

### PROJECT DESCRIPTION & JUSTIFICATION

The Virginia Department of Environmental Quality (DEQ) issued the City's current Municipal Separate Storm Sewer System (MS4) Permit on July 1, 2013 that mandates City-specific stormwater nutrient and sediment reduction targets for the Chesapeake Bay Total Maximum Daily Load (TMDL) enforced through three 5-year MS4 permit cycles. Accordingly, the permit requires the City to implement stormwater treatment best management practices (BMPs) sufficient to achieve 5% of the reduction targets during the first 5-year permit (2013-2018), while successive MS4 permits will require implementation of practices to achieve an additional 35% or 40% of total reduction targets during the second 5-year permit (2018-2023) by 2023, and the remaining 60% or 100% of the reductions on or before the end of the third permit cycle (2023-2028), no later than by 2028.

The City continues planning efforts and identifying options to comply with these targets and discusses these through the City's Water Quality Workgroup, and through meetings with other internal and external stakeholders. Additionally, the City completed the Chesapeake Bay TMDL Compliance Analysis and Options report (August 2014) that considered options and alternatives for treating stormwater to meet the Bay TMDL regulatory mandates, along with the corresponding costs to implement these alternatives. These formed the basis of the strategies included in the City's Phase 1 Chesapeake Bay TMDL Action Plan and form the basis of the strategies in the draft Phase 2 Chesapeake Bay Action Plan that was submitted June 1, 2018, with the final Action Plan due no later than October 31, 2019, one year from the effective date of the 2018 - 2023 MS4 General Permit. This budget is based on funding that can be used to implement a diverse mix of strategies to achieve the required reductions in the next ten years. In addition to retrofit of regional facilities, implementation of Green Infrastructure as stormwater quality retrofits of City facilities and right-of-way retrofits, along with urban stream restoration, are the top strategies that will be implemented to meet the required reductions. Funding is used as specific projects are identified and developed to achieve these reductions.

The budgetary estimates were developed with engineers from the firms conducting the Chesapeake Bay TMDL Compliance Analysis and Options study. Please note that these MS4-TMDL Compliance Water Quality Improvement projects such as retrofit of regional ponds, along with the inclusion of City Facilities BMP projects, Green Infrastructure projects, and stream restorations projects will likely satisfy the second permit cycle (2018 - 2023 permit) and exceed the Strategic Plan goal of 45% reductions by 2022; towards more aggressive reductions to meet 100% reductions as mandated. For FY 2021 and beyond, estimates are based on staff planning and will be revised as the 2023 - 2028 MS4 permit requirements and other regulatory expectations become clearer through the implementation of the state's Phase III Watershed Implementation Plan (WIP III), and uncertainty decreases.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City of Alexandria Municipal Separate Storm Sewer System (MS4) Permit, Program Plan, and Year 5 Annual Report; City's Chesapeake Bay TMDL Action Plan; T&ES Strategic Plan; Eco-City Charter; Eco-City Action Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## NPDES / MS4 PERMIT

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

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: Varies

NPDES / MS4 Permit													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,545,000	815,000	165,000	170,000	168,400	170,000	171,700	173,500	175,200	177,000	178,700	180,500	1,730,000
Financing Plan													
Cash Capital	250,000	250,000	0	0	0	0	0	0	0	0	0	0	0
Prior Capital Funding	0	0	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fund	2,295,000	565,000	165,000	170,000	168,400	170,000	171,700	173,500	175,200	177,000	178,700	180,500	1,730,000
Financing Plan Total	2,545,000	815,000	165,000	170,000	168,400	170,000	171,700	173,500	175,200	177,000	178,700	180,500	1,730,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for the data collection, inspection and enforcement, public education and outreach, public involvement and citizen participation, GIS mapping, development of water quality action plans, BMP database management, and reporting activities associated with implementation of the programs required by the National Pollution Discharge Elimination System (NPDES) permit regulations administered by the Virginia Department of Environmental Quality (DEQ) through the Virginia Stormwater Management Program (VSMP) General Virginia Pollutant Discharge Elimination System (VPDES) Permit for Discharges of Storm Water from Small Municipal Separate Storm Sewer Systems (MS4) per 9VAC25-890 et. seq.

The MS4 general permit has a duration of 5-year cycles that requires the City to develop, implement and enforce an MS4 Program Plan to reduce discharges of pollutants from the MS4, protect water quality, and satisfy the appropriate requirements of the Clean Water Act.

The City was originally issued General Permit VAR040057 on July 8, 2003, and the most recent permit was issued on November 1, 2018 and is effective through October 31, 2023. Each successive permit contains increased regulatory requirements which necessitate more resources. The current 2018 - 2023 MS4 general permit is no exception, with requirements for public education and outreach, staff training, revisions to Total Maximum Daily Load (TMDL) plans, implementation of Stormwater Pollution Prevention Plans (SWPPPs), enhanced inspections, and additional reporting. The permits continue to contain increasingly stringent mandates to address the Chesapeake Bay TMDL.

The City developed and submitted on April 1, 2018 the required MS4 permit registration statement as an application for coverage under the 2018 - 2023 MS4 general permit, which included a Phase 2 Chesapeake Bay Total Maximum Daily Load (TMDL) Action Plan that contains strategies to achieve an additional 35% of reductions in nutrients and sediment by 2023. The general permit also requires the City to update the MS4 Program Plan and perform new programmatic compliance, with MS4 annual reports covering compliance activities and other permit reporting requirements carried out for each fiscal year that are due by October 1st. Planned capital projects to meet the Bay TMDL reductions are budgeted as separate, specific projects under the "Stormwater Management" section of the CIP.

Finally, new broad requirements under the Virginia Watershed Implementation Plan Phase III (WIP III) are likely to be translated into additional compliance activities.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City of Alexandria Municipal Separate Storm Sewer System (MS4) Permit; MS4 Program Plan; MS4 Annual Report; City's Chesapeake Bay TMDL Action Plan; T&ES Strategic Plan; Eco-City Charter; Eco-City Action Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## PHOSPHORUS EXCHANGE BANK

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

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: 30+ Years

Phosphorus Exchange Bank													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	0	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

Virginia Stormwater Management Program (VSMP) regulations, as incorporated into Article XIII of the City’s Environmental Management Ordinance (EMO), require properties that undergo development or redevelopment to reduce the amount of phosphorous in stormwater runoff that leaves the site in the post-construction condition. The amount of phosphorous that must be reduced is based upon several factors such as disturbed area, increases in impervious area, land cover types, etc. Owners of development sites may use applicable “offsite compliance options” to meet these requirements pursuant to 62.1-44.15:35 of the Code of Virginia and the attendant VSMP regulations per 9VAC25-870-69 A. The City can ‘exchange’ phosphorous reductions between projects occurring on city-owned properties under the current VSMP regulations.

Small-scale City-funded construction projects and City projects with unfavorable site conditions face difficulties in meeting stormwater management requirements on-site through the installation of stormwater quality structural best management practices (BMPs) due to lack of space and/or cost of construction that make installation infeasible. As such, these projects regularly use offsite compliance options to meet their regulatory phosphorous reduction requirements. Most often, this requirement is met by purchasing nutrient credits from the state’s Nutrient Credit Exchange for practices implemented outside the City within the Potomac River basin. In effect, these purchases send funds outside of the City and provide no benefit to local water quality.

The Transportation and Environmental Services, Stormwater Management Division (T&ES-SWM) created this policy alternative for City projects that allows offsite compliance options that provide benefits to local water quality and keep funds within the City. The policy was developed with input across city agencies, revised given that input, shared and approved by the Virginia Department of Environmental Quality, and executed via signature by the director of Transportation and Environmental Services. This project was initially seeded with \$100,000 to supplement the installation of BMPs that go beyond stormwater quality requirements that may be used on other projects. The project seeding also includes five (5) pounds of phosphorous that may be purchased by other City departments for small capital projects where installation of BMPs are not feasible.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City of Alexandria Municipal Separate Storm Sewer System (MS4) Permit, Program Plan and Year 5 Annual Report; City’s Chesapeake Bay TMDL Action Plan; T&ES Strategic Plan; Eco-City Charter; Eco-City Action Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## STORM SEWER CAPACITY ASSESSMENT

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

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 11 - 15 Years

Storm Sewer Capacity Assessment													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	24,051,650	4,713,500	498,750	508,300	0	0	7,529,100	0	588,100	10,213,900	0	0	19,338,150
Financing Plan													
Cash Capital	949,492	949,492	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	17,415,900	0	0	69,500	0	0	7,158,900	0	0	10,187,500	0	0	17,415,900
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fund	5,686,259	3,764,009	498,750	438,800	0	0	370,200	0	588,100	26,400	0	0	1,922,250
Financing Plan Total	24,051,650	4,713,500	498,750	508,300	0	0	7,529,100	0	588,100	10,213,900	0	0	19,338,150
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recoded as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for a multi-year citywide storm sewer analysis and flow modeling to determine the stormwater system’s capacity and to develop recommendations for improvements to the existing storm sewer system. This project provides the resources for a thorough understanding of the City’s storm sewer system and will assist in anticipating problems in performance and capacity, allowing for the implementation of proactive solutions in protecting citizens and property from stormwater flooding from capacity issues. The increasing frequency of intense storm events will require increasing funding of capacity projects to provide for climate resiliency and adaption measures consistent with the City’s Climate Emergency Declaration.

The project includes flow modeling, field verification of invert elevations and manhole locations, and condition assessments of pipes 24 inches in diameter or greater. This study is budgeted as a response to several large magnitude storms in 2003 and 2006 that caused flooding in low-lying areas of the City.

The analysis and assessment will look at reducing flooding in problem areas by employing a variety of technologies including "Green Infrastructure" such as: rain gardens, infiltration swales, planter boxes, tree canopy and infiltration wells, pervious pavement, gutters, and sidewalks, street/alley retrofits into "green streets," rain barrels and cisterns, green roofs, etc. Recommendations also included improvements to the City storm sewer system. These future projects will be funded through the Storm Sewer System Spot Improvements or Green Infrastructure projects as funding becomes available.

The project collected field data, updated the City’s GIS storm sewer layers, built computer models, and performed condition assessments on storm sewer manholes and pipes for Hooff’s Run, Holmes Run, Taylor Run, Backlick Run, Cameron Run, Strawberry Run and Four Mile Run watersheds. In addition, identification of problem areas and prioritizing on the basis of the findings has been completed. Final deliverables were received February 2016. Funding planned in FY 2021 will provide for updated analysis, additional data collection, flow modeling, and updated mapping associated with those priority areas that were identified in the initial study and analysis. Areas identified in the initial study prioritization will receive more rigorous analyses and updated prioritization, to include comparison against receipt of notifications through the City’s Alex311 system, staff observations, and other means of reporting, to target capacity issues that have manifested reportable issues. The prioritization will include cost estimates for these potential capital flooding projects in the near term and includes funding in mid-term and long-term to implement at least one each of the large capacity projects. Previous cost estimates were roughly \$3-5M (construction only) for implementation of just one of the prioritized projects from the previous study. The additional detailed analysis will be used to prioritize the projects and provide more accurate and detailed cost estimates for full feasibility, design, escalation of costs, and contingencies to implement the prioritized projects. Current cost estimates in this project have been developed that include these items; however, these funding levels will be refined following the upcoming analysis.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eco-City Charter; Strategic Plan, MS4 General Permit

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## STORM SEWER SYSTEM SPOT IMPROVEMENTS

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

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Storm Sewer System Spot Improvements													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	12,318,021	7,605,221	420,000	430,500	441,400	452,500	464,000	475,800	488,000	500,500	513,400	526,700	4,712,800
Financing Plan													
Cash Capital	2,876,648	2,876,648	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	9,126,446	4,413,646	420,000	430,500	441,400	452,500	464,000	475,800	488,000	500,500	513,400	526,700	4,712,800
Prior Capital Funding	0	0	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	9,927	9,927	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fund	305,000	305,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	12,318,021	7,605,221	420,000	430,500	441,400	452,500	464,000	475,800	488,000	500,500	513,400	526,700	4,712,800
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for essential capital infrastructure improvements on the City’s storm sewer system. These projects are identified as reconstruction projects due to deterioration or the need for additional capacity upgrades to reduce localized flooding. Completion of these projects will improve the City’s storm sewer capital infrastructure while mitigating the impacts of flooding. Regular capital infrastructure improvements can reduce the number of pipe collapses while reducing emergency repair costs caused by deferred maintenance. FY 2021 planning efforts include a wider identification and formal prioritization of projects for consideration of funding under this capital program. This more formal effort includes maintaining and updating the ranking and prioritization for those identified projects, with implementation pending identification of mitigation measures, development of cost estimates, and funding. The increasing frequency of intense storm events will require increasing funding for mitigation of local flooding for spot improvement projects to provide for climate resiliency and adaptation measures consistent with the City’s Climate Emergency Declaration.

The City identifies flooding and drainage projects through resident complaints, analyses, and field observations. The City completed the following Spot projects in FY 2020: N. Ashton Emergency Repair, W. Alexandria Alley Drainage, Angel Park Repair, Founders Park Improvements, and Saylor Place Improvements. The City is creating a proactive, methodical approach to prioritizing these types of projects, and will update the below list of projects as others are identified and options considered.

Current and future projects include, but are not limited to:

- DASH Bus Facility Flood Mitigation
- Key Drive Unnamed Tributary channel wall
- Lloyd’s Lane
- Loyola Street
- Oakland Terrace, Timber Branch channel wall
- N. Columbus Street Alley

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Storm Sewer Capacity Analysis final report (February 2016); Northern Virginia Hazard Mitigation Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## STORMWATER BMP MAINTENANCE CFMP

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

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: 30+ Years

Stormwater BMP Maintenance CFMP													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	3,792,500	135,000	140,000	144,200	148,600	153,000	1,201,500	1,220,100	157,700	160,900	164,100	167,400	3,657,500
Financing Plan													
Stormwater Utility Fund	3,792,500	135,000	140,000	144,200	148,600	153,000	1,201,500	1,220,100	157,700	160,900	164,100	167,400	3,657,500
Financing Plan Total	3,792,500	135,000	140,000	144,200	148,600	153,000	1,201,500	1,220,100	157,700	160,900	164,100	167,400	3,657,500
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

The Virginia Department of Environmental Quality (DEQ) issued the City's current Municipal Separate Storm Sewer System (MS4) Permit on November 1, 2018 that mandates City-specific stormwater nutrient and sediment reduction targets for the Chesapeake Bay Total Maximum Daily Load (TMDL) enforced through three 5-year MS4 permit cycles. Accordingly, the previous 2013-2018 permit required the City to implement stormwater treatment best management practices (BMPs) sufficient to achieve 5% of the reduction targets during first 5-year permit (2013-2018), while the current MS4 permit requires implementation of practices to achieve an additional 35% or 40% of total reduction targets during the second 5-year permit (2018-2023) by 2023, and the remaining 60% or 100% of the reductions on or before the end of the third permit cycle (2023-2028), no later than 2028. Identification of strategies to meet these reductions, which includes the retrofit of large regional ponds, urban stream restoration, and installation of green infrastructure, are included in the City's Chesapeake Bay Total Maximum Daily Load (TMDL) Action Plan.

Long-term maintenance of this new infrastructure must be performed to ensure proper functioning and reduce pollution in stormwater runoff to meet the state and federal mandates. This project funds maintenance of Stormwater Best Management Practices (BMPs) implemented throughout the City, with a focus on the maintenance of larger stormwater management capital projects implemented under the Bay TMDL Action Plan:

- Cameron Station Pond Retrofit
- City Facilities Stormwater BMPs
- Green Infrastructure
- Lake Cook Stormwater Management
- Lucky Run Stream Restoration
- MS4-TMDL Water Quality Compliance projects
- Strawberry Run Stream Restoration
- Taylor Run Stream Restoration

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Bay TMDL Action Plan, MS4 General Permit, Strategic Plan, Environmental Action Plan, Water Quality Management Supplement

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## STORMWATER UTILITY IMPLEMENTATION

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

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 3  
 ESTIMATE USEFUL LIFE: N/A

Stormwater Utility Implementation													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,673,200	1,673,200	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	1,518,200	1,518,200	0	0	0	0	0	0	0	0	0	0	0
Prior Capital Funding	0	0	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fund	155,000	155,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,673,200	1,673,200	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The City Council directed staff in February 2016 to develop the framework of a Stormwater Utility (SWU) to provide a dedicated funding source to more equitably distribute the increasing costs of recent state and federal Chesapeake Bay water pollution reduction mandates that require the implementation of costly infrastructure associated with stormwater management, as enforced through the City’s Municipal Separate Storm Sewer System (MS4) general permit. Increasing operating and capital costs associated with the mandates exceeded the ½ cent dedication, demanding increasing contributions from the General Fund. Creation of the SWU more equitably apportions the cost obligation and provides a dedicated funding source for the City’s Stormwater Management Program by shifting the burden to those properties that contribute more to stormwater runoff, thus alleviating pressure on the General Fund to support these funding responsibilities.

Following extensive public outreach, the City Council adopted the Stormwater Utility framework at its May 4, 2017 special meeting as part of the FY 2018 Budget. The City began implementing the Stormwater Utility Fee, effective January 1, 2018, with first billing sent May 2018 and second billing in October 2018, with the Real Estate bill, and every May and October thereafter with each Real Estate bill, to fund these mandated stormwater improvements and the stormwater management program in an adequate, sustainable and equitable manner.

The Stormwater Utility Phase 1 Credit Manual for Non-Residential Properties was adopted in October 2017. The Comprehensive Credit Manual, combining Phase 1 and Phase 2 for Residential Properties, was developed and adopted in FY 2019. The toolbox of GIS models used to generate billing data was expanded in FY 2020 to streamline the billing process. In FY 2021 database management, additional systems development (database modeling, integration and user interfaces), ongoing GIS data management, and other identified needs will continue to successfully implement the utility. Extensive and robust public engagement is also key to implementation of the utility.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City of Alexandria Municipal Separate Storm Sewer System (MS4) Permit; MS4 Program Plan; MS4 Year 5 Annual Report; City’s Chesapeake Bay TMDL Action Plan; T&ES Strategic Plan; Eco-City Charter; Eco-City Action Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## STRAWBERRY RUN STREAM RESTORATION

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

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

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

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

Strawberry Run Stream Restoration													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	800,000	800,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	625,000	625,000	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fund	125,000	125,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	800,000	800,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Virginia Department of Environmental Quality (DEQ) issued the City's current Municipal Separate Storm Sewer System (MS4) Permit on July 1, 2013 that mandates City-specific stormwater nutrient and sediment reduction targets for the Chesapeake Bay Total Maximum Daily Load (TMDL) enforced through three 5-year MS4 permit cycles. Accordingly, the permit requires the City to implement stormwater treatment best management practices (BMPs) sufficient to achieve 5% of the reduction targets during the first 5-year permit (2013-2018), while successive MS4 permits will require implementation of practices to achieve an additional 35% or 40% of total reduction targets during the second 5-year permit (2018-2023) by 2023, and the remaining 60% or 100% of the reductions on or before the end of the third permit cycle (2023-2028), no later than by 2028.

As part of the effort to meet the goals of the Chesapeake Bay TMDL and to further reduce pollutant discharges into the MS4, the City has proposed the Strawberry Run Stream Restoration project to City Council. The project team consists of staff from T&ES, RPCA, DPI and a consultant working together on the design phase that is currently underway with projected completion of design by Spring/Summer 2020. Construction is anticipated to be completed by Winter 2021.

The project involves stream restoration for approximately 900 linear feet of stream north of Duke Street and continuing north to the culvert under Fort Williams Parkway. It is bounded by residential development along Taft Avenue, residential development along Featherstone Place, and Fort Williams Parkway. When the Taft Avenue development was constructed, stream restoration was completed for a 500-foot section of Strawberry Run just to the north of Duke Street. This project will restore the reach above this previously restored section and extend to the culvert under Fort Williams Parkway.

A stream restoration project to stabilize the stream banks and provide overall improvement to the stream's function is a stormwater treatment strategy that protects local water quality and mitigates the transport of pollutants to the Chesapeake Bay. The project will mitigate channel and bank erosion, preventing sediment and phosphorous associated with that erosion from being delivered downstream from an actively incising urban stream.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

MS4 General Permit, Chesapeake Bay TMDL Action Plan, Strategic Plan, Environmental Action Plan, Water Quality Management Supplement

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## STREAM & CHANNEL MAINTENANCE

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

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

PROJECT CATEGORY: 1  
 ESTIMATE USEFUL LIFE: Varies

Stream & Channel Maintenance													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	11,498,154	6,570,454	450,000	459,000	468,200	477,600	487,100	496,900	506,800	517,000	527,300	537,800	4,927,700
Financing Plan													
Cash Capital	3,802,125	3,802,125	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	1,487,602	1,487,602	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	4,927,700	0	450,000	459,000	468,200	477,600	487,100	496,900	506,800	517,000	527,300	537,800	4,927,700
Private Capital Contributions	230,000	230,000	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fund	1,050,727	1,050,727	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	11,498,154	6,570,454	450,000	459,000	468,200	477,600	487,100	496,900	506,800	517,000	527,300	537,800	4,927,700
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect application of cost escalation to out years of project.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for annual capital infrastructure improvements to various streams and channels throughout the City to preserve their capacity to carry a 100-year floodwater and for repairs to erosion damage, stream corridor degradation, grade control structures, storm sewer discharge points, conducting sediment removal, vegetation maintenance, and stream stabilization/restoration in Holmes Run and Cameron Run watersheds, to include smaller tributaries to these streams. The increasing frequency of intense storm events will require increasing funding for sediment and vegetation removal to ensure the conveyance capacity of these waterways as climate resiliency and adaption measures consistent with the City's Climate Emergency Declaration.

The Phase III Stream Restoration and Outfall Rehabilitation Feasibility Study was finalized in FY 2019. The Study considered five stream segments for potential restoration projects and five outfalls for potential rehabilitation. The purpose of the Study was to help the City to develop overall strategies to deal with degraded streams and assist in prioritizing the projects. The Study prioritized two potential stream restoration projects, with the top two potential projects identified along Strawberry Run and Taylor Run. Partial funding for those projects included funding from this project and from the MS4 TMDL Water Quality Improvement CIP project.

Project funds will be utilized to mitigate damages caused by heavy storm events, provide water quality benefits, and mitigate flooding. Project costs may be funded directly or may form the basis of funding for new needs broken out into separate projects, such as Lucky Run Stream Restoration. A request for new projects for Strawberry Run Stream Restoration and Taylor Run Stream Restoration was been included and approved in the FY 2020-FY 2029 CIP with a portion of prior year funding leveraged from this project to create the two new projects in the CIP. Outfall projects include Dora Kelly Nature Center and Foxchase, which are still being considered and will likely be funded directly from this project. Sediment removal and vegetation maintenance was conducted on Cameron Run in FY 2018. Vegetation maintenance for Holmes Run is scheduled to occur in FY 2021.

The urban nature of the City and the areas of Fairfax County whose stormwater drains into the City puts stress on the vitality of natural streams throughout the City. This has caused erosion, loss of natural habitat, impacted riparian areas, infrastructure damage, and flooding issues in these streams. Designing and implementing restoration for these streams will provide the additional capacity needed to handle the added stormwater runoff from urbanization, allowing for the return of natural habitat and enhancing the health of these important resources in our City. Restoration of these resources can also provide the added benefit of creating nutrient and sediment pollution reductions and help the City address Chesapeake Bay Total Maximum Daily Load (TMDL) mandates.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

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

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## TAYLOR RUN STREAM RESTORATION

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

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

PRIMARY STRATEGIC THEME: Theme 8: Environmental Sustainability

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

Taylor Run Stream Restoration													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,092,850	2,092,850	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	1,867,850	1,867,850	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fund	125,000	125,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,092,850	2,092,850	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Virginia Department of Environmental Quality (DEQ) issued the City's current Municipal Separate Storm Sewer System (MS4) Permit on July 1, 2013 that mandates City-specific stormwater nutrient and sediment reduction targets for the Chesapeake Bay Total Maximum Daily Load (TMDL) enforced through three 5-year MS4 permit cycles. Accordingly, the permit requires the City to implement stormwater treatment best management practices (BMPs) sufficient to achieve 5% of the reduction targets during the first 5-year permit (2013-2018), while successive MS4 permits will require implementation of practices to achieve an additional 35% or 40% of total reduction targets during the second 5-year permit (2018-2023) by 2023, and the remaining 60% or 100% of the reductions on or before the end of the third permit cycle (2023-2028), no later than 2028.

As part of the effort to meet the goals of the Chesapeake Bay TMDL and to further reduce pollutant discharges into the MS4, the City has proposed the Taylor Run Stream Restoration project to City Council. Staff began public outreach prior to the application for the SLAF grant and continues to reach out to the public. The project team consists of staff from T&ES, RPCA, DPI and a consultant working together on the design phase that is currently underway with projected completion of design by spring/summer 2020. Construction is anticipated to begin by spring 2021.

The project along Taylor Run is mainly located in Chinguapin Park, west of King Street in the City. This project will restore a severely degraded section of the stream from below the culvert near the Chinguapin Recreation Center to approximately 1900 feet downstream.

A stream restoration project to stabilize the stream banks and provide overall improvement to the stream's function is a stormwater treatment strategy that protects local water quality and mitigates the transport of pollutants to the Chesapeake Bay. The project will mitigate channel and bank erosion, preventing sediment and phosphorous associated with that erosion from being delivered downstream from an actively incising urban stream.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

MS4 General Permit, Chesapeake Bay TMDL Action Plan, Strategic Plan, Environmental Action Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

# OTHER REGIONAL CONTRIBUTIONS

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Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	<b>FY 2020 and Before</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>FY 2021 - FY 2030</b>
Other Regional Contributions												
Northern Virginia Community College (NVCC)	5,035,734	362,363	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	440,000	4,172,363
Northern Virginia Regional Park Authority (NVRPA)	7,537,568	425,404	470,000	475,000	480,000	484,000	489,000	494,000	499,000	504,000	509,000	4,829,404
Other Regional Contributions Total	12,573,302	787,767	877,000	886,000	895,000	903,000	912,000	921,000	931,000	940,000	949,000	9,001,767
<b>Grand Total</b>	<b>12,573,302</b>	<b>787,767</b>	<b>877,000</b>	<b>886,000</b>	<b>895,000</b>	<b>903,000</b>	<b>912,000</b>	<b>921,000</b>	<b>931,000</b>	<b>940,000</b>	<b>949,000</b>	<b>9,001,767</b>

## NORTHERN VIRGINIA COMMUNITY COLLEGE (NVCC)

DOCUMENT SUBSECTION: Regional Contributions

PROJECT LOCATION: 3001 N. Beauregard St,  
(Alexandria Campus)

MANAGING DEPARTMENT: Office of Management & Budget

REPORTING AREA: Regional

SUPPORTING DEPARTMENT(S): N/A

PROJECT CATEGORY: 1

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts,  
Culture & Recreation

ESTIMATE USEFUL LIFE: Varies

Northern Virginia Community College (NVCC)													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	9,208,097	5,035,734	362,363	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	440,000	4,172,363
Financing Plan													
Cash Capital	8,677,900	4,505,537	362,363	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	440,000	4,172,363
GO Bond Interest Earnings	132,343	132,343	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	76,054	76,054	0	0	0	0	0	0	0	0	0	0	0
Prior Capital Funding	321,800	321,800	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	9,208,097	5,035,734	362,363	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	440,000	4,172,363
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated, per most recent funding request from Northern Virginia Community College.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for the City's capital contribution to the Northern Virginia Community College, a two-year college serving Northern Virginia. In FY 2021, the City's share of the regional subsidy to NVCC is \$362,363, or 6.4% percent of the total local capital request of \$5.7 million. Each jurisdiction's share is determined by a formula based on the population of each of the nine participating jurisdictions. A breakdown of funding by jurisdiction is included on the next page (Table B). For FY 2021, the CIP continues the requested rate of growth in the City's contribution at \$2.25 per capita instead of increasing to \$2.50. An increase in FY 2022 is included for planning purposes only. The table on the next page shows the impact this has on the City capital contribution (Table A). Currently, there are nine local jurisdictions that pay a portion of NVCC's operating and capital costs, including Arlington, Fairfax, Loudoun, and Prince William Counties; and the Cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park. The college's six campuses are located in Annandale, Alexandria, Loudoun County, Manassas, Woodbridge, and Springfield.

(Continued on next page)

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

An additional operating impact is not anticipated at this time.

## Northern Virginia Community College (Continued)

**Table A: Alexandria Contribution**

	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<i>Population Estimate</i>	161,050	162,661	164,287	165,930	167,589
<i>Population Growth Rate</i>		1.00%	1.00%	1.00%	1.00%
<i>Per Capital Rate</i>	\$ 2.25	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50
<b>Capital Outlay Request</b>	<b>362,363</b>	<b>407,000</b>	<b>411,000</b>	<b>415,000</b>	<b>419,000</b>
	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>
<i>Population Estimate</i>	169,265	170,958	172,667	174,394	176,138
<i>Population Growth Rate</i>	1.00%	1.00%	1.00%	1.00%	1.00%
<i>Per Capital Rate</i>	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50
<b>Capital Outlay Request</b>	<b>423,000</b>	<b>427,000</b>	<b>432,000</b>	<b>436,000</b>	<b>440,000</b>

## Notes

FY 2021 population figures are from Weldon Cooper Center for Public Service Demographics Research Group (revised January 28, 2019).

Rate per Capital is estimated for FY 2020 and beyond.

**Table B: Regional Jurisdiction Contributions**

<b>Jurisdiction</b>	<b>Population</b>	<b>Rate per Capita</b>	<b>Capital Contribution</b>
City of Alexandria	161,050	\$2.25	\$ 362,363
Arlington County	241,031	\$2.25	\$ 542,320
Fairfax City	24,552	\$2.25	\$ 55,242
Fairfax County	1,145,978	\$2.25	\$ 2,578,450
Falls Church City	14,460	\$2.25	\$ 32,535
Loudoun County	406,355	\$2.25	\$ 914,299
Manassas City	42,053	\$2.25	\$ 94,619
Manassas Park City	16,528	\$2.25	\$ 37,188
Prince William County	463,046	\$2.25	\$ 1,041,853
<b>Total</b>	<b>2,515,053</b>		<b>\$ 5,658,869</b>

## NORTHERN VIRGINIA REGIONAL PARK AUTHORITY (NVRPA)

DOCUMENT SUBSECTION: Regional Contributions

PROJECT LOCATION: 121 N. Fairfax St. (Carlyle House) & 4001 Eisenhower Ave. (Cameron Run Regional Park)

MANAGING DEPARTMENT: Office of Management & Budget  
 SUPPORTING DEPARTMENT(S): Recreation, Parks & Cultural Activities

REPORTING AREA: Regional  
 PROJECT CATEGORY: 1

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation

ESTIMATE USEFUL LIFE: Varies

Northern Virginia Regional Park Authority (NVRPA)													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	12,366,973	7,537,568	425,405	470,000	475,000	480,000	484,000	489,000	494,000	499,000	504,000	509,000	4,829,405
Financing Plan													
Cash Capital	9,979,319	5,149,914	425,405	470,000	475,000	480,000	484,000	489,000	494,000	499,000	504,000	509,000	4,829,405
GO Bond Interest Earnings	752,455	752,455	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	1,635,199	1,635,199	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	12,366,973	7,537,568	425,405	470,000	475,000	480,000	484,000	489,000	494,000	499,000	504,000	509,000	4,829,405
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding plan updated to reflect most recent funding request from Northern Virginia Regional Park Authority.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for the City's capital contribution to the Northern Virginia Regional Park Authority (NVRPA), a multi-jurisdictional agency established to provide a system of regional parks in Northern Virginia. Of the FY 2021 NVRPA capital budget total, the City's share is \$425,405. For FY 2021, the NVRPA Board decided to increase the per capita rate to \$2.65 for the capital budget. Table A on the next page provides additional information regarding the contributions of each jurisdiction. In 1969, the City became a member of the Northern Virginia Regional Park Authority. The Authority operates 21 regional parks comprised of more than 10,000 acres and a variety of recreational facilities and historical sites, including, in Alexandria, the Carlyle House and Cameron Run Regional Park. The City, along with the Cities of Fairfax and Falls Church, and the Counties of Arlington, Fairfax and Loudoun, pay a share of the costs of the park program.

Based on City Council action in December 2017, the City and NVRPA have begun the process to re-plan (as a long term partnership with NVRPA) Cameron Run Regional Park to meet the City's goal of year-round usage and an increased level of park and recreation facilities offered to the public at Cameron Run.

(Continued on next page)

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

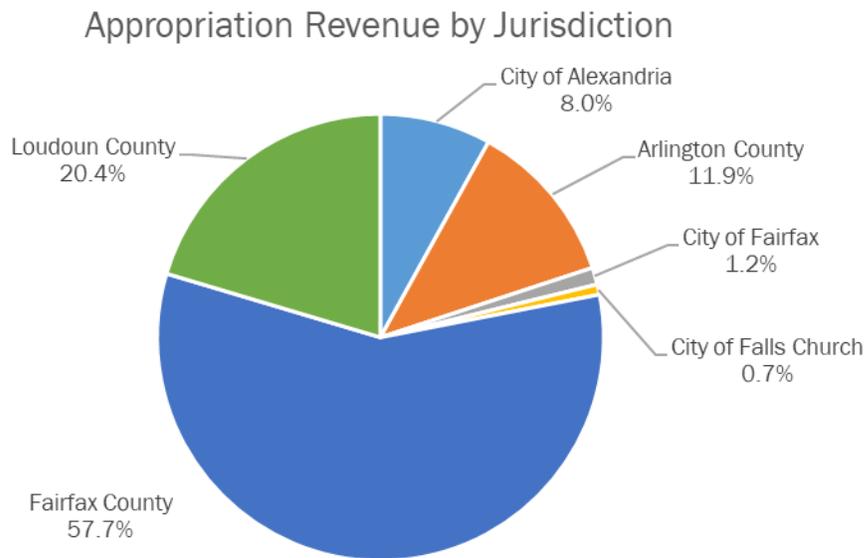
N/A

### ADDITIONAL OPERATING IMPACTS

Operating support of \$313,034 is included as part of the FY 2021 budget. Operating support has been provided on an annual basis for a number of years included as part of the base budget and not as an additional impact.

Northern Virginia Regional Parks Authority (Continued)

**Chart A: Regional Jurisdiction Contributions**



**Table B: Regional Jurisdiction Contribution**

	2021 Estimated Population	Per Capita Cost	Percent of Total Population	FY 2019 Capital Request
City of Alexandria	160,530	\$2.65	8.05%	\$ 425,405
Arlington County	237,521	\$2.65	11.91%	\$ 629,431
City of Fairfax	24,574	\$2.65	1.23%	\$ 65,121
City of Falls Church	14,772	\$2.65	0.74%	\$ 39,146
Fairfax County	1,150,795	\$2.65	57.68%	\$ 3,049,607
Loudoun County	406,850	\$2.65	20.39%	\$ 1,078,153
TOTAL	1,995,042			\$ 5,286,861

Notes

1. The FY 2021 population estimate is based on the U.S. Census "Annual Estimates of the Resident Population for Counties of Virginia" as of July 2018, with a release date of May 2019.
2. The Northern Virginia Community College (NVCC) and NVRPA use different population estimates to allocate contributions.

# IT PLAN

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Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
Document Management												
Document Imaging	2,434,375	50,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140,000
Document Management Total	2,434,375	50,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140,000
Financial Systems												
Business Tax System/Reciprocity Contractor System	1,424,595	0	0	0	0	0	0	0	305,000	0	0	305,000
Employee Pension Administration System	350,000	0	0	0	0	0	0	0	0	0	0	0
Enterprise Resource Planning System	4,395,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Personal Property Tax System	850,000	1,597,139	144,900	152,200	159,800	167,800	176,200	185,000	194,200	203,900	214,100	3,195,239
Phone, Web, Portable Device Payment Portals	350,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Real Estate Account Receivable System	1,810,000	0	0	0	0	0	0	0	0	0	200,000	200,000
Real Estate Assessment System (CAMA)	340,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
Financial Systems Total	9,519,595	1,677,139	224,900	232,200	239,800	247,800	216,200	225,000	539,200	243,900	454,100	4,300,239
Geographic Information Systems												
GIS Development	2,494,500	30,000	70,000	30,000	70,000	30,000	85,000	40,000	70,000	30,000	70,000	525,000
Geographic Information Systems Total	2,494,500	30,000	70,000	30,000	70,000	30,000	85,000	40,000	70,000	30,000	70,000	525,000
Network Services												
Connectivity Initiatives	11,823,270	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	400,000	400,000	6,300,000
Database Infrastructure	818,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Camera System	215,000	0	0	0	0	0	0	0	0	0	0	0
Enterprise Collaboration	650,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Enterprise Data Storage Infrastructure	3,580,435	350,000	400,000	350,000	350,000	350,000	0	0	0	0	0	1,800,000
Enterprise Service Catalog	220,000	160,000	40,000	40,000	40,000	40,000	0	0	0	0	0	320,000
Information Technology Equipment Replacement	2,952,740	900,000	750,000	750,000	900,000	900,000	900,000	900,000	700,000	700,000	700,000	8,100,000
Information Technology Lump Sum Funding	0	0	1,687,000	1,200,000	3,200,000	3,200,000	3,200,000	3,200,000	3,400,000	3,400,000	3,400,000	25,887,000
IT Enterprise Management System	510,000	0	0	0	0	0	0	0	0	0	0	0
LAN Development	459,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
LAN/WAN Infrastructure	5,693,000	2,481,140	1,302,700	809,400	316,500	323,900	1,567,700	740,900	740,800	740,800	740,800	9,764,640
Municipal Fiber	12,410,000	2,000,000	140,000	147,000	154,000	162,000	170,000	179,000	188,000	197,000	207,000	3,544,000
Network Security	3,565,000	300,000	350,000	500,000	605,000	400,000	400,000	800,000	350,000	350,000	350,000	4,405,000
Network Server Infrastructure	8,011,143	410,000	300,000	300,000	300,000	0	0	0	0	0	0	1,310,000
Remote Access	833,000	165,000	170,000	175,000	0	0	0	0	0	0	0	510,000
Time & Attendance System Upgrade	70,000	80,000	0	0	40,000	0	0	0	0	55,000	0	175,000
Upgrade Work Station Operating Systems	3,313,950	150,000	150,000	300,000	200,000	300,000	0	0	0	0	0	1,100,000
Voice Over Internet Protocol (VoIP)	5,322,173	270,000	155,000	120,000	80,000	60,000	0	0	0	0	0	685,000
Network Services Total	60,446,710	7,950,140	6,157,700	5,435,400	6,960,500	6,544,900	7,002,700	6,624,900	6,183,800	5,867,800	5,822,800	64,550,640

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>Other System Development Projects</b>												
Animal Shelter Server Replacement	130,000	0	0	0	0	0	0	0	0	0	0	0
Application Portfolio Management	100,000	0	0	0	0	0	0	0	0	0	0	0
Council Chamber Technology Upgrade	350,000	0	0	440,000	0	0	66,000	0	0	0	0	506,000
Enterprise Maintenance Mgmt System	730,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Fleet Management System	0	140,000	0	0	0	0	0	0	0	0	0	140,000
FOIA System Replacement	70,000	15,000	0	0	0	0	0	0	0	0	0	15,000
General Services Facilities Management System	0	0	TBD	TBD	0	0	0	0	0	0	0	0
HIPAA & Related Health Information Technologies	628,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Impound Lot System Replacement	0	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Library Public Access Computers and Print Mgmt System	45,000	0	0	85,000	0	0	0	0	0	0	0	85,000
Library Scanning Equipment and DAMS	0	60,400	0	0	0	0	0	0	0	0	0	60,400
Library Self-Service Stations/Equipment	160,000	0	0	0	0	152,000	0	0	0	0	0	152,000
Migration of Integrated Library System to SAAS Platform	69,000	0	0	0	0	0	0	0	0	0	0	0
Office of Voter Registrations and Elections Equipment Replacement	100,000	0	0	0	0	0	0	0	0	1,000,000	0	1,000,000
OHA Point-of-Sale System Replacement	0	0	0	0	150,000	0	0	0	0	0	0	150,000
OHA Records Management System Replacement	100,000	0	0	0	0	0	0	0	0	0	0	0
Permit Processing	4,717,167	300,000	100,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	100,000	1,700,000
Project Management Software	185,000	0	0	0	0	0	0	0	0	0	0	0
Recreation Database System	110,000	200,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	480,000
Small Systems Replacements	0	0	0	0	0	0	0	250,000	250,000	250,000	250,000	1,000,000
<b>Other System Development Projects Total</b>	<b>7,494,167</b>	<b>830,400</b>	<b>515,000</b>	<b>700,000</b>	<b>325,000</b>	<b>327,000</b>	<b>201,000</b>	<b>635,000</b>	<b>635,000</b>	<b>1,385,000</b>	<b>385,000</b>	<b>5,938,400</b>
<b>Public Access Development</b>												
Customer Relationship Management System	1,725,000	0	0	0	0	0	0	0	0	0	0	0
Electronic Government/Web Page	1,618,196	60,000	160,000	50,000	250,000	50,000	50,000	50,000	50,000	0	0	720,000
<b>Public Access Development Total</b>	<b>3,343,196</b>	<b>60,000</b>	<b>160,000</b>	<b>50,000</b>	<b>250,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>720,000</b>
<b>Public Safety Systems</b>												
AJIS System	3,512,893	6,593,120	3,368,000	1,838,000	268,000	268,000	268,000	268,000	268,000	268,000	268,000	13,675,120
Computer Aided Dispatch (CAD) System Replacement	16,375,500	300,000	0	0	0	6,700,000	0	0	0	0	0	7,000,000
Courtroom Trial Presentation Technology	307,500	100,000	0	100,000	0	0	100,000	100,000	25,000	0	0	425,000
Electronic Citations Implementation	420,000	0	0	0	0	0	0	0	0	0	0	0
Emergency 911 Phone System Upgrade	1,700,000	0	0	0	0	0	0	0	0	0	0	0
EMS Records Management System	240,000	0	0	0	0	0	0	0	0	0	0	0
Fire Dept RMS	0	50,000	307,500	0	0	0	0	0	0	0	0	357,500
Parking Citation System Replacement	0	530,000	0	0	0	0	0	0	0	0	0	530,000
Radio System Upgrade	3,340,960	0	3,158,000	3,020,000	2,900,000	0	0	0	0	2,000,000	0	11,078,000
<b>Public Safety Systems Total</b>	<b>25,896,853</b>	<b>7,573,120</b>	<b>6,833,500</b>	<b>4,958,000</b>	<b>3,168,000</b>	<b>6,968,000</b>	<b>368,000</b>	<b>368,000</b>	<b>293,000</b>	<b>2,268,000</b>	<b>268,000</b>	<b>33,065,620</b>
<b>Grand Total</b>	<b>111,629,395</b>	<b>18,170,799</b>	<b>13,971,100</b>	<b>11,415,600</b>	<b>11,023,300</b>	<b>14,177,700</b>	<b>7,932,900</b>	<b>7,952,900</b>	<b>7,781,000</b>	<b>9,804,700</b>	<b>7,009,900</b>	<b>109,239,899</b>

## DOCUMENT IMAGING

DOCUMENT SUBSECTION: Document Management  
 MANAGING DEPARTMENT: Information Technology Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Document Imaging													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,574,375	2,434,375	50,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140,000
Financing Plan													
Cash Capital	2,197,375	2,057,375	50,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140,000
GO Bond Interest Earnings	337,000	337,000	0	0	0	0	0	0	0	0	0	0	0
Prior Year CIP/Close-Out	40,000	40,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,574,375	2,434,375	50,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides a content management solution to digitally capture content to make it more readily available for searching and indexing. The retrieval of electronic records supports delivery of government services in a more efficient manner. Document imaging reduces physical storage. Technical investments will adhere to best practices and fit within the City's overall technology architecture.

Funds are used to support continual improvements and new development to document imaging technologies that support the City's core business applications. This project provides funding for hardware, software, licensing, upgrades, and professional services related to document imaging initiatives. The introduction of new enterprise applications has increased departmental interest in document imaging software and interfaces to line-of-business applications (APEX permitting system).

In FY 2019, the City migrated to an enterprise licensing model, which keeps the system viable and supports the product lifecycle. The upgrade affords better capabilities to integrate with the City's new Permitting system.

In FY 2021, ITS will research tools to improve workflow processes around digital signatures.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

**BUSINESS TAX SYSTEM**

DOCUMENT SUBSECTION: Financial Systems  
 MANAGING DEPARTMENT: Department of Finance

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

**Business Tax System/Reciprocity Contractor System**

	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	1,729,595	1,424,595	0	0	0	0	0	0	0	305,000	0	0	305,000
Financing Plan													
Cash Capital	1,429,615	1,124,615	0	0	0	0	0	0	0	305,000	0	0	305,000
GO Bonds	299,980	299,980	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,729,595	1,424,595	0	0	0	0	0	0	0	305,000	0	0	305,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

**CHANGES FROM PRIOR YEAR CIP**

Funding added for outyear system upgrade or replacement.

**PROJECT DESCRIPTION & JUSTIFICATION**

In calendar years 2010 and 2011, the Finance Department implemented a new business tax system. The system integrates the accounts receivable processes and business licenses, business personal property taxes, and other business-related taxes. In FY 2019, funding was used to perform a necessary system upgrade.

City stakeholders have worked on this project in FY 2020 to implement new initiatives such as an online business tax portal. The final portion of the business tax portal was completed to include online filing and payments. This provided taxpayers a modern, online business tax payment experience, including online filing and payment features.

**EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION**

N/A

**ADDITIONAL OPERATING IMPACTS**

No additional operating impacts identified at this time.

## EMPLOYEE PENSION ADMINISTRATION SYSTEM

DOCUMENT SUBSECTION: Financial Systems  
 MANAGING DEPARTMENT: Department of Finance

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Employee Pension Administration System													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Pension Admin. Fees	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funds to acquire and implement an Employee Pension Administration System to support the City's responsibilities for retirement plan administration. Currently, the City uses an outside contractor to provide all plan administration services for the Supplemental Retirement Plan. Jurisdictions larger than the City typically perform this function internally while those smaller than Alexandria outsource the function to contractors. Staff is studying whether bringing plan administration services in-house would provide cost or performance efficiencies. If the City ultimately decides to manage this in-house, a software system will be required. This project supports the Finance Department's strategic plans for long-term financial stability of the City.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## ENTERPRISE RESOURCE PLANNING SYSTEM

DOCUMENT SUBSECTION: Financial Systems  
 MANAGING DEPARTMENT: Department of Finance

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Enterprise Resource Planning System													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	4,595,000	4,395,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Financing Plan													
Cash Capital	1,695,000	1,495,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
GO Bonds	2,900,000	2,900,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	4,595,000	4,395,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding reduced by \$40,000 per year for FY 2026 – FY 2029.

### PROJECT DESCRIPTION & JUSTIFICATION

In 2013-2014 the City implemented an Enterprise Resource Planning (ERP) software suite to improve the automation and support for a range of administrative and management applications. City staff have completed the implementation of the following modules: General Ledger, Accounts Payable, Purchasing, Budgeting, core Human Resources modules, Fixed Assets, and Payroll. Funds were used in FY 2019 to implement Bids and Contracts and Vendor Self-Service as well as to procure Cashiering and Accounts Receivables modules. Project funds will be used to complete several ancillary functions for this system, procure additional modules and implement application interfaces as applicable. Additional funding requests will occur in the out years to sustain and expand this system as needed as well as prepare for the system replacement.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## PERSONAL PROPERTY (VEHICLE/CAR) TAX SYSTEM

DOCUMENT SUBSECTION: Financial Systems  
 MANAGING DEPARTMENT: Department of Finance

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Personal Property Tax System													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	4,045,239	850,000	1,597,139	144,900	152,200	159,800	167,800	176,200	185,000	194,200	203,900	214,100	3,195,239
Financing Plan Cash Capital	4,045,239	850,000	1,597,139	144,900	152,200	159,800	167,800	176,200	185,000	194,200	203,900	214,100	3,195,239
Financing Plan Total	4,045,239	850,000	1,597,139	144,900	152,200	159,800	167,800	176,200	185,000	194,200	203,900	214,100	3,195,239
Additional Operating Impact	1,270,000	0	0	115,000	121,000	127,000	134,000	140,000	147,000	154,000	162,000	170,000	1,270,000

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The personal property tax system accounts for the assessment and tax payment processing for all vehicles parked, stored, or garaged in the City; the processing of appeals for personal property assessments; maintenance of vehicle tax records; and the certification of qualified vehicles for personal property tax relief.

In the 1990s, ITS staff developed the City’s current personal property tax system as a stand-alone software application for the administration of all vehicle taxes. Since then, ITS and Finance staff have reprogrammed and modified it over the years, as necessary. Nearing its fourth decade of service, the personal property tax system needs to be retired.

During FY 2019, staff explored a few viable solutions to replace the current system. These product reviews provided insights into the current practices and processes available in more modern systems. This analysis continued into FY 2020, to determine the most ideal timeline, costs, and methodology for making a decision regarding the path forward.

Funding will be used to begin implementing a modern, commercial-off-the-shelf personal property tax system. The scope of work will include installation, configuration, data conversion, training, and implementation of the new system.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

Implementation of project will likely require additional staff support for database administration; Personal Property processing have considerably more volume than the other modules that are part of this enterprise system.

**PORTABLE DEVICE (PHONE, WEB) REPORTING/PAYMENT PORTALS**

DOCUMENT SUBSECTION: Financial Systems  
 MANAGING DEPARTMENT: Department of Finance

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

**Phone, Web, Portable Device Payment Portals**

	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	600,000	350,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Financing Plan													
Cash Capital	371,000	121,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
GO Bonds	175,000	175,000	0	0	0	0	0	0	0	0	0	0	0
Prior Year CIP/Close-Out	54,000	54,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	600,000	350,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

**CHANGES FROM PRIOR YEAR CIP**

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

**PROJECT DESCRIPTION & JUSTIFICATION**

This project provides funding to implement improvements to the City’s online payment and account maintenance portal, including providing compatibility with mobile devices such as smart phones and tablets. In FY 2016, the City implemented the ability for taxpayers to make personal property (car tax) payments online. In FY 2017, the City implemented online real estate tax payments. In FY 2019 and 2020, the City enabled taxpayers to create and maintain online accounts that they may access with a user name and password. This allowed taxpayers to view their billing and payment history, schedule payments, and receive electronic notifications.

**EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION**

Finance Department Work Plan

**ADDITIONAL OPERATING IMPACTS**

No additional operating impacts identified at this time.

## REAL ESTATE ACCOUNTS RECEIVABLE SYSTEM

DOCUMENT SUBSECTION: Financial Systems  
 MANAGING DEPARTMENT: Department of Finance

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Real Estate Account Receivable System													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,010,000	1,810,000	0	0	0	0	0	0	0	0	0	200,000	200,000
Financing Plan													
Cash Capital	2,008,890	1,808,890	0	0	0	0	0	0	0	0	0	200,000	200,000
GO Bonds	1,110	1,110	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,010,000	1,810,000	0	0	0	0	0	0	0	0	0	200,000	200,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for outyear system upgrade or replacement.

### PROJECT DESCRIPTION & JUSTIFICATION

This project supports the replacement of the City's Real Estate Accounts Receivable System (REARS), the system that generates the City's real estate tax bills. In FY 2017, ITS and Finance staff successfully migrated to a new system and retired the legacy system. The Finance Department first utilized the new system to successfully complete the tax year 2017 first-half and second-half real estate tax billings. The funding in the out years is for a major upgrade or anticipated replacement system.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Finance Department Work Plan

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## REAL ESTATE ASSESSMENT SYSTEM (CAMA)

DOCUMENT SUBSECTION: Financial Systems  
 MANAGING DEPARTMENT: Department of Finance

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 0 - 5 Years

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

Real Estate Assessment System (CAMA)													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	490,000	340,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
Financing Plan Cash Capital	490,000	340,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
Financing Plan Total	490,000	340,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project funding reduced by \$835,000 in FY 2021.

### PROJECT DESCRIPTION & JUSTIFICATION

This project funds improvements to the City’s computer assisted mass appraisal (CAMA) system, which Finance staff uses to complete annual assessments of all real property in the City. The real estate accounts receivable system (REARS) relies on property valuations data from the CAMA system. Data from both systems are then used to generate the real estate tax bills. Prior year funding allowed for a critical system upgrade to the CAMA system. This upgrade retired outdated servers, moved all data to a modern database, and implemented a new browser-based user interface. The upgrade significantly extended the useful life of the CAMA system and eliminated the need for a full system replacement in the near term. The project is in a sustainment phase where additional capabilities and functionality will be added as needed, and the current focus is to keep the software aligned to the product lifecycle. The City will also strive to remain compliant with any required upgrades to ensure the application remains viable.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

### GIS DEVELOPMENT

DOCUMENT SUBSECTION: Geographic Information Systems  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

GIS Development													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	3,019,500	2,494,500	30,000	70,000	30,000	70,000	30,000	85,000	40,000	70,000	30,000	70,000	525,000
Financing Plan													
Cash Capital	2,897,251	2,372,251	30,000	70,000	30,000	70,000	30,000	85,000	40,000	70,000	30,000	70,000	525,000
GO Bonds	22,249	22,249	0	0	0	0	0	0	0	0	0	0	0
Prior Year CIP/Close-Out	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	3,019,500	2,494,500	30,000	70,000	30,000	70,000	30,000	85,000	40,000	70,000	30,000	70,000	525,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

#### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

#### PROJECT DESCRIPTION & JUSTIFICATION

The City's Geographic Information System (GIS) is the primary source of information on hundreds of layers of spatial data (streets, parks, parcels, population, etc.). This project funds resources to collect, distribute, access and analyze this data. GIS data allows the City to better inform staff, decision makers and the public on many aspects of City operations. GIS provides this information through applications that address an extensive array of business needs. GIS capital funds are primarily used for GIS hardware and software and the biennial collection of base mapping data.

GIS data allows the City to better inform staff, decision makers and the public on many aspects of City operations. GIS provides this information through applications that address an extensive array of business needs. GIS data and technology is central to many of the City's most critical business applications including Computer Aided Dispatch, Asset Management, Real Estate Assessments, Permitting and Stormwater Utility.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

**CONNECTIVITY INITIATIVES**

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: N/A

Connectivity Initiatives													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	18,123,270	11,823,270	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	400,000	400,000	6,300,000
Financing Plan													
Cash Capital	4,474,000	0	0	0	0	670,000	704,000	740,000	780,000	780,000	400,000	400,000	4,474,000
Comcast Revenues	1,826,000	0	579,000	608,000	639,000	0	0	0	0	0	0	0	1,826,000
Private Capital Contributions	11,823,270	11,823,270	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	18,123,270	11,823,270	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	400,000	400,000	6,300,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

**CHANGES FROM PRIOR YEAR CIP**

Funding added for FY 2030; funding in FY 2029 reduced by \$380,000.

**PROJECT DESCRIPTION & JUSTIFICATION**

This project reflects annual expenditures to Comcast for the monthly support of the City, Library and ACPS institutional network connections and is currently funded with Comcast Revenues. All remaining Comcast revenues have been programmed as funding for other eligible projects within the IT Plan.

**EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION**

N/A

**ADDITIONAL OPERATING IMPACTS**

No additional operating impacts identified at this time.

## DATABASE INFRASTRUCTURE

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

Database Infrastructure													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	1,018,000	818,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Financing Plan													
Cash Capital	905,629	705,629	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
GO Bonds	112,371	112,371	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,018,000	818,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding reduced for FY 2026 – FY 2029.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for new and replacement database infrastructure hardware, software, licensing, upgrades, and tools. This project provides funding to periodically (every 3-5 years) refresh the database technologies and stay current with the manufacturer's lifecycle. Keeping the City's database infrastructure compliant with vendor releases ensures the long-term viability of critical City applications that are used to assess taxes, issue bills, make payments, manage permitting and land management processes and others. In addition to core database technologies, this project also provides for new web reporting services and improvements to existing web reporting portals. This project will occasionally fund the acquisition of new database hardware, infrastructure, and services when new needs arise from City staff. Additionally, this project is used to evaluate the latest database technologies and tools, and provides for consulting services to properly maintain and enhance the City's database infrastructure. Funds in FY 2020 are for database licensing tools and professional services needed to keep the current software lifecycle and for continual improvements to the database infrastructure.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## ENTERPRISE CAMERA SYSTEM

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: TBD

Enterprise Camera System													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	215,000	215,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Cash Capital	215,000	215,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	215,000	215,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project funds a survey of the City's existing camera systems that have been installed around the City over the years. The goal is to identify if it is suitable to consolidate multiple stand-alone camera systems into a standardized city-wide enterprise system. City staff are considering the feasibility of a system that will utilize the City's I-Net to securely transmit video.

In addition, a masterplan will be created to identify the current state of the various camera security system deployments through-out the City and to map an integrated and complimentary digital camera solution. This will inform the strategic direction and investments to be made in the outyears.

In FY 2020, funding in the amount of \$40,000 was used to procure exterior cameras at Beatley Central Library to maintain a safe and secure environment for both staff and visitors. Funding in the out years may be requested to enable standardization of camera systems used in the City.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## ENTERPRISE COLLABORATION

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

Enterprise Collaboration													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	850,000	650,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Financing Plan													
Cash Capital	810,000	610,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Prior Year CIP/Close-Out	40,000	40,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	850,000	650,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding eliminated for FY 2026 - FY 2029.

### PROJECT DESCRIPTION & JUSTIFICATION

This project funds the roll-out of new features for the City’s enterprise content collaboration platform, as well as to adhere to the system manufacturer’s lifecycle. This is a web-based collaboration platform that integrates with the City’s email, desktop productivity tools, messaging, and cloud-based storage functions. The approved funding supports the cost of migration of personal file shares to cloud-based storage; the roll-out and training associated with mobility and “work-from-anywhere” initiatives, including native apps on mobile devices; the training and promotional costs of driving end-user adoption of cloud computing; and the implementation of content management features, such as retention policies, classification for search, and cloud security tools. Funds budgeted in this project are used for research and development activities to define a roadmap to deploy new cloud products and features.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

**ENTERPRISE DATA STORAGE INFRASTRUCTURE**

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

Enterprise Data Storage Infrastructure													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	5,380,435	3,580,435	350,000	400,000	350,000	350,000	350,000	0	0	0	0	0	1,800,000
Financing Plan													
Cash Capital	3,566,000	1,766,000	350,000	400,000	350,000	350,000	350,000	0	0	0	0	0	1,800,000
Code Fund Balance	150,000	150,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	1,664,435	1,664,435	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	5,380,435	3,580,435	350,000	400,000	350,000	350,000	350,000	0	0	0	0	0	1,800,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

**CHANGES FROM PRIOR YEAR CIP**

Funding eliminated for FY 2026 - FY 2029.

**PROJECT DESCRIPTION & JUSTIFICATION**

As the City continues to "go green" and digitize documents across the enterprise, the data storage requirements continue to increase which requires additional storage capacity and proper hardware/software to perform data backups. This project provides funding to maintain and upgrade the backend data storage required for the virtual infrastructure and the enterprise backups. This project includes Storage Area Network (SAN) hardware, software licensing, and enterprise backup hardware. The SANs that are deployed throughout the enterprise provide improved disk utilization and data management. This project provides funding to perform SAN upgrades to include adding needed storage capacity while maintaining optimal performance. Staff will continue to research next generation storage technology.

**EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION**

N/A

**ADDITIONAL OPERATING IMPACTS**

No additional operating impacts identified at this time.

## ENTERPRISE SERVICE CATALOG

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

Enterprise Service Catalog													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	540,000	220,000	160,000	40,000	40,000	40,000	40,000	0	0	0	0	0	320,000
Financing Plan Cash Capital	540,000	220,000	160,000	40,000	40,000	40,000	40,000	0	0	0	0	0	320,000
Financing Plan Total	540,000	220,000	160,000	40,000	40,000	40,000	40,000	0	0	0	0	0	320,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding eliminated for FY 2026 – FY 2029.

### PROJECT DESCRIPTION & JUSTIFICATION

Funding will be used to support the technical service desk operations which includes incident, request, and change management directly related to technical support services for City staff. In FY 2019, ITS implemented a system that includes electronic workflows and automated email notifications. Overall IT efficiency is gained by leveraging this system to automate repetitive tasks and it serves as a central repository for IT service catalog items. Planned funding will be used to implement features and capabilities which includes asset and inventory management to best support and safeguard overall device management.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## INFORMATION TECHNOLOGY EQUIPMENT REPLACEMENT

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

Information Technology Equipment Replacement													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	11,052,740	2,952,740	900,000	750,000	750,000	900,000	900,000	900,000	900,000	700,000	700,000	700,000	8,100,000
Financing Plan													
Cash Capital	10,752,740	2,652,740	900,000	750,000	750,000	900,000	900,000	900,000	900,000	700,000	700,000	700,000	8,100,000
Private Capital Contributions	300,000	300,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	11,052,740	2,952,740	900,000	750,000	750,000	900,000	900,000	900,000	900,000	700,000	700,000	700,000	8,100,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recoded as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The City needs hardware that meets modern technology standards and application requirements. Funds in this project are used to procure new City platform technologies (laptops, desktops, and related components or companion products). This project also provides for the labor costs of deploying the new computers at offices throughout the City. The IT Equipment Replacement project ensures that City staff have appropriate platform technologies and resources necessary to perform core job functions, and that the City's physical IT equipment is replaced on an appropriate schedule to minimize downtime and requests for service. The project's goal is to provide appropriate hardware and companion products to support the City's workforce in their day-to-day job functions.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## INFORMATION TECHNOLOGY LUMP SUM FUNDING

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

Information Technology Lump Sum Funding													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	25,887,000	0	0	1,687,000	1,200,000	3,200,000	3,200,000	3,200,000	3,200,000	3,400,000	3,400,000	3,400,000	25,887,000
Financing Plan													
Cash Capital	22,387,000	0	0	1,687,000	1,200,000	700,000	2,200,000	3,200,000	3,200,000	3,400,000	3,400,000	3,400,000	22,387,000
Use of CIP Designated Fund Bala	3,500,000	0	0	0	0	2,500,000	1,000,000	0	0	0	0	0	3,500,000
Financing Plan Total	25,887,000	0	0	1,687,000	1,200,000	3,200,000	3,200,000	3,200,000	3,200,000	3,400,000	3,400,000	3,400,000	25,887,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding reduced in FY 2021 and FY 2023 to be applied to other now-determined IT Plan projects in development.

### PROJECT DESCRIPTION & JUSTIFICATION

This project reserves IT project future funding in FY 2022– FY 2030 for use on to-be-determined information technology initiatives.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## IT ENTERPRISE MANAGEMENT SYSTEM

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

IT Enterprise Management System													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	510,000	510,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	460,000	460,000	0	0	0	0	0	0	0	0	0	0	0
Comcast Revenues	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	510,000	510,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The IT Enterprise Management System project continues to support the proper lifecycle management of enterprise software installed on information technology equipment. This project provides funding to automate operating system deployment, software deployment, and automated software patching services. ITS deployed this tool to streamline and standardize the deployment of desktop and server software packages. This allows the City to efficiently stay current with the software manufacturer's lifecycle and/or address potential vulnerabilities.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

### LAN DEVELOPMENT

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

LAN Development													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	709,000	459,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Financing Plan													
Cash Capital	545,661	295,661	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
GO Bond Interest Earnings	30,679	30,679	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	67,660	67,660	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	65,000	65,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	709,000	459,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added to project for FY 2021 – FY 2030.

### PROJECT DESCRIPTION & JUSTIFICATION

This project maintains or upgrades the local area network (LAN) infrastructure in City government buildings including: data cabling, demarcation boxes, racks, and cabinets. This project ensures that current data runs and new data connections associated with office moves and renovations will consistently provide staff sufficient data speeds, based on the latest network technologies deployed in the City. This project also funds upgrades to the physical spaces (network closets) where the LAN infrastructure resides to ensure that they are adequately cooled, lighted, and secured. The condition of the physical space is critical to the optimal performance of network equipment connecting to the City's I-Net. On an on-going basis, ITS ensures the quality of the local area network is consistent with I-Net by continuously performing required cable drop maintenance, installation of new or replacement network drops, and other related equipment replacements or upgrades.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## LAN/WAN INFRASTRUCTURE

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

LAN/WAN Infrastructure													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	15,457,640	5,693,000	2,481,140	1,302,700	809,400	316,500	323,900	1,567,700	740,900	740,800	740,800	740,800	9,764,640
Financing Plan													
Cash Capital	8,918,513	1,027,873	1,360,140	910,700	448,400	316,500	323,900	1,567,700	740,900	740,800	740,800	740,800	7,890,640
Comcast Revenues	2,015,000	141,000	1,121,000	392,000	361,000	0	0	0	0	0	0	0	1,874,000
GO Bond Interest Earnings	13,816	13,816	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	763,311	763,311	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	3,747,000	3,747,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	15,457,640	5,693,000	2,481,140	1,302,700	809,400	316,500	323,900	1,567,700	740,900	740,800	740,800	740,800	9,764,640
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recoded as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project enables the City to deliver scalable wired and wireless access to data, voice and video communications on the City's Institutional Network (I-Net). This project funds the replacement and acquisition of networking equipment which includes core switches, edge switches, firewalls, routers, gigabit modules, fiber optic cable, various networking monitoring tools, packet filtering/ traffic shaping devices, and professional services. Consulting services are used when making network modifications, which are required for integration of products or services.

The costs for a wireless engineer has been funded from this project since FY 2018 to review and architect secure wireless solutions to support mobile initiatives. Wireless access allows the workforce secure, real-time access to information from City-issued devices. Guest wireless access allows the public to access mobile content from designated areas within City facilities. ITS has made steady progress in developing and maturing its wireless infrastructure, including establishing a wireless standards platform. The City now has close to 400 wireless access points in 49 facilities.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## MUNICIPAL FIBER

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 30+ Years

Municipal Fiber													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
<b>Expenditure Budget</b>													
Total Expenditure													
Previously Appropriated	12,410,000	12,410,000	0	0	0	0	0	0	0	0	0	0	0
Scope	1,866,310	0	1,866,310	TBD	0	0	0	0	0	0	0	0	1,866,310
Staffing	1,677,690	0	133,690	140,000	147,000	154,000	162,000	170,000	179,000	188,000	197,000	207,000	1,677,690
<b>Total Expenditure Total</b>	<b>15,954,000</b>	<b>12,410,000</b>	<b>2,000,000</b>	<b>140,000</b>	<b>147,000</b>	<b>154,000</b>	<b>162,000</b>	<b>170,000</b>	<b>179,000</b>	<b>188,000</b>	<b>197,000</b>	<b>207,000</b>	<b>3,544,000</b>
<b>Expenditure Budget Total</b>													
15,954,000	12,410,000	2,000,000	140,000	147,000	154,000	162,000	170,000	179,000	188,000	197,000	207,000	207,000	3,544,000
<b>Financing Plan</b>													
Cash Capital	15,128,427	11,584,427	2,000,000	140,000	147,000	154,000	162,000	170,000	179,000	188,000	197,000	207,000	3,544,000
GO Bonds	825,573	825,573	0	0	0	0	0	0	0	0	0	0	0
<b>Financing Plan Total</b>	<b>15,954,000</b>	<b>12,410,000</b>	<b>2,000,000</b>	<b>140,000</b>	<b>147,000</b>	<b>154,000</b>	<b>162,000</b>	<b>170,000</b>	<b>179,000</b>	<b>188,000</b>	<b>197,000</b>	<b>207,000</b>	<b>3,544,000</b>
<b>Additional Operating Impact</b>	<b>7,215,000</b>	<b>0</b>	<b>0</b>	<b>571,000</b>	<b>830,500</b>	<b>7,215,000</b>							

### CHANGES FROM PRIOR YEAR CIP

Funding in the amount of \$2 million added for FY 2021, and funding in FY 2022 – FY 2030 added for the ongoing costs Municipal Fiber Engineer.

### PROJECT DESCRIPTION & JUSTIFICATION

The City currently leases a fiber optic network from Comcast that provides an institutional network (I-Net) connection to all City government facilities which includes Libraries, City government offices, and ACPS educational facilities. This project funds the design and build-out of a City-owned municipal fiber network which will replace the Comcast network with approximately 40 miles of fiber optic and will provide greater and more uniformly available wide area network services to meet current and future projected City service levels. Mandatory, critical City communications are supported over the I-Net: the City’s VoIP telephone system, public safety dispatch systems, data network services, Internet, and mission-critical system applications. The City is seeking a technically superior alternative that is financially self-sustaining, both through avoidance of existing costs and providing potential new revenue streams.

After extensive research and evaluation of technological and market conditions, the City has determined that the construction and operation of its own fiber optic network will lead to long-term savings and increased service capabilities, as well as give the City potential revenue options with private entity leasing agreements of the second conduit that is being included in the construction. Allowing the leasing of the second conduit by the private sector would enable the private service providers to provide high speed internet connections to City businesses and residents, and represents an investment in future long-term positive economic development.

Project objectives include better management of long-term costs, reduction of the risk of pricing volatility, enhancement of City services and support of economic development. Alternatives are limited and wireless solutions are not sufficient. Approved FY 2018 and FY 2019 funds were used to contract a Municipal Fiber Engineer and to secure professional services to design and implement the Municipal Fiber project.

Funds included in FY 2021 in this project of \$2.0 million reflect an increase in the project budget, for fiber management and mapping software, electronics, professional consulting services, construction management services, and contingency funds. Since the project is still in the bidding stage with cost uncertainty remaining, it is possible that a to-be-determined additional funding amount will be needed in FY 2022 for construction of the Municipal Fiber project.

There are various project dependencies as well as opportunities that could impact the overall design and costs of the municipal fiber network. Factors such as 5G wireless, public-private partnerships, smart mobility and construction site variables are all considerations that could increase costs or alter the original design.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

Maintenance and monitoring of a City-owned and operating I-Net will require additional software systems and staffing.

## NETWORK SECURITY

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

Network Security													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	7,970,000	3,565,000	300,000	350,000	500,000	605,000	400,000	400,000	800,000	350,000	350,000	350,000	4,405,000
Financing Plan													
Cash Capital	6,442,014	2,037,014	300,000	350,000	500,000	605,000	400,000	400,000	800,000	350,000	350,000	350,000	4,405,000
Comcast Revenues	590,000	590,000	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	80,000	80,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	57,986	57,986	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	800,000	800,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	7,970,000	3,565,000	300,000	350,000	500,000	605,000	400,000	400,000	800,000	350,000	350,000	350,000	4,405,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recoded as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to fund the technical implementation of security technologies to protect data confidentiality, integrity, and availability of the City's Infrastructure. The City's information security program's function is to proactively identify, assess and implement solutions to address the City's IT vulnerabilities. Evaluating the role of new security technologies and methodologies is a continual process that requires capital investment. Funds programmed in the out years of this plan will be used to procure necessary tools, software, and services to better combat threats and improve the City's security posture. Funding in this project provides for continued IT and cyber security system protections, enhancements, replacements and upgrades, service consultation expenses, and future security product and service acquisitions to assist with ensuring the confidentiality, integrity, and availability of City systems and information.

The Network Security project funds initiatives that reduce the City's risk to cyber attacks. The average ransomware incident takes an organization offline for at least a week. A major security incident could potentially be very costly to the City, cause interruptions to City operations and damage the City's reputation. Investing pre-emptively in security measures reduces the risk of an incident occurring. IT security continues to be a fundamental component of the City's enterprise architecture and strategy.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## NETWORK SERVER INFRASTRUCTURE

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

Network Server Infrastructure													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	9,321,143	8,011,143	410,000	300,000	300,000	300,000	0	0	0	0	0	0	1,310,000
Financing Plan													
Cash Capital	6,831,976	5,521,976	410,000	300,000	300,000	300,000	0	0	0	0	0	0	1,310,000
GO Bonds	717,042	717,042	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	1,772,125	1,772,125	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	9,321,143	8,011,143	410,000	300,000	300,000	300,000	0	0	0	0	0	0	1,310,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for FY 2021 – FY 2024.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for the phased replacement of the hardware and software required to operate the City's network server environment in a secure, high performing, and reliable manner. This project provides funds for procuring necessary hardware, network software upgrades, client access licenses, virtualization licenses, and network operating system licenses. Typical equipment purchases include chassis, and chassis components, server blades, and memory.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## REMOTE ACCESS

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

Remote Access													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,343,000	833,000	165,000	170,000	175,000	0	0	0	0	0	0	0	510,000
Financing Plan													
Cash Capital	1,343,000	833,000	165,000	170,000	175,000	0	0	0	0	0	0	0	510,000
Financing Plan Total	1,343,000	833,000	165,000	170,000	175,000	0	0	0	0	0	0	0	510,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP; Funding added for outyear system upgrade or replacement.

### PROJECT DESCRIPTION & JUSTIFICATION

This project supports employee teleworking initiatives for City staff. Funding is provided to allow secure remote access for employees who telework and employees who work at remote locations. Funds programmed in the out years of this plan will be used to procure new licensing, assess applications compatibility, and procure related hardware devices in order to sustain the remote access infrastructure. In recent fiscal years, various improvements have been made including software upgrades and equipment replacement to enhance the remote worker experience as well as improve security.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## UPGRADE WORK STATION OPERATING SYSTEMS

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

Upgrade Work Station Operating Systems													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	4,413,950	3,313,950	150,000	150,000	300,000	200,000	300,000	0	0	0	0	0	1,100,000
Financing Plan													
Cash Capital	3,893,671	2,793,671	150,000	150,000	300,000	200,000	300,000	0	0	0	0	0	1,100,000
GO Bond Interest Earnings	120,000	120,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	400,279	400,279	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	4,413,950	3,313,950	150,000	150,000	300,000	200,000	300,000	0	0	0	0	0	1,100,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for FY 2021 – FY 2025.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funds to upgrade the Windows operating system, maintain a current Microsoft operating system service plan (N-1), and provide an up-to-date Microsoft productivity suite on City workstations, as well as to fund required improvements to computer laptops and desktops, peripherals, or other related hardware components as necessary. This project also provides funds for the labor costs of installing the new operating systems and related software components. Additionally, funding is used to test the viability of newer operating systems, mobile devices (e.g. tablets) and laptop technologies with current City applications and hardware. Testing workstations prior to enterprise implementation is necessary to help ensure efficient roll-out of new technology and minimizes disruptions and application or hardware compatibility problems.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## VOICE OVER INTERNET PROTOCOL (VOIP)

DOCUMENT SUBSECTION: Network Services  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

Voice Over Internet Protocol (VoIP)													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	6,007,173	5,322,173	270,000	155,000	120,000	80,000	60,000	0	0	0	0	0	685,000
Financing Plan													
Cash Capital	2,288,173	1,603,173	270,000	155,000	120,000	80,000	60,000	0	0	0	0	0	685,000
GO Bonds	621,000	621,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	3,098,000	3,098,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	6,007,173	5,322,173	270,000	155,000	120,000	80,000	60,000	0	0	0	0	0	685,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for FY 2021 – FY 2025.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides funds for the continuous improvements to Voice over Internet Protocol (VoIP), the City's enterprise telephony systems and services. Project funding is used for the City's telecommunications infrastructure, including software, servers, switches, and handsets. Routine hardware replacement and software upgrades need to be performed to maintain a viable and reliable VoIP infrastructure. ITS has been refining departmental VoIP configurations by deploying new features including voicemail to email and call center reporting enhancements. This enables the City to leverage the next generation capabilities and features to integrate with other City systems and applications.

Funds in FY 2022 and FY 2023 will be used to replace end-of-life hardware, software, and desk handsets and upgrade to the next generation unified voice communication platform to meet the City's future business requirements.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## COUNCIL CHAMBERS TECHNOLOGY UPGRADE

DOCUMENT SUBSECTION: Other System Development Projects	PROJECT LOCATION: 301 King St, Council Chamber, Alexandria VA 22314
MANAGING DEPARTMENT: City Clerk's Office	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government	PROJECT CATEGORY: IT Plan
	ESTIMATE USEFUL LIFE: 0 - 5 Years

Council Chamber Technology Upgrade													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	856,000	350,000	0	0	440,000	0	0	66,000	0	0	0	0	506,000
Financing Plan													
Cash Capital	506,000	0	0	0	440,000	0	0	66,000	0	0	0	0	506,000
GO Bonds	0	0	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	856,000	350,000	0	0	440,000	0	0	66,000	0	0	0	0	506,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for outyear system upgrade or replacement.

### PROJECT DESCRIPTION & JUSTIFICATION

City Council Chambers is where elected and appointed officials, City staff, and the public meet to conduct official City business. Council Chambers hosts regular and special City Council meetings, City Council informational meetings, City Council Committee meetings, Planning Commission meetings, Boards of Architectural Review meetings, and other City meetings.

Planned funding in FY 2018 and FY 2019 was used to define the requirements, obtain cost proposals, and contract with vendor resources to perform the necessary audio visual improvements. The City Council Chambers was installed with modern, functional equipment that was suited to the task and environment. The equipment will have to be periodically replaced. The replacement lifecycle for the equipment and the funding will need to occur in the out years of the 10 year plan.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

## ENTERPRISE MAINTENANCE MGMT SYSTEM

DOCUMENT SUBSECTION: Other System Development Projects	PROJECT LOCATION: Citywide
MANAGING DEPARTMENT: Department of Transportation and Environmental Services	REPORTING AREA: Citywide
PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government	PROJECT CATEGORY: IT Plan ESTIMATE USEFUL LIFE: 6 - 10 Years

Enterprise Maintenance Mgmt System													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	930,000	730,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Financing Plan													
Cash Capital	780,000	580,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
GO Bonds	150,000	150,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	930,000	730,000	40,000	40,000	40,000	40,000	40,000	0	0	0	0	0	200,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding reduced for FY 2026 – FY 2029.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides for the expansion of the City's enterprise maintenance management system (EMMS) to add additional departments. This system is a service request/work order management system used by departments in the day-to-day activities associated with maintaining assets and infrastructure. Improvements to this system will provide full lifecycle management of City-owned assets. The EMMS integrates with the City's GIS system, serving as an asset inventory with location details and it is the foundational system behind the City's current service request system, Alex311.

Approved funding in prior years was used to begin a multi-year initiative to implement mobile workforce initiatives in the EMMS. These improvements have begun to be rolled out and they have allowed the City to provide mobile access to business applications by City employees in the field, and have added greater efficiencies in the tracking of labor, materials, equipment, scheduling, and contracting costs for asset maintenance.

This project is in a sustain and maintain mode where additional capabilities and functionality will be added as needed, but the focus is to keep the software aligned to the product lifecycle. The City will also strive to remain compliant with any required upgrades to ensure the applications continue to work appropriately within the City technology landscape.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## FLEET MANAGEMENT SYSTEM

DOCUMENT SUBSECTION: Other System Development Projects

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Department of Transportation and Environmental Services

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
ESTIMATE USEFUL LIFE: 6- 10 Years

Fleet Management System													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	140,000	0	140,000	0	0	0	0	0	0	0	0	0	140,000
Financing Plan													
Cash Capital	140,000	0	140,000	0	0	0	0	0	0	0	0	0	140,000
Financing Plan Total	140,000	0	140,000	0	0	0	0	0	0	0	0	0	140,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project provides a technology refresh of the City’s fleet management software to a next generation version of the software which is browser-based. The newer web version of the software will make it much easier to deploy and maintain. It is also compatible with tablets and handheld devices, where the older version requires a desktop computer. It is anticipated that having smaller devices available in a garage will make the repair environment more streamlined and allow for improved work order process flow. Efficiencies available in the newer version of software including web reports, handhelds, barcode scanning, and inventory management can only be achieved with the upgrade. Thus, the current version of software that the City is using is approaching its end-of-life.

This effort will be similar to a new system implementation, because it is essentially a different set of software. The scope will include new licensing, data migration, reports migration, new feature setup and configuration, testing, training, and go-live support. Funding in the out years for this project will be used to sustain and maintain the system properly.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## FOIA SYSTEM REPLACEMENT

DOCUMENT SUBSECTION: Other System Development Projects

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Office of the City Attorney

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

PROJECT CATEGORY: IT Plan

ESTIMATE USEFUL LIFE: 0 - 5 Years

FOIA System Replacement													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	85,000	70,000	15,000	0	0	0	0	0	0	0	0	0	15,000
Financing Plan													
Cash Capital	85,000	70,000	15,000	0	0	0	0	0	0	0	0	0	15,000
Financing Plan Total	85,000	70,000	15,000	0	0	0	0	0	0	0	0	0	15,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding reduced in FY 2021 and FY 2022.

### PROJECT DESCRIPTION & JUSTIFICATION

The City Attorney's Office receives and processes Freedom of Information Act (FOIA) records requests made to the City. Under the Virginia Freedom of Information Act, the City has five working days to provide responses to requestors. In order to appropriately handle records requests, the office uses a system that tracks requests and communicates with staff when requests have been assigned. The system is used by the City Attorney's Office and designated department contacts to track the status of the requests, and any responses made to requestors.

Funds will be used to upgrade the existing FOIA Tracking System with new functionality and enhancements that will meet the current business needs of the City Attorney's Office and its customers. The enhancements included with the upgrade will help streamline the response process; thus making the process more efficient by decreasing the response time to customers and allowing City staff to work more efficiently.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## GENERAL SERVICES FACILITIES MANAGEMENT SYSTEM

DOCUMENT SUBSECTION: Other System Development Projects

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Department of General Services

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
ESTIMATE USEFUL LIFE: 5- 10 Years

General Services Facilities Management System													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	0	0	0	TBD	TBD	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	0	0	0	TBD	TBD	0	0	0	0	0	0	0	0
Financing Plan Total	0	0	0	TBD	TBD	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

In 2017, the City Council adopted a resolution to establish the Ad Hoc Join City-Schools Facility Investment Task Force (the Task Force). It was established to develop and recommend a long-range joint City-Schools Facilities Capital Improvement Plan. Among the findings was a recommendation to improve and standardize data on capital assets between City and ACPS that would allow for comparison of assets' conditions. Additionally, the Task Force noted that the Department of General Services (DGS), Alexandria City Public Schools (ACPS), and Alexandria Fire Department (AFD) have three different work order tracking systems with varying and often limited capabilities for preventive maintenance scheduling, which creates inefficiencies and lacks standard performance outcomes.

Per the Joint City-Schools Facility Investment Task Force, Department of General Services with the help of Alexandria City Public Schools and Alexandria Fire Department are currently conducting a study with a third-party expert to review business processes and Computerized Maintenance Management System (CMMS) software in order to provide recommendations on best practices and software requirements to better align all three entities. This study will also include the review of project management software to better facilitate work and communication with the newly recommended CMMS and Capital Planning Software.

Once this study is completed, the City and Schools can begin to consider a project that will either expand the existing CMMS system or procure a new CMMS system, and a related project management software. Once a strategy is decided upon, a funding plan can be developed to acquire, configure, and implement CMMS solution.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## HIPAA & RELATED HEALTH INFORMATION TECHNOLOGIES

DOCUMENT SUBSECTION: Other System Development Projects

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Department of Community and Human Services

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 9: Healthy Residents

PROJECT CATEGORY: IT Plan  
ESTIMATE USEFUL LIFE: Varies

HIPAA & Related Health Information Technologies													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	878,000	628,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Financing Plan													
Cash Capital	775,000	525,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Prior Year CIP/Close-Out	28,000	28,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	75,000	75,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	878,000	628,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Department of Community and Human Services adheres to the Health Insurance Portability and Accountability Act (HIPAA) and its established standards and safeguards that protect the confidentiality, integrity, and availability of protected electronic health information. HIPAA regulations impact all of the Department’s functions, processes and systems that store, generate, or report on health information. Prior year funding was used towards security audits, a HIPAA secured document management solution, secure efax and a HIPAA secure printing and scanning solution for the Department.

This project funds a continued self-assessment of current business functions related to Health Information Technology infrastructure and use, as well as provides funding for HIPAA-mandated regulations and compliance. Planned funding ensures all processes associated with health information technology are continually monitored and improved upon in efforts to address required updates, data security requirements and hardware needs.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## IMPOUND LOT SYSTEM REPLACEMENT

DOCUMENT SUBSECTION: Other System Development Projects  
 MANAGING DEPARTMENT: Department of Transportation and Environmental Services

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6- 10 Years

Impound Lot System Replacement													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	200,000	0	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Financing Plan													
Cash Capital	200,000	0	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Financing Plan Total	200,000	0	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project supports the replacement of the City’s impound/ towing management software system. The current system has been in use for more than 15 years, and it was custom developed in-house using a legacy programming language which is now end-of-life. The business processes associated with running an impound lot require an automated electronic software system. The current system has become increasingly difficult to maintain due to legacy technology. The new system will have more automation and it will manage the entire impound process. It will track a vehicle from impound through release or disposal, accounting for vehicle information, pickup and storage locations, towing information, and all fees, payments associated with the impound including credit card processing.

The funds in FY 2021 will allow the City to research some of the commercial-off-the-shelf software options available that will meet the needs of the City. The funds in FY 2022 will support the replacement of the legacy software with a new automated system.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## LIBRARY PUBLIC ACCESS COMPUTERS AND PRINT MGMT SYSTEM

DOCUMENT SUBSECTION: Other System Development Projects

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Libraries

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 7: Thriving Children & Youth

PROJECT CATEGORY: IT Plan

ESTIMATE USEFUL LIFE: Varies

Library Public Access Computers and Print Mgmt System													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	130,000	45,000	0	0	85,000	0	0	0	0	0	0	0	85,000
Financing Plan													
Cash Capital	130,000	45,000	0	0	85,000	0	0	0	0	0	0	0	85,000
Financing Plan Total	130,000	45,000	0	0	85,000	0	0	0	0	0	0	0	85,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding originally planned in FY 2022 is moved to FY 2023.

### PROJECT DESCRIPTION & JUSTIFICATION

Alexandria's libraries maintain an automated system for managing the computers made available to the public. The system manages the waiting lists for computers, monitoring time limits for computer sessions, and also manages customer printing. A new system with enhanced features that accepts credit card payments for print jobs was implemented in April 2017. The upgraded kiosk system has improved service options for Library users, including the ability to print from USB drives. In 2018, a wireless printing component was implemented, allowing users to print from their mobile devices. This updated system also accepts credit card payments using modern chip and pin compatible terminals, resulting in PCI Compliance. The system has also improved the Libraries' accounting and reporting functions. Library users have responded positively to an updated process that offers additional features and the convenience of credit card payments. Funds will be used in the latter part of FY 2023 to upgrade and/or replace necessary components.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Alexandria Library Five-Year Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## LIBRARY SCANNING EQUIPMENT AND DAMS

DOCUMENT SUBSECTION: Other System Development Projects

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Libraries

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 7: Thriving Children & Youth

PROJECT CATEGORY: IT Plan  
ESTIMATE USEFUL LIFE: Varies

Library Scanning Equipment and DAMS													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	60,400	0	60,400	0	0	0	0	0	0	0	0	0	60,400
Financing Plan													
Cash Capital	60,400	0	60,400	0	0	0	0	0	0	0	0	0	60,400
Financing Plan Total	60,400	0	60,400	0	0	0	0	0	0	0	0	0	60,400
Additional Operating Impact	85,000	0	0	8,400	8,600	8,900	9,100	9,400	9,700	10,000	10,300	10,600	85,000

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Alexandria Public Library’s Local History/ Special Collections has a specialized collection which includes microfilm and microfiche. These materials are utilized by customers when doing historical and genealogical research. The Library’s existing equipment is nearly 20 years old and is increasingly difficult to maintain. In addition, the equipment cannot be connected with the Library’s print management system, making printing less efficient, as well as making paying for printouts cumbersome. The planetary scanner is also nearly 20 years old and it is used by researchers to photocopy historical books, documents, and maps which are housed in Local History.

Additionally, the Local History/ Special Collections branch is in need of a Digital Asset Management System (DAMS). A DAMS is an essential and important business need for special collection repositories due to the users being geographically dispersed. It is equally important to improve access to materials through a DAMS for those City agencies involved with planning, tourism, archaeology, and infrastructure. A DAMS will allow for digital access to materials, and it will also allow for the information to be re-used by other national, State, and City-level sites and projects.

Funding in FY 2021 will be used to do some initial discovery sessions of what’s available on the market followed by the procurement of a replacement solution. Once the Library staff find a solution provider that meet the business needs of the City, then they will move forward with a procurement of the necessary hardware and software. The scope of work will include installation, configuration, training, and implementation of the new system(s).

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

There will be annual maintenance paid to the vendor to keep the software/hardware up to date and supported which usually amounts to 10-15 % of the acquisition costs.

## LIBRARY SELF-SERVICE STATIONS/EQUIPMENT

DOCUMENT SUBSECTION: Other System Development  
Projects

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Libraries

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 7: Thriving Children & Youth

PROJECT CATEGORY: IT Plan

ESTIMATE USEFUL LIFE: 0 - 5 Years

Library Self-Service Stations/Equipment													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	312,000	160,000	0	0	0	0	152,000	0	0	0	0	0	152,000
Financing Plan													
Cash Capital	312,000	160,000	0	0	0	0	152,000	0	0	0	0	0	152,000
Financing Plan Total	312,000	160,000	0	0	0	0	152,000	0	0	0	0	0	152,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for outyear system upgrade or replacement.

### PROJECT DESCRIPTION & JUSTIFICATION

The Alexandria Library's self-service equipment (offering options for actions such as borrowing and renewing materials and paying fines and fees) began to be upgraded in FY 2018. The equipment was replaced at the Beatley Central Library with new improved self-service equipment that includes the Payment Card Industry Data Security Standard (PCI) for credit card payments, RFID integration, and higher accuracy.

This system allows staff to have more flexibility freeing them from clerical duties, allowing them to focus on additional responsibilities such as program planning, passport processing and outreach services. Neighboring library systems, including Arlington, Prince George's, and Baltimore Counties, also report that 80% to 90% of all circulation transactions (checkout, renewals, fine payments) take place using self-service equipment, allowing Library staff to focus on other tasks.

This software/equipment was installed in every branch of the Library and began service in FY 2020. There will be a need for a replacement or refresh of the system in the coming years. The hardware and software that is in place will be reaching end-of-life in five years and the equipment will need to be replaced with updated hardware and software to maintain reliability. Funds in FY 2025 are to replace the current system. The project aligns with the Library's 2015-2020 Five-Year Plan, which seeks to increase technology use in Library facilities, focus staff attention on educational programming for the community, improve access to Library collections, and highlight efforts to improve customer service.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Alexandria Library Five-Year Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## MIGRATION OF INTEGRATED LIBRARY SYSTEM TO SAAS PLATFORM

DOCUMENT SUBSECTION: Other System Development Projects

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Libraries

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 7: Thriving Children & Youth

PROJECT CATEGORY: IT Plan

ESTIMATE USEFUL LIFE: Varies

Migration of Integrated Library System to SAAS Platform													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	69,000	69,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	69,000	69,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	69,000	69,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Alexandria Library migrated from an on-premises Integrated Library Management System (ILS) to a “software-as-a-service”(SAAS)-based system. Through an annual SAAS agreement, equipment replacement, maintenance, and upgrading costs are absorbed with the Libraries’ ILS provider. All ILS software and hardware services were migrated to cloud services with the exception of various telephone notification services and 3rd party bank payment systems. By moving to a cloud-based platform, the Library realized many benefits, including:

- Continuous technical support and monitoring; seamless system upgrades with no downtime; remote repairs, replacements and maintenance;
- Secure 24/7 system access and monitoring from any computer/device with online access for/by library staff;
- Creation of more opportunities for enhancing community outreach services; and
- Improved compatibility with Library third party vendor services.

This project is nearing completion with the exception of replacing the Library's remote patron authentication (RPA) server to a cloud based model (SIP server). This server authenticates user accounts, enabling them to access their online accounts (for paying bills, placing holds, etc.) and using the Library's digital collections (e-books, downloadable content, research portals, etc.).

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Alexandria Library Five-Year Plan

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## OFFICE OF VOTER REGISTRATIONS AND ELECTIONS EQUIPMENT REPLACEMENT

DOCUMENT SUBSECTION: Other System Development Projects

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Voter Registration and Elections

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
ESTIMATE USEFUL LIFE: 5-7 years

Office of Voter Registrations and Elections Equipment Replacement													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,100,000	100,000	0	0	0	0	0	0	0	0	1,000,000	0	1,000,000
Financing Plan													
Cash Capital	1,100,000	100,000	0	0	0	0	0	0	0	0	1,000,000	0	1,000,000
Financing Plan Total	1,100,000	100,000	0	0	0	0	0	0	0	0	1,000,000	0	1,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for outyear system upgrade or replacement.

### PROJECT DESCRIPTION & JUSTIFICATION

The City keeps current with its required electronic poll books (EPBs) through a program administered by the Virginia State Board of Elections (SBE). This program enables the City to periodically purchase electronic poll books (laptops) and related hardware and software. Funds will be used to replace the City's EPBs prior to the November 2020 Presidential Election.

Funds are budgeted in FY 2030 for the anticipated replacements which might change as a result of a State mandate.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## OHA POINT-OF-SALE SYSTEM REPLACEMENT

DOCUMENT SUBSECTION: Other System Development Projects

PROJECT LOCATION: 801 South Payne Street

MANAGING DEPARTMENT: Office of Historic Alexandria

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation

PROJECT CATEGORY: IT Plan  
ESTIMATE USEFUL LIFE: 6- 10 Years

OHA Point of Sale System Replacement													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	150,000	0	0	0	0	150,000	0	0	0	0	0	0	150,000
Financing Plan													
Cash Capital	150,000	0	0	0	0	150,000	0	0	0	0	0	0	150,000
Financing Plan Total	150,000	0	0	0	0	150,000	0	0	0	0	0	0	150,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The purpose of the Point of Sale (POS) system is to provide for in-person and online retail sales for the Office of Historic Alexandria's museums and retail stores. The City's Office of Historic Alexandria implemented the point of sale system as a pilot in 2012. The application has been in production for over 8 years. The point of sale system is currently used at 8 brick and mortar locations and it has an integrated online shop. The current point of sale system is now near end-of-life and it will need to be replaced in the near future. The Office of Historic Alexandria also has a need for a tablet module that could be used at outdoor events, but this is not available from the current vendor.

Funding in FY 2024 will be used to do some initial discovery sessions of what's available on the market followed by the procurement of a replacement solution. Once the Office of Historic Alexandria finds a suitable solution they will move forward with a procurement of the necessary hardware and software. The scope of work will include installation, configuration, training, and implementation of the new system(s).

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## OHA RECORDS MANAGEMENT SYSTEM REPLACEMENT

DOCUMENT SUBSECTION: Other System Development Projects

PROJECT LOCATION: 801 South Payne Street

MANAGING DEPARTMENT: Office of Historic Alexandria

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 5: Flourishing Arts, Culture & Recreation

PROJECT CATEGORY: IT Plan

ESTIMATE USEFUL LIFE: 6 - 10 Years

OHA Records Management System Replacement													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

No changes from previous CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project funds the upgrade of the Office of Historic Alexandria's Records Management System. This software is used for tracking the large collections of City records and making them available to both City employees and the public, in accordance with all applicable state and local regulations governing the management of City records. The upgraded records management software is essential to providing business process efficiency while ensuring regulatory compliance. This software was successfully upgraded and is currently in a sustainment phase.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Office of Historic Alexandria Departmental Five-Year Strategic Plan, FY 2012-2016, currently undergoing revision.

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

**PERMIT PROCESSING**

DOCUMENT SUBSECTION: Other System Development Projects  
 MANAGING DEPARTMENT: Department of Code Administration

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 6: Strong Economy

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 11 - 15 Years

Permit Processing													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	6,417,167	4,717,167	300,000	100,000	100,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	1,700,000
Financing Plan													
Cash Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Code Fund Balance	6,417,167	4,717,167	300,000	100,000	100,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	1,700,000
Financing Plan Total	6,417,167	4,717,167	300,000	100,000	100,000	100,000	100,000	100,000	100,000	350,000	350,000	100,000	1,700,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

**CHANGES FROM PRIOR YEAR CIP**

Funding added for FY 2021 – FY 20230 for further upgrades and functionality of APEX system.

**PROJECT DESCRIPTION & JUSTIFICATION**

This project funds the system used for the administration of the City's land development process and is used by multiple agencies including Code Administration, Transportation & Environmental Services, Planning & Zoning, Fire, Office of Historic Alexandria, Finance, and the Health Department. The City recently implemented a new land management system, APEX. APEX replaces the 20-year old system and offers electronic application, plan submission and review for permits and land use applications; online payments; real-time status tracking for permit and land use applications; online inspection scheduling, tracking and updates; advanced search capabilities; and easy, effective communication with customers.

Permit processes include the administration of commercial and residential permits for building and trade work, fire prevention, outdoor dining, elevators, noise permits, and the residential rental inspections program. The permitting system also supports administrative and City ordinance processes such as site plans, developmental special use permits (DSUP), special use permits (SUP), board of architectural review cases (BAR), Board of Zoning Appeal cases (BZA), certificates of occupancy (CO), code modifications, vacant building registrations, unfit properties, hauling, reserved parking, and complaint processes regarding maintenance of existing structures, civil penalties, fire inspections, tenant/ landlord complaints, SUP and BAR violations.

In FY 2021 APEX application software will be upgraded to incorporate desired functionality improvements and maintain software viability and industry compliance. The upgraded application will provide enhanced interoperability to include mobile platform readiness. Additionally, improvements to electronic review provide City inspectors and planners an even more efficient and transparent method of interacting with City customers. As a result of the upgrade requirement, vendor support services will be required for deployment and training.

**EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION**

N/A.

**ADDITIONAL OPERATING IMPACTS**

No additional operating impacts identified at this time.

## RECREATION DATABASE SYSTEM

DOCUMENT SUBSECTION:	Other System Development Projects	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Citywide
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	PROJECT CATEGORY:	IT Plan
		ESTIMATE USEFUL LIFE:	6 - 10 Years

Recreation Database System													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	590,000	110,000	200,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	480,000
Financing Plan													
Cash Capital	590,000	110,000	200,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	480,000
Financing Plan Total	590,000	110,000	200,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	480,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added in FY 2021 and FY 2022 for upgrade of system.

### PROJECT DESCRIPTION & JUSTIFICATION

This system manages the day-to-day operations of the recreation centers and other ancillary programs administered by the Department of Recreation, Parks, and Cultural Activities. The Recreation Database System is a central citizen/customer database, providing financial and statistical reporting, activity registration, facility reservations, and pass management. A full version upgrade of this system is planned for FY 2021. Funding will be used to perform the comprehensive upgrade of the recreation management database software. Activities include staff training, data preparation, and professional services needed to develop new configurations and utilize new features.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

### SMALL SYSTEMS REPLACEMENTS

DOCUMENT SUBSECTION:	Other System Development Projects	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Information Technology Services	REPORTING AREA:	Citywide
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	PROJECT CATEGORY:	IT Plan
		ESTIMATE USEFUL LIFE:	5 - 10 Years

Small Systems Replacements														
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030	
Expenditure Budget	1,000,000	0	0	0	0	0	0	0	0	250,000	250,000	250,000	250,000	1,000,000
Financing Plan														
Cash Capital	1,000,000	0	0	0	0	0	0	0	0	250,000	250,000	250,000	250,000	1,000,000
Financing Plan Total	1,000,000	0	0	0	0	0	0	0	0	250,000	250,000	250,000	250,000	1,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0	0

#### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP.

#### PROJECT DESCRIPTION & JUSTIFICATION

Funding in the out years for this project will be for programming services for applications or the acquisition of applications that are primarily single-use and provide artificial support for department priorities. ITS staff supports and administers about 10 or more of these applications that must be properly sustained.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## TIME & ATTENDANCE SYSTEM UPGRADE

DOCUMENT SUBSECTION: Other System Development Projects

PROJECT LOCATION: Citywide

MANAGING DEPARTMENT: Finance Department

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
ESTIMATE USEFUL LIFE: Varies

Time & Attendance System Upgrade													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	245,000	70,000	80,000	0	0	40,000	0	0	0	0	55,000	0	175,000
Financing Plan													
Cash Capital	245,000	70,000	80,000	0	0	40,000	0	0	0	0	55,000	0	175,000
Financing Plan Total	245,000	70,000	80,000	0	0	40,000	0	0	0	0	55,000	0	175,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for outyear system upgrade or replacement.

### PROJECT DESCRIPTION & JUSTIFICATION

The project funds will be used to perform a major system upgrade or identify a system replacement for the enterprise time and attendance software. The funding for this project has been programmed to ensure the enterprise time and attendance application remains viable and is compatible with the City’s overall technology environment. Continued analysis will be performed to ensure the system is compatible with the Enterprise Resource Planning application. The current application has been in use for 10 plus years.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## CUSTOMER RELATIONSHIP MANAGEMENT SYSTEM

DOCUMENT SUBSECTION: Public Access Development  
 MANAGING DEPARTMENT: Department of Emergency and Customer Communications

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

Customer Relationship Management System													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	1,725,000	1,725,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	1,525,000	1,525,000	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	125,000	125,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	75,000	75,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	1,725,000	1,725,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding reduced in FY 2029.

### PROJECT DESCRIPTION & JUSTIFICATION

The goal of the Customer Relationship Management System (CRM) is to provide a central coordination of requests for service from the public and other external stakeholders. This is a City-wide effort to meet customers' expectations by connecting them to information, services and solutions. Current work on the Alex311 project is being managed by an interdepartmental team, with representation from DECC, the City Manager's Office, Information Technology Services, the Office of Communications and Public Information, and the departments with the highest volume of customer requests. The Alex311 team will be the front line of assistance for all customer service requests, inquiries, complaints and commendations.

To support the 311 customer service efforts the City has purchased new customer relationship management software to manage our relationships with customers by tracking requests, actions and communications. The City's new CRM solution (replacing Call-Click-Connect) was launched in February 2020. New and enhanced capabilities such as a knowledge base of commonly asked questions, custom response templates, collaboration tools, GIS data, and integrations with other city enterprise systems will be available to help staff provide efficient and accurate customer service. Expansive reporting capabilities are also built into this new software which will allow the Alex311 team to gauge how well we meet customer service goals.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## ELECTRONIC GOVERNMENT/WEB PAGE

DOCUMENT SUBSECTION: Public Access Development  
 MANAGING DEPARTMENT: Information Technology Services Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

Electronic Government/Web Page													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	2,338,196	1,618,196	60,000	160,000	50,000	250,000	50,000	50,000	50,000	50,000	0	0	720,000
Financing Plan													
Cash Capital	2,113,196	1,393,196	60,000	160,000	50,000	250,000	50,000	50,000	50,000	50,000	0	0	720,000
GO Bond Interest Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	125,000	125,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	2,338,196	1,618,196	60,000	160,000	50,000	250,000	50,000	50,000	50,000	50,000	0	0	720,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Ten year funding plan increased by \$35,000.

### PROJECT DESCRIPTION & JUSTIFICATION

The E-Government project includes enhancements to, and applications for, the City of Alexandria’s public website, [www.alexandriava.gov](http://www.alexandriava.gov), related sites and various technology innovation initiatives in the City to benefit both the general public and City employees. The current major initiative is the replacement of the City’s Content Management System (CMS) which runs both the City’s public facing website and its internal Intranet. Work includes enhancements to both in design and functionality of the sites and the identification and implementation of new on-line services to further expand the public’s and City employees’ digital experience. This work will result in website that is more easily edited, and whose front page is more engaging and has a higher value content shared with page visitors at the initial point of entry.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## AJIS SYSTEM

DOCUMENT SUBSECTION: Public Safety Systems

PROJECT LOCATION: Judges Chamber, 4th Floor  
 Courthouse 520 King St.  
 Alexandria, VA 22314

MANAGING DEPARTMENT: Circuit Court

REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient  
 Community

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: Varies

AJIS System													
	A (B + M) Total Budget & Financing	B Through 2020	C FY 2021	D FY 2022	E FY 2023	F FY 2024	G FY 2025	H FY 2026	I FY 2027	J FY 2028	K FY 2029	L FY 2030	M (C:L) Total FY 2021 - FY 2030
Expenditure Budget	17,188,013	3,512,893	6,593,120	3,368,000	1,838,000	268,000	268,000	268,000	268,000	268,000	268,000	268,000	13,675,120
Financing Plan													
Cash Capital	16,879,011	3,203,891	6,593,120	3,368,000	1,838,000	268,000	268,000	268,000	268,000	268,000	268,000	268,000	13,675,120
GO Bonds	309,002	309,002	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	17,188,013	3,512,893	6,593,120	3,368,000	1,838,000	268,000	268,000	268,000	268,000	268,000	268,000	268,000	13,675,120
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Alexandria Justice Information System (AJIS) provides multiple City agencies and the law enforcement community with access to civil, criminal court and inmate management data, mug shots, documents, and reports. Users depend on AJIS to provide mission-critical judicial and jail management information. AJIS interfaces with other systems to furnish data to other local, regional, and national law enforcement agencies. The AJIS system is critically important to the entire judicial process for the City.

The AJIS system is beyond the end of its useful life and needs to be replaced. Continuing maintenance is becoming a challenge, making this a high priority project. In FY 2020, staff defined system needs, analyzed available products, and determined the additional budgetary needs that would be required to replace AJIS. During this process an in-depth third party assessment was conducted, and the stakeholders determined the best option was to use the state’s court system and identify the needed technology for judicial processes and jail management. The project funding (of \$13.7 million) will include contracting assistance that will be required throughout the multi-year implementation to assist with requirements gathering, system acquisition and implementation. Estimated funding request for system is based on third-party expertise and market research.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## COMPUTER AIDED DISPATCH (CAD) SYSTEM REPLACEMENT

DOCUMENT SUBSECTION: Public Safety Systems  
 MANAGING DEPARTMENT: Department of Emergency Communications

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 11 - 15 Years

Computer Aided Dispatch (CAD) System Replacement													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	23,375,500	16,375,500	300,000	0	0	0	6,700,000	0	0	0	0	0	7,000,000
Financing Plan													
Cash Capital	6,876,400	5,716,500	300,000	0	0	0	859,900	0	0	0	0	0	1,159,900
GO Bonds	16,184,100	10,344,000	0	0	0	0	5,840,100	0	0	0	0	0	5,840,100
Prior Year CIP/Close-Out	315,000	315,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0
Financing Plan Total	23,375,500	16,375,500	300,000	0	0	0	6,700,000	0	0	0	0	0	7,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Funding added for outyear system upgrade or replacement.

### PROJECT DESCRIPTION & JUSTIFICATION

This project funds ongoing improvements to the City's state-of-the-art Computer Aided Dispatch (CAD) system that meets the consolidated requirements of the Department of Emergency Communications (DEC), Alexandria Police, Alexandria Fire, and Alexandria Sheriff's Office. This system provides reliable and assured response to the region while performing mission-critical public safety functions.

In FY 2013, the City of Alexandria initiated a project for the design, implementation and support of a Computer Aided Dispatch (CAD) System for Law Enforcement and Fire/EMS with an integrated Mobile Data client (Mobile), Law Enforcement Records Management System (RMS) and Electronic Patient care reporting (ePCR) System. In January 2015, the City successfully deployed several critical components of the system that best met its functional, technical and integration requirements in a cost-effective manner. In April 2017, the Police Records Management (RMS) and Field Based Reporting (FBR) systems went live. The City continues to work with vendors to implement critical system element (for Police RMS, CAD, and Fire/EMS). In FY 2018, the CAD governance committee approved using a portion of the project funds for the Police Department's eCitation pilot. In FY 2021, funding will be used to periodically replace the CAD servers, which supports the essential functions of the CAD and mapping server. Because these systems are never turned off and must function (and be redundant) 24 hours a day and 7 days a week, replacements must be made to hardware to support the long-term maintenance of the CAD project. Additional funds were placed in the out years to develop a roadmap for the system refresh or replacement of the entire CAD system architecture and related systems. Staff will also work with consultants to analyze the current industry roadmap on next-gen CAD technologies.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## COURTROOM TRIAL PRESENTATION TECHNOLOGY

DOCUMENT SUBSECTION: Public Safety Systems

PROJECT LOCATION: Circuit Court Judges Chambers  
Franklin P. Backus Courthouse  
520 King Street, 4th Floor  
Alexandria, VA 22314

MANAGING DEPARTMENT: Information Technology Services  
Department

REPORTING AREA: Old Town

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient  
Community

PROJECT CATEGORY: IT Plan  
ESTIMATE USEFUL LIFE: Varies

Courtroom Trial Presentation Technology													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	732,500	307,500	100,000	0	100,000	0	0	100,000	100,000	25,000	0	0	425,000
Financing Plan Cash Capital	732,500	307,500	100,000	0	100,000	0	0	100,000	100,000	25,000	0	0	425,000
Financing Plan Total	732,500	307,500	100,000	0	100,000	0	0	100,000	100,000	25,000	0	0	425,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

For the past decade, the use of electronic presentation technology in courtrooms has become a widely accepted and successful practice throughout the judicial system, and is currently in use in Fairfax, Arlington and Prince William Counties. The Alexandria Circuit Court has three courtrooms that are used for various court proceedings including jury trials, bench trials, motions, and hearings.

This project provides funding for Courtroom Trial Presentation Technology that will provide citizens, the Commonwealth Attorneys, Public Defenders, private attorneys and litigants a more modern and convenient way to present evidence during court proceedings. In addition, the courtrooms are utilized by City departments and agencies such as the Court Service Unit for their court-ordered parenting classes (FOCUS); the Alexandria Bar Association for their continuing legal education seminars; and the Sheriff’s Office for their swearing-in ceremonies and occasional training sessions. The upgrades also enable video conferencing technology, which allows witnesses and inmates to testify at trial without being physically present in the courtroom.

This is a multi-year project, which will be completed in phases, where several courtrooms are getting technology refreshes of electronic presentation systems and audio video (A/V) equipment.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

ADDITIONAL OPERATING IMPACTS

N/A

No additional operating impacts identified at this time.

## FIRE DEPARTMENT RMS

DOCUMENT SUBSECTION: Public Safety Systems  
 MANAGING DEPARTMENT: Alexandria Fire Department

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide  
 PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 11 - 15 Years

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

Fire Dept RMS													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	357,500	0	50,000	307,500	0	0	0	0	0	0	0	0	357,500
Financing Plan													
Cash Capital	357,500	0	50,000	307,500	0	0	0	0	0	0	0	0	357,500
Financing Plan Total	357,500	0	50,000	307,500	0	0	0	0	0	0	0	0	357,500
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

The Fire Records Management System (RMS) is an enterprise level application that supports all facets of the fire department operations and encompasses modules for human resource management, training, staffing, emergency incident reporting, billing, emergency preplanning, quality assurance, performance analysis, community outreach, and logistics. The systems are highly integrated and provide efficiencies of scale. In Fall 2016, the Department implemented a replacement system under a highly compressed timeline to meet mandatory NEMIS-3 compliance. The new vendor's EMS reporting minimally met the federal requirements; however, the Fire (NFIRS) reporting was unusable. The Department went back to the old NFIRS software which has been used since 2005. This software is approaching end-of-life and has incompatibilities with Windows 10. Therefore, the Fire Department needs to evaluate and replace the Fire Records Management System and ensure a seamless integration with the EMS Records Management System.

The Fire and EMS/RMS marketplace has been working since the 2016 federal standards to create new software that is both compliant with the NEMIS-3 standards and can provide one source for data sharing and analysis. In FY 2021, Fire Department staff will engage a consultant to identify and scope project costs. In FY 2022, the Fire Department intends to replace the RMS with a comprehensive system and will provide refined costs for out years funding as needed.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## PARKING CITATION SYSTEM REPLACEMENT

DOCUMENT SUBSECTION: Public Safety Systems  
 MANAGING DEPARTMENT: Department of Finance

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 3: Well-Managed Government

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years/ (Hardware is less)

Parking Citation System Replacement													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	530,000	0	530,000	0	0	0	0	0	0	0	0	0	530,000
Financing Plan													
Cash Capital	530,000	0	530,000	0	0	0	0	0	0	0	0	0	530,000
Financing Plan Total	530,000	0	530,000	0	0	0	0	0	0	0	0	0	530,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

New project added to FY 2021 – FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project funds the parking citation system which includes parking citation issuance devices, citation processing, collections, online management of parking citation accounts receivables, and reconciliation reporting. The current contract will soon expire, and the system will need to be replaced. Funding in FY 2021 provides for a replacement system that would be used citywide for parking enforcement but would be particularly focused in areas with metered parking and residential parking restrictions such as Old Town and Carlyle. The project is mainly for the procurement of an internal enforcement and citation management system to be administered by the Alexandria Police Department (APD) and Finance. City staff anticipate that an outside vendor would provide the entire solution that would be implemented for the City.

The scope of the implementation will be to provide a turnkey parking citation processing system and software hosting solution. The new system will provide all of the current services including citation issuance, citation processing, accounts receivables, and collections with reporting flexibility.

### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

## RADIO SYSTEM UPGRADE

DOCUMENT SUBSECTION: Public Safety Systems  
 MANAGING DEPARTMENT: Department of Emergency Communications

PROJECT LOCATION: Citywide  
 REPORTING AREA: Citywide

PRIMARY STRATEGIC THEME: Theme 4: Safe & Resilient Community

PROJECT CATEGORY: IT Plan  
 ESTIMATE USEFUL LIFE: 6 - 10 Years

Radio System Upgrade													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Total FY 2021 - FY 2030
Expenditure Budget	14,418,960	3,340,960	0	3,158,000	3,020,000	2,900,000	0	0	0	0	2,000,000	0	11,078,000
Financing Plan													
Cash Capital	14,418,960	3,340,960	0	3,158,000	3,020,000	2,900,000	0	0	0	0	2,000,000	0	11,078,000
Financing Plan Total	14,418,960	3,340,960	0	3,158,000	3,020,000	2,900,000	0	0	0	0	2,000,000	0	11,078,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

### CHANGES FROM PRIOR YEAR CIP

Project recosted, and the scope increased and defined, as part of the development of the Proposed FY 2021 - FY 2030 CIP.

### PROJECT DESCRIPTION & JUSTIFICATION

This project consists of several specific goals spread over multiple fiscal years that are needed to maintain the radio system's current level of reliability, to add features, and to ensure sufficient capacity for radio system users, and implement radio management best practices. The system is seeing capacity issues as the use by Alexandria City Public Schools (ACPS) has increased substantially.

Prior year funding was used to upgrade the core radio components and the 9-1-1 system recorder. The funds were also used to replace the backup power supply at the Masonic Temple, and to replace the air conditioning units. The encryption on the Police Department & Sheriff's Office radios was also upgraded. In FY 2021 work will continue on upgrading the radio system fiber network equipment. A third-party consultant assisted in providing a radio hardware replacement strategy which will be funded over 3 fiscal years from FY 2022 to FY 2024. These funds will allow for a replacement of the radios and associated infrastructure. A review of alternative communication technology for non-public safety radio users will also be conducted, as alternative technology may prove to be an effective lower cost solution.

#### EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

DHS Office of Emergency Communications, "Guidelines for Encryption in Land Mobile Radio Systems", September 2013;  
 National Capital Region Strategic Interoperable Encryption Plan, Approved by Police Chief's Committee April 28th, 2013;

#### ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### STATE CODE AND CITY CHARTER

#### State Code

Sec. 58.785.1: Requires that the local tax rate must be adopted by June 30, but after April 15.

#### City Charter

##### General Provisions

Sec. 3.04 (b): The City Council shall have the power to adopt the budget of the City.

Sec. 4.02 (c): The City Manager shall have the power and shall be required to prepare and submit the annual budget to the City Council as provided in the Charter, and shall be responsible for its administration.

Sec. 5.05 : Work programs, allotments. Before the beginning of the budget year, the head of each office, department or agency shall submit to the Director of Finance, at such time as may be set by him, a work program for the year, which program shall show the requested allotments of the appropriations for such office, department or agency, for such periods as may be designated by the City Manager, for the entire budget year. The City Manager shall review the requested allotments and may revise, alter or change such allotments Before approving the same. The aggregate of such allotments shall not exceed the total appropriation available to said office, department or agency for the budget year.

Sec. 5.06: Allotments constitute basis of expenditures and are subject to revision. The Director of Finance shall Authorize all expenditures for the offices, departments and agencies to be made from appropriations on the basis An approved allotments and not otherwise. An approved allotment may be revised during the budget year in the same manner as the original allotment was made. If, at any time during the budget year, the City Manager shall ascertain that the available income, plus balances, for the year will be less that the total appropriations, he shall Reconsider the work programs and allotments of the several offices, departments and agencies and revise the allotments so as to prevent the making of expenditures in excess of the said income.

Sec. 5.07: Transfer of appropriations. The City Manager may at any time transfer any unencumbered appropriation balance or portion thereof within the accounts of an office, department or agency. The Council when advised of The details by the City Manager may be duly docketed resolution transfer any unencumbered appropriation balance or portion thereof form one office, department or agency to another.  
(Acts 1968, ch. 510, Sec. 1)

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### CITY CHARTER

Sec. 6.03: Each department head, the judges of the courts, each board or commission, and any other office or agency supported by the City, is required to file with the City Manager, at the prescribed time, all estimates of revenue and expenditure for the ensuing fiscal year. Such estimates shall be submitted on forms furnished by the finance director and all information required by the City Manager is to be submitted thereon. The City Manager shall hold staff hearings to review and revise these estimates as (s)he may deem advisable.

Sec. 6.05: In no event shall the expenditures recommended by the City Manager in the general budget exceed the receipts estimated, taking into account the estimated cash surplus or deficit at the end of the current fiscal year, unless property assessments have been raised or unless the City Manager shall recommend an increase in the rate of ad valorem taxes on real estate and tangible personal property or other new or increased taxes, licenses or other sources. Receipts from increased taxes, licenses or other sources shall be estimated on the basis of the average rate of increased collections during the preceding two fiscal years except in instances in which the City Manager submits, as a part of the budget, a written statement explaining any estimate that is made on some other basis. Receipts from new taxes, licenses or other sources shall be estimated on information available for other cities, the State of Virginia or other states, the federal government or other appropriate sources. If estimated receipts exceed estimated expenditures, the City Manager may recommend revisions in the tax, license or other ordinances of the City in order to bring the general fund budget into balance.

Sec. 6.08: The budget and budget message and all supporting schedules shall be a public record in the office of the City Manager, open to public inspection after the budget has been submitted to the Council and made public by it; provided, however, that no department or agency head, judge or board or commission, manager or director of finance shall divulge details of the proposed budget estimates until the budget has been submitted to the Council and made public by it.

Sec 6.08.1: The school board shall, prior to the time work has begun on the school budget, hold a public informational hearing to receive suggestions from the public concerning the school budget. The school board shall also hold a public hearing on its proposed budget prior to submitting it to the City Manager. The school board shall cause a notice of the time and place of each public hearing to be published in a newspaper of general circulation in the City at least seven days prior to the hearing. The school board shall also cause copies of the proposed budget to be available to the public at least seven days prior to the public hearing on the proposed budget. The school board may submit to the City Manager as its proposed budget the same proposed budget considered at the public hearing or it may, subsequent to said public hearing, submit a revised proposed budget.

#### **Responsibility of the City Manager for the Budget:**

Sec. 6.02: The City Manager is required to submit a general budget, a capital budget and an explanatory budget message in the form and with the contents provided by the Charter.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### CITY CHARTER

Sec. 6.04: The general budget shall contain:

- (a) An estimate of that portion of surplus cash remaining at the end of the fiscal year which is to be used in meeting expenditures in the general budget;
- (b) An estimate of receipts from current ad valorem taxes on real estate and personal property, and from all other sources;
- (c) A statement of debt service requirements;
- (d) An estimate of cash deficit, if any, at the end of the current fiscal year, and an estimate of obligations required by the Charter to be budgeted for the ensuing year; and,
- (e) An estimate of expenditures for all other purposes to be met in the coming fiscal year.

Sec. 6.05: In no event shall the expenditures recommended by the City Manager in the general budget exceed the receipts estimated, taking into account the estimated cash surplus or deficit at the end of the current fiscal year, unless property assessments have been raised or unless the City Manager shall recommend an increase in the rate of ad valorem taxes on real estate and tangible personal property or other new or increased taxes, licenses or other sources.

Sec. 6.06: The explanatory budget message shall contain an outline of the proposed financial policies of the City for the budget year and a description of the important features of the budget plan. Major policy changes are to be explained and reasons for salient changes in cost and revenue items from the previous year are to be indicated. A statement of pending capital projects and proposed new projects, with proposed financing plans, shall be included.

Sec. 6.07: At the same time that the City Manager submits a general budget (s)he may also submit a general appropriation ordinance and those additional tax ordinances as may be required to balance the Proposed budget.

Sec. 6.14: The capital budget is a budget of the proposed capital improvements projects for the ensuing fiscal year and for five years thereafter, with recommendations for financing the proposed improvements for the coming year.

Responsibility of the City Council for the Budget:

Sec. 6.09: At the meeting of the City Council at which the budget and budget message are submitted, the council shall determine the place and time (at least sixty days prior to the beginning of the budget year) of a public hearing on the budget, and shall publish a notice of said place and time, which shall not be less than seven days after the date of publication.

Sec. 6.10: All interested persons shall be given an opportunity to be heard at the public meeting for or against any of the estimates of any item of the budget.

## CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



## CITY CHARTER

Sec. 6.11: After the conclusion of the public hearing the City Council may insert new items of expenditure or may increase, decrease or strike out items of expenditure in the general fund budget, except that no items or expenditures for debt service or other provision of law shall be reduced or stricken out. The City Council shall adopt a balanced budget, or adopt measures for providing additional revenues in the case that expenditures exceed revenues.

Sec. 6.12: The budget shall be adopted by the votes of at least a majority of Council not later than the 27th day of June. If the City Council has not taken final action on or before this date, the budget as submitted shall be deemed to have been finally adopted by the Council.

Sec. 6.13: An appropriation in addition to those contained in the general appropriation ordinance, except for the purpose of meeting a public emergency as provided for elsewhere in this charter, may be made by the Council, by not less than a majority affirmative vote of all members of Council, only if there is available in the general fund a sum unencumbered and unappropriated sufficient to meet such appropriation.

Sec. 6.14: The City Council shall hold at least one public hearing on the capital budget and shall take final action not later than twenty days after June 27, the date prescribed for the adoption of the general budget.

Sec. 6.15: The City Council may establish by ordinance a reserve fund for permanent public improvements and may appropriate thereto any portion of the general fund cash surplus not otherwise appropriated at the close of the fiscal year.

## CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



## ORDINANCE 4291: ESTABLISHING THE BUDGET AND FISCAL AFFAIRS ADVISORY COMMITTEE (BFAAC)

### Ordinance 4291 - Adopted February 22, 2003,<sup>1</sup> Establishing the Budget and Fiscal Affairs Advisory Committee

AN ORDINANCE to amend Chapter 4 (COMMITTEES, BOARDS AND COMMISSIONS), of Title 2 (GENERAL GOVERNMENT) of The Code of the City of Alexandria, Virginia, 1981, as amended, by adding thereto a new Article R (BUDGET AND FISCAL AFFAIRS ADVISORY COMMITTEE).

THE CITY COUNCIL OF ALEXANDRIA HEREBY ORDAINS:

Section 1. That Chapter 4 of Title 2 of The Code of the City of Alexandria, Virginia, 1981, as amended, be, and the same is hereby, amended by adding thereto a new Article R to read as follows:

#### ARTICLE R

Budget and Fiscal Affairs Advisory Committee

Sec. 2-4-130 Creation, composition, organization and term.

(a) The Budget and Fiscal Affairs Advisory Committee initially established by Resolution No. 1464, is hereby established by ordinance and designated as a standing committee known as the Budget and Fiscal Affairs Advisory Committee.

(b) The members of the committee shall be appointed by the City Council as follows:

- (1) seven members, one each of whom shall be designated by the mayor and members of city council;
- (2) three members appointed at-large in accordance with the provisions of section 2-4-7 of this code;
- (3) one member designated by the Alexandria School Board; and
- (4) two members designated by the Alexandria Chamber of Commerce.

(c) The members designated by the mayor and members of city council, the school board, or the chamber of commerce shall serve at the pleasure of the mayor, member of council, school board or chamber of commerce designating such person, and any vacancies in such positions shall be filled in the same manner as the original appointment. Members appointed at large shall serve for a term of two years, and vacancies and reappointments shall be handled in the manner prescribed in section 2-4-7 of this code.

<sup>1</sup>The Budget and Fiscal Affairs Advisory Committee was established July 2, 1985, by Resolution 1129. Resolution 1464 amended Resolution 1129 by adding two representative of the Chamber of Commerce to the committee. Resolution 1129 has been replaced by Ordinance 4291 as a result of Council action on February 22, 2003.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### CITY ORDINANCE: ESTABLISHING BFAAC

(d) All members of the committee shall:

- (1) by virtue of their education and employment in the public or private sector, have demonstrated competence in one or more of the following areas: accounting, financial analysis, budget and fiscal management, public finance, or urban economics;
- (2) be residents of and residing in the City of Alexandria at the time of appointment and continue to do so during the term of their appointment. The provisions of section 2-4-7(d) notwithstanding, this provision may not be waived; and
- (3) not be (i) a member of any other board or commission having one or more members appointed by the city council, or (ii) an employee of the city, the school board, the Alexandria Chamber of Commerce, or any agency of any such entity or organization.
- (4) declare to the committee their position as an officer or director of any entity or organization, and abstain from discussing, participating or voting on any matter before the committee, that directly relates to any appropriation or grant made or awarded by or through the city to the entity or organization of which the member is an officer or director.

Sec. 2-4-131 Functions, powers and duties; staff assistance.

(a) The functions, powers and duties of the committee shall be to advise and support the city council as to:

- (1) an examination of the city's budget procedures and process and ways of improving such procedures and process, including participation by the public therein;
- (2) the forecasting of future revenue and expenditure requirements and the effect on the several taxes and fees levied by the city and burden of taxation imposed on Alexandria citizens and business organizations;
- (3) an evaluation of the comparative tax, revenue and expenditure levels in Alexandria with those in neighboring jurisdictions and the effect of such differences on the ability of Alexandria to attract new residents and economic development; and
- (4) such other tasks as may be requested by the city council.

(b) Except as expressly provided in this article, the committee may adopt rules and regulations in regard to procedure and other matters for the conduct of its business, so long as the same are not inconsistent with the city code, including, but not limited to, the establishment of committees through which it may carry on its functions, duties and purpose.

(c) Subject to the availability of funds and staff, and recognizing that the city manager must give priority attention to requests from the city council, the city manager is authorized to provide such staff or other assistance to the committee as requested, and to make such information available to the committee as is available to the public generally.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### CITY ORDINANCE: ESTABLISHING BFAAC

Section 2. That no provision of this ordinance shall be deemed to affect the appointments or terms of the members of the Budget and Fiscal Affairs Advisory Committee in office on the effective date hereof.

Section 3. That Resolution No. 1464 be, and the same hereby is, rescinded.

Section 4. That this ordinance shall become effective upon the date and at the time of its final passage.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### RESOLUTION 2914: SETTING GUIDANCE FOR THE FY 2021 BUDGET

#### RESOLUTION NO. 2914

#### Setting Guidance for FY 2021 General Fund Operating Budget and Capital Improvement Program for FY 2021 to FY 2030

**WHEREAS**, the City Council of Alexandria passed a resolution establishing Council's process for formulating the Operating Budget and the Capital Improvement Program (CIP) and requires that City Council set budget guidance for the City Manager and the School Board for the FY 2021 budget; and

**WHEREAS**, the City will seek input into the development of the FY 2021 budget; and

**WHEREAS**, the City Council's budget deliberations and annual spending decisions should reflect a balancing of the goals articulated in the adopted FY 2017 to FY 2022 City's Strategic Plan (the "Strategic Plan"); and

**WHEREAS**, those services directly supporting the achievement of the City's strategic goals are considered for funding support; and

**WHEREAS**, the City Council is committed to continuously improving the efficiency and effectiveness of City government and expects the City Manager, City staff and all organizations that receive City budget dollars to focus on achieving service outcomes and providing programs that benefit the community and its residents; and

**WHEREAS**, the City Council is committed to continue providing core services expected of a municipal government including the provision and maintenance of the City's facilities and capital infrastructure; and

**WHEREAS**, the City Council will make budgetary changes that support the City's 'AAA'/'Aaa' bond ratings; and

**WHEREAS**, the City Council acknowledges that the resources required to achieve the goals of the Strategic Plan and various other adopted strategic plans and master plans must be balanced with the tax responsibility placed upon residents and businesses; and

**WHEREAS**, the City Council recognizes the need to measure the impact of programs and lines of business against expected outcomes, to deemphasize or eliminate programs that do not yield those outcomes desired, and to identify efficiencies wherever possible, to utilize Priority Based Budgeting to assist in setting budget priorities and funding level; and

**WHEREAS**, the City Council desires to emphasize a multi-year perspective for fiscal planning; and

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF ALEXANDRIA THE FOLLOWING:**

(a) **Operating and Capital Improvement Program Expenditures:** The City Manager may propose for Council consideration, increases in operating and capital project expenditures including compensation adjustments so long as any increased operating or capital project expense can be demonstrated as necessary to meet the strategic goals and outcomes of the City, and/or can be demonstrated to diminish a specific risk to the community. Likewise, the City Manager may propose decreases in operating and capital project expenditures provided the decrease can be demonstrated to be of lesser utility in achieving the goals and objectives of the City's Strategic Plan, master plans, and other City adopted plans. An appropriate source, or sources, of revenue, compliant with applicable laws regarding revenue sources as established by the Code of Virginia, must be identified for all proposed operating and capital project expenditures.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### RESOLUTION 2914: SETTING GUIDANCE FOR THE FY 2021 BUDGET

(b) **Two-Year Presentation of Operating Revenue/Expenditures:** The City Manager's proposed Operating Budget shall include estimates of all operating revenues and expenditures for the proposed Fiscal Year 2021 and the subsequent Fiscal Year 2022.

(c) **Taxes, Fees, Fines and Service Charges:** In funding the proposed budget, the City Manager may consider changes to tax rates, tax designations/reservations, fees/fines/service charges that are equitable, fair and administratively feasible provided that these proposals are observant of the constraints imposed by the Code of Virginia. Such changes can only be considered where they advance the priorities of the Council as stipulated in this resolution, through Legislative Sessions, adopted master plans and policies, or the Council Retreat and Work Sessions.

(d) **Cost Saving Measures:** The City Manager shall continually identify and propose cost saving measures and efficiencies in all City operations and consider reduction of service levels where the performance exceeds the level required by the community, where the current level of service is not a strategic priority, or where performance, over time, has not achieved the desired outcomes.

(e) **Use of Surplus:** The City Manager will recommend use of prior-year surplus funds first to ensure that the Capital Improvement Program includes sufficient cash capital funding, then to address one-time or manageable ongoing costs that positively impact expected goals.

(f) **CIP:** The proposed FY 2021 through 2030 CIP shall incorporate the following:

1. Compliance with the City's adopted Debt Related Financial Policy Guidelines for any debt issuance planned for FY 2021 through FY 2030;
2. Consistency with the City's adopted cash capital investment policy of a General Fund cash capital transfer of no less than 2.0% with the goal of funding the FY 2021 General Fund cash capital reflected at least at the level in the current adopted CIP;
3. The optional use, as determined by the City Manager, of an additional General Fund operating budget surplus from FY 2020, if any, as commitment for capital projects in FY 2021 and beyond;
4. Specific descriptions of projects that can be funded within recommended levels of funding, their associated operating costs, estimated for all years of the CIP, and a description of the criteria used to prioritize the projects as recommended by the Budget and Fiscal Affairs Advisory Committee (BFAAC);
5. Proposed funding for City and ACPS facility projects based in part on the recommendations of the Ad Hoc Joint City-Schools Facility Investment Task Force.

(g) **ACPS Funding:** That (1) the City Manager shall recommend for transfer to the Alexandria City Public Schools operating funding within a range of amounts, with the low end of the range being an appropriation equal to the amount approved by City Council for FY 2020 plus the overall General Fund FY 2021 revenue rate of growth and the high end of the range being the low end amount plus the cost of FY 2021 increased enrollment, (2) the Alexandria City Public Schools is requested by City Council to articulate in general categories and prioritize any City FY 2021 appropriation requests above the low end of the range, (3) the City Manager shall develop options for potential funding of proposed public school capital needs for the FY 2021 through FY 2030 time period taking under advisement the recommendations of the Ad Hoc Joint City-Schools Facility Investment Task Force, and (4) the City Manager shall recommend ACPS capital project debt service in the FY 2021 proposed budget and include such amount as an separate element of the total recommended FY 2021 budget for the ACPS.

# CITY OF ALEXANDRIA, VIRGINIA

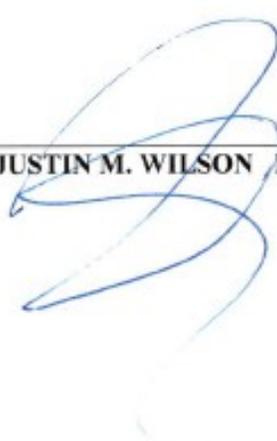
## Legislative References



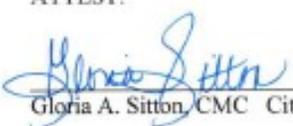
### RESOLUTION 2914: SETTING GUIDANCE FOR THE FY 2021 BUDGET

(h) **Outside Agencies:** Organizations outside the City government that receive funding support from the City must demonstrate an alignment of their efforts with accomplishments of the City's strategic objectives. In cases where there is discretion over the level of funding, organizations external to the City government must demonstrate the purpose, benefits outcomes, and consequence of City funding.

Adopted: November 12, 2019

  
JUSTIN M. WILSON, MAYOR

ATTEST:

  
Gloria A. Sitton, CMC City Clerk

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### RESOLUTION 2915: ESTABLISHING THE PROCESS TO BE USED FOR FY 2021 BUDGET ADOPTION

#### RESOLUTION NO. 2915

#### **Budget Resolution Establishing the Process to be Used to Adopt the FY 2021 Operating Budget and the FY 2021 to FY 2030 Capital Improvement Program**

**WHEREAS**, the Alexandria City Council wishes to establish policies to guide upcoming budget deliberations to ensure responsible actions with current economic resources; and

**WHEREAS**, resolutions No. 2088, 2150, 2166, 2256, 2368, 2587, 2653, 2747, 2796 and 2858 previously adopted by City Council have now expired, or will soon expire; and

**WHEREAS**, City Council believes that flexibility is needed for both the preparation and evaluation of expense items as well as with regard to diversifying the sources of revenue available to fund the General Fund Operating Budget; and

**WHEREAS**, City Council's deliberations on the budget each year reflect a balancing of the needs of the community with the community's ability to afford services to meet those needs; and

**WHEREAS**, City Council desires to provide the core services expected of a municipal government and to continue to provide quality services and facilities for the residents and businesses of Alexandria, but understands that economic reality will require significant trade-offs between services and revenues; and

**WHEREAS**, City Council is committed to managing the cost of City General Fund operating and capital expenditures in order to properly balance the tax burden placed on the community; and

**WHEREAS**, City Council is committed to achieving the vision and strategic goals, long term outcomes, objectives, and initiatives as outlined in the City Council's Strategic Plan; and

**WHEREAS**, City Council desires to allow for a thoughtful and deliberate budget process given the budget's complexity and importance; and

**NOW, THEREFORE, BE IT RESOLVED** by the Council of the City of Alexandria, Virginia, that the Council shall, for the purposes of consideration of the Budget for the City of Alexandria, adopt this resolution and adhere to the following rules of procedure:

#### **Section (a) The City Manager's Budget Submission to City Council and the Setting of Budget Guidance by City Council**

(1) That the City Manager shall plan and prepare the proposed Operating Budget and proposed ten-year Capital Improvement Program and that such preparations shall include those programs and resources necessary to achieve the City Council Strategic Plan.

(2) That the City Manager shall present to City Council a preliminary forecast and outlook for (a) revenues and (b) expenditures necessary to maintain existing services and policies (including the City Manager's forecast of cash capital and debt service costs related to the most recently approved Capital Improvement Program).

(3) That City Council shall direct that the City Manager prepare a budget resolution to be adopted by City Council to guide the preparation of the upcoming Operating Budget and next Capital Improvement Program.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### RESOLUTION 2915: ESTABLISHING THE PROCESS TO BE USED FOR FY 2021 BUDGET ADOPTION

(4) That the City Manager shall submit a proposed Operating Budget and Capital Improvement Program to the City. Such budget shall meet any guidance for General Fund revenues and expenditures established by City Council and should include no more than one percent of unreserved fund balance.

#### **Section (b) The Budget Submission to City Council by the Alexandria Public Schools (ACPS)**

(5) That the Alexandria City School System (ACPS) shall separately present to City Council, but in a format coordinated with the City Manager, its preliminary forecast and outlook for (a) expenditures necessary to maintain appropriate services and policies, (b) the outlook for additional requests for Schools operating in the upcoming fiscal year and capital needs through the upcoming fiscal year and the succeeding 9 years, (c) projected ACPS capital related debt service for the upcoming fiscal year, (d) the outlook for possible budget reductions and increases in fees, fines and charges for services, (e) the outlook for Federal and State grants, and the costs of meeting unfunded Federal and State mandates, both current mandates and projected new mandates.

(6) That the Board of the Alexandria City Public Schools is requested to adopt a Capital Improvement Program no later than December 19, 2019 and an Operating Budget no later than February 20, 2020 so that any request may be considered by City Council in parallel with the City Manager's proposed operating budget and Capital Improvement Program. If the ACPS budget request exceeds or otherwise does not comply with any guidance regarding fiscal limitation provided by City Council to ACPS, then ACPS shall clearly identify what operating programs and activities would be funded if additional funding were provided.

#### **Section (c) Actions of City Council Concerning The Budget Submissions of the City Manager and the Alexandria Public Schools (ACPS)**

(7) That as part of a preliminary forecast of assessments and expenditures provided by the City Manager, City Council will consider this information and any other relevant information available to it at that time including the comments of residents provided via a public hearing or other public input opportunities.

(8) That the Council shall hold a budget public hearing on the City Manager's proposed budget in the month following the budget submission by the City Manager and should reserve time for public comment at the scheduled April Public Hearing once the Preliminary Add/Delete list of City Council Budget Proposals and technical adjustments by the Office of Management and Budget has become available and distributed to the community. Any additional public hearing shall not conflict with or serve in place of a public hearing regarding the establishment of an effective tax rate as required by the Code of Virginia.

(9) That Council directs City staff to organize at least one public meeting outside of City Hall to present the budget to interested residents and solicit input. Additionally, City staff shall provide an opportunity for residents and organizations to submit written budget comments to the Council in lieu of or in addition to participation in public meetings.

(10) That Council directs City staff to prepare motions for adoption of the Operating Budget and Capital Improvement Program and a summary of decisions made in the Final Add/Delete worksession following the worksession. Those motions and the summary of final decisions shall be released for public review no later than 24 hours prior to the scheduled adoption.

(11) That City Council shall consider these proposals and endeavor to enact an Operating Budget and Capital Improvement Program that balance the needs of the community with the community's desire and ability to pay for services to meet those needs.

(12) That City Council plans to adopt such a budget resolution.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### RESOLUTION 2915: ESTABLISHING THE PROCESS TO BE USED FOR FY 2021 BUDGET ADOPTION

#### **Section (d) Proposed Budget for the City of Alexandria**

(13) For purposes of this resolution, the proposed budget of revenue rates and expenditure levels for the fiscal year shall be that proposed by the City Manager.

(14) For purposes of this resolution, the Office of Management and Budget shall provide revenue and/or expenditure projections for any motion or amendment that could affect the proposed budget specified in Section (a) (2).

#### **Section (e) Maximum Expenditure Levels May Not Exceed Sum of Projected Revenue and Appropriation from Fund Balance in Proposed Budget**

(15) It shall not be in order in the Alexandria City Council to consider any motion or amendment to the proposed budget of the City of Alexandria if:

(i) there has not been a Budget Memo or formal information request submitted that relates to the specific item proposed for consideration or a Council discussion of the proposal during a budget work-session or public hearing has not occurred; and

(ii) any such motion or amendment that has the effect of increasing any specific budget expenditures proposed by the City Manager or would have the effect of reducing any specific revenue proposed by the City Manager unless such motion or amendment provides for a specific offset of either expenditure or revenue and ensures the maintenance of the fiscal balance of the proposed budget; and

(iii) such motion or amendment is not provided in the form of a City Council budget proposal submitted to the Office of Management and Budget (OMB) or an OMB technical adjustment at least 13 days prior to the adoption of the budget in accordance with the FY 2021 Rules of Engagement for the Add/Delete Process.

(16) In the Alexandria City Council, any appropriation from the Fund Balance or any like account beyond that proposed in the Manager's proposed budget shall require an affirmative vote of five Council Members.

#### **Section (f) Actions of City Council Concerning the Add/Delete Process**

(17) The City Council shall adhere to the following Add/Delete Rules of Engagement for amending and adopting the final budget. These Rules of Engagement were first adopted for use during the FY 2016 budget process and continued in each of the subsequent budget processes:

(i) Continue use of the add/delete spreadsheet that was produced by OMB prior to the FY 2016 budget process and reintroduced in the FY 2017 budget process.

(ii) A City Council Budget Proposal form will be required in order to add or delete anything from the City Manager's Proposed Budget. The form will require the following prior to Council consideration:

1. Additional information related to how the change advances the Council's goals/priorities.
2. Additional information related to how the change impacts the performance of that program, service or goal.
3. The support of at least 3 of 7 Council members (the original sponsor and two co-sponsors).

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### RESOLUTION 2915: ESTABLISHING THE PROCESS TO BE USED FOR FY 2021 BUDGET ADOPTION

4. Must be accompanied by an add/delete spreadsheet prepared by the Council member or OMB in which the sum of the individual Council member's adds and deletes, including the items originally sponsored by that member and those co-sponsored by that member, are in balance or produce a revenue surplus.

5. Any add/delete proposal requiring a change to a City Ordinance or requiring a new ordinance must be submitted to staff eight days prior to the first legislative meeting in April in order for the item to be introduced and docketed for the April public hearing [For FY 2021, April 6]

(iii) The completed City Council Budget Proposal form must be returned to the Office of Management & Budget (OMB), with each of the steps from #2 above completed, at least 13 days prior to the adoption of the budget [for FY 2021, April 16].

(iv) City Council will hold a second budget public hearing to receive feedback on the preliminary add/delete items submitted by City Council Members [for FY 2021, April 18]

(v) A combined list of all City Council Budget Proposals that meet the criteria in #2, any technical adjustments from OMB, and any City Manager recommended changes, will be provided and discussed at a City Council Meeting [for FY 2021, April 21].

(vi) Council will work with OMB to refine/develop funding figures based on the proposals submitted, to be completed 7 days prior to budget adoption [for FY 2021, April 22].

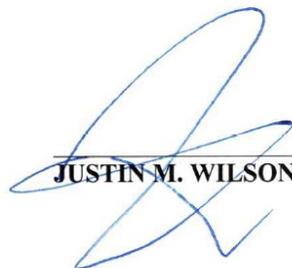
(vii) Completed Council Budget Proposals, with funding, will be circulated to Council and the public the Friday prior to budget adoption [for FY 2021, April 24].

(viii) City Council will be required to keep the budget in balance once all decisions are made.

(ix) Budget Adoption will occur on April 29, 2020 with all City Council Budget Proposals, those approved and those not approved, made public upon adoption of the budget.

**Section (g) Expiration – The provisions of this resolution shall expire on June 30, 2020.**

Adopted: November 12, 2019

  
 JUSTIN M. WILSON MAYOR

ATTEST:

  
 Gloria A. Sitton, CMC City Clerk

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### REDUCTION IN FORCE (RIF) ADMINISTRATIVE REGULATION 6-22

**Supersedes:**

A.R. 6-22 dated January 18, 2012

**Title:**

Reduction in Force

**Number:** 6-22

Effective Date: February 20, 2014

**Related Documents:**

Sections: I-XIII

**Policy Comparison**

Chapter: Human Resources

**I. AUTHORITY**

The authority for this Administrative Regulation is contained in the City Charter and City Code sections authorizing the City Manager to establish administrative procedures for the direction, supervision and coordination of personnel within the administrative branch of City government.

**II. PURPOSE**

This Administrative Regulation establishes the policy and procedure for the conduct of a Reduction-in-Force (RIF) of the employees of the City of Alexandria.

**III. POLICY**

- A. The City of Alexandria will implement a Reduction-in-Force only when such action is required by an identified service reduction. A service reduction may be the result:
  1. A policy decision by the City Council or City Manager,
  2. A change in a work program or service within a department,
  3. A technological change or advancement that impacts work force needs, or
  4. A funding shortfall.
- B. A Reduction-in-Force is to be accomplished in a way which will reduce adverse effects on employees to the greatest extent which is reasonable under the circumstances, and in a manner consistent with the City's commitment to diversity.
- C. Regular full and part-time employees are covered by this procedure. Employees who are temporary, seasonal, state, independent contractors and grant-funded employees whose term or funds have expired are not covered by these procedures.

**IV. REDUCTION IN FORCE PROCEDURE**

- A. Department Head will recommend to the Human Resources Director the specific positions to be eliminated.
- B. The Human Resources Director, in concert with the Director of Management and Budget, will forward recommendations with appropriate comments to the City Manager.
- C. Upon the approval of the City Manager, the Human Resources Director will be responsible for the implementation of the Reduction-in-Force order.
- D. The following procedures will be followed unless an exception is made by the City Manager:
  1. Upon receipt of the determination by the City Manager to implement the Reduction-in-Force, the Human Resources Director will place on hold current advertising and selection for positions or job classes indicated in the RIF order.
  2. The Human Resources Director will issue a written separation notice to employees affected by a RIF as soon as practicable upon receipt of the RIF order but at least thirty (30) days prior to separation.
  3. Human Resources staff must assist employees subject to a RIF to apply for positions which are vacant and approved for hire by the Office of Management and Budget. The ability of the employee to perform the work assignment will be assessed in the application process.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### REDUCTION IN FORCE (RIF) ADMINISTRATIVE REGULATION 6-22

4. The separation of regular employees will be initiated, if necessary, to complete the Reduction-in-Force.
5. Separated employees will be placed on the Recall List by job classification and seniority for a one-year period.
6. Regular employees separated under a RIF, including those who elect to retire, must be paid accumulated annual leave and compensatory time, and severance pay and accumulated sick leave based on the years of service as defined in the table below:

COMPLETED YEARS OF SERVICE	PERCENTAGE OF SICK LEAVE PAYOUT	WEEKS OF SEVERANCE PAY
0 to 5	5%	2 weeks pay
6 to 10	10%	3 weeks pay
11 to 15	15%	4 weeks pay
16 to 19	20%	5 weeks pay
20 or more	25%	6 weeks pay

7. Vacant positions will be filled based on job classification and then seniority during the recall period when a vacant positions job classification is the same as the employees on the recall list.
  - a. A recalled employee must possess the necessary skills and experience to perform the duties of the vacancy and be interviewed prior to being recalled.
  - b. Any employee separated and placed on a Recall List will be responsible for notifying the City Human Resources Department of any change in address or telephone number.
  - c. Employees on a recall list will be notified to return to work by registered mail.
  - d. Any employee who fails to respond to a recall opportunity within ten working days following receipt of notification will forfeit recall rights.
  - e. An employee who is recalled will be removed from the recall list.
  - f. Separated employees who are recalled must be restored to regular employment at the same annual salary that was in place at the time of separation, and will be subjected to a new one-year probationary period.
  - g. All employees who are recalled are subject to [AR 6-18, Attendance and Leave](#).
8. Separated employees who seek a City position in a classification other than the class previously employed will be given priority consideration provided they apply and are qualified. Reemployed employees are:
  - a. Provided an annual salary in accordance with [AR 6-13, Eligibility and Determination of Pay Adjustments](#).
  - b. Subject to a new one-year probationary period.
  - c. All employees who are recalled are subject to [AR 6-18, Attendance and Leave](#).

#### V. UNEMPLOYMENT COMPENSATION

Individuals who are laid off under this Administrative Regulation shall be entitled to unemployment compensation as provided by the Code of the Commonwealth of Virginia.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### REDUCTION IN FORCE (RIF) ADMINISTRATIVE REGULATION 6-22

#### VI. APPEAL

Any employee who believes that the City did not follow the prescribed RIF process as specified in this Administrative Regulation shall have access to an administrative hearing with the Director of Human Resources, utilizing the procedure contained in AR 6-20, Discipline of Employees. A Reduction-in-Force implemented under this Reduction-in-Force regulation is not grievable pursuant to AR 6-21, Grievance Procedures, (IV)(B)(6).

A handwritten signature in black ink, appearing to read "Rashad M. Young".

Rashad M. Young  
City Manager

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### CITY FINANCIAL POLICIES

#### Debt Related Financial Policies—Debt Ratios

City Council passed a set of debt-related financial policies on June 9, 1987. During FY 1998, the Budget and Fiscal Affairs Advisory Committee (BFAAC), a City Council appointed citizen committee, analyzed these debt-related financial policies, and examined the City’s financial condition in comparison to other jurisdictions with superior credit ratings (other double-triple A rated jurisdictions). The BFAAC and the City Manager recommended that City Council reaffirm the updated debt-related financial policies, incorporating BFAAC’s recommended updates to the policies to establish a consistent set of appropriate relationships between debt targets and limits. Because three of the six debt indicators measure the debt capacity of the City in relation to the size of the City and its economy, BFAAC recommended that these indicators should not produce debt capacity limits that vary greatly from each other. Note the terminology has been updated to reflect required changes to government accounting rules.

City Council reaffirmed its commitment to sound financial management and adopted the updated debt-related financial policies on December 9, 1997. City Council amended the policies on October 26, 1999, to allow priority consideration for an increase in the assignment of fund balance for capital project funding. On June 24, 2008, City Council revised the target and limit upward reflecting the ratio of debt as a percentage of total personal income.

On May 4, 2017, City Council amended the Debt Related Financial Policies to recognize the self-supporting nature of the City’s sewer-related debt and to increase ratios to better balance the City’s ability to pay for increased capital investment needs with the need to maintain the City’s top AAA/Aaa bond ratings.

These updated polices are as follows:

Debt as a Percentage of Fair Market Real Property Value	
Target	Limit
Set by CIP	2.50%

This ratio indicates the relationship between the City’s debt and the full value of real property in the City as assessed annually at fair market value. It is an important indicator of the City’s ability to repay debt because real property taxes are the primary source of the City’s revenues used to repay debt. A small ratio is an indication that the City will be better able to withstand possible future economic downturns and continue to meet its debt obligations.

Debt Service as a Percentage of General Government Expenditures	
Target	Limit
Set by CIP	12.00%

This ratio is a measure of the City’s ability to repay debt without hampering other City services. A small ratio indicates a lesser burden on the City’s operating budget.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### CITY FINANCIAL POLICIES

#### Payout Ratio for Outstanding Debt

10-Year Debt Payout Ratio	
Target	Limit
65.00%	50.00%

The repayment structure for the City’s tax supported, General Fund debt will reflect a strategy of paying off outstanding debt at a rate of 50 percent in the first 10 years, with a target repayment rate of 65 percent. Excluded from this measure would be major capital projects where the life span of the project will likely substantially exceed a 20-year repayment time period.

Spendable General Fund Balance as a Percentage of General Fund Revenue	
Target	Limit
15.0%	Undefined
Unrestricted Net Assets as a Percentage of General Revenues	
Target	Limit
5.5%	4.0%

These ratios indicate the ability of the City to cope with unexpected financial problems or emergencies. The Spendable General Fund Balance represents the funds legally available to the City. It is desirable that the City maintain a Spendable General Fund Balance target of 15 percent. The Spendable Fund Balance includes Commitments that are established by City Council and Assignments that are established by the City Manager. Uses of Fund Balance in either classification can be changed to address unexpected, one-time needs. Net assets correspond to stockholders’ equity for publicly traded companies. The larger the Spendable General Fund Balance or unrestricted net assets, the greater the City’s ability to cope with financial emergencies and fluctuations in revenue cycles.

The ratio for unrestricted net assets is calculated after adjusting for the effect of subsequent year’s expenditures, and funding for future equipment replacement and capital projects, grants and contributions restricted to specific programs, and extraordinary and special items.

The City will not issue tax or revenue anticipation notes to fund ongoing governmental operations. The City of Alexandria will manage its cash in a fashion that will prevent any borrowing to meet working capital needs.

The City will not issue bond anticipation notes (BAN’s) for a period of longer than two years. If the City issues a BAN for a capital project, the BAN will be converted to a long-term bond or redeemed at its expiration, but will not be rolled over.

The City will continue to rely on current revenue, including its fund balance, to finance its short-lived and maintenance-oriented capital improvements. The City believes in funding a significant portion of capital improvements on a pay as you go basis; therefore, the City will continue to finance short-lived and maintenance-oriented capital improvements with current revenues, and its fund balance. The priority to consider when additional General Fund revenues become available at the end of the fiscal year would be a Commitment within the General Fund fund balance for pay as you go capital.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### CITY FINANCIAL POLICIES

The City will not establish a trend of using General Fund equity to finance current recurring operations. The City’s General Fund equity has been built over the years to provide the City with sufficient working capital and to enable it to finance equipment replacement, capital projects, and unforeseen emergencies without borrowing. To conserve the General Fund equity balance and to avoid reliance on this balance, the City will not finance recurring operations from the General Fund equity balance for periods longer than two years as confirmed by the audited financial statements. If the audited financial statements confirm that recurring operations have been funded from the General Fund equity balance for a period longer than two consecutive fiscal years, then the City will adopt in its next ensuing budget a balanced budget in which the operating revenues meet the operating expenditures without any consideration of the General Fund equity balance.

In the event that unforeseen and severe economic conditions result in a draw down of fund balance to finance current operations, replenishment of fund balance will be given priority over discretionary funding decisions to ensure that the target of 15 percent of Spendable Fund Balance as a proportion of General Fund Revenues is reached within three fiscal years.

The City will annually prepare a ten-year capital improvement program. In accordance with the City Charter and in order to meet the debt ratio targets, to schedule debt issuance, and to systematically improve the capital structure, each year the City will prepare and adopt a ten-year capital improvement program. This capital improvement program will identify the source of funding for all capital projects. The debt issuances that are a part of the capital improvement program will be structured to meet the City’s debt policies and debt ratio targets.

The City Manager will prepare each year and submit a set of ten-year scenarios of possible future revenues and expenditures that match the ten-year Capital Improvement Program time horizon with the proposed budget to be considered by the City Council. Those scenarios will be updated to reflect the decisions of the City Council and issued with the approved budget. In order to improve financial planning and decisions, the City Manager also will annually prepare with the approved budget a set of ten-year scenarios of possible future General Fund revenues and expenditures and their effects on the debt-related financial policy ratios outlined above, including the effect of planned borrowing under the approved CIP.

#### General Fund Cash Capital Related Policies

On January 13, 2015, through Resolution #2660, City Council provided specific guidance regarding the amount of recurring General Fund Cash Capital applied to the CIP. The minimum or floor was set at 2.0% and the target was set at 2.5%. This percentage provides a minimum and a target to ensure that cash capital will be maintained at an acceptable level, but at the same time providing flexibility in setting budget priorities between the annual General Fund Operating Budget and annual cash capital transfer from the General Fund to the CIP.

Recurring General Fund Cash Capital Transfer as a Percentage of General Fund Expenditures	
Target	Minimum
2.5%	2.0%

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### CITY FINANCIAL POLICIES

In accordance with the Government Finance Officers Association budget review requirements, this table, taken from the City's FY 2019 Comprehensive Annual Financial Report, is repeated here:

City of Alexandria, Virginia Computation of Legal Debt Margin as of June 30, 2019	
Assessed Value of Real property, January 1, 2019	\$40,977,242,214
Debt Limit: 10 Percent of Assessed Value	\$4,097,724,221
Amount of Debt Applicable to Debt Limit:	
General Obligation Bonds	\$589,957,000
Less Total General Obligation Debt	(\$589,957,000)
<b>LEGAL DEBT MARGIN REMAINING</b>	<b>\$3,507,767,221</b>

#### Limitations on the Incurrence of General Obligation Debt

There is no requirement in the Virginia Constitution, the Virginia Statutes or in the Charter of the City of Alexandria that the issuance of general obligation bonds of the City be subject to approval of the electors of the City at referendum.

Under the City Charter, the City Council has full authority to authorize and issue general obligation bonds. The authorizing procedure consists of the passage on first reading of an ordinance authorizing the issuance of the bonds followed by a notice of public hearing at a subsequent meeting and the final passage on second reading following the public hearing.

The only constitutional limitation on the issuance of general obligation bonds is contained in Article VII, Section 10 of the Virginia Constitution, which states that: No city or town shall issue any bonds or other interest-bearing obligations which, including existing indebtedness, shall at any time exceed ten percent of the assessed valuation of real estate in the city or town subject to taxation, as shown by the last preceding assessment for taxes.

# CITY OF ALEXANDRIA, VIRGINIA

## Legislative References



### CITY FINANCIAL POLICIES

City of Alexandria, Virginia  
Investment Policy  
Revised December 17, 2014

#### Policy Statement

It is the policy of the City of Alexandria (City) that the administration of deposits of cash and cash equivalents, and their investment, shall be handled as its highest public trust. Investments shall be made in a manner that provides maximum security of principal invested and conforms to all applicable statutes of the Commonwealth of Virginia governing the investment of public funds. The portfolio may consist of obligations of the Commonwealth of Virginia, obligations of the United States and certain Agencies thereof, obligations of Virginia municipalities, "prime quality" commercial paper, Certificate of Deposit Account Registry Service (CDARS), Insured Cash Sweep Service (ICS), the Virginia Local Government Investment Pool (LGIP) and the Virginia Investment Pool (VIP). The portfolio shall have an average maturity of up to three years, while remaining liquid to meet the daily cash flow needs of the City. The receipt of a market rate of return will be secondary to safety and liquidity requirements.

#### Scope

This investment policy applies to all deposits of cash and cash equivalents, defined in the City's Comprehensive Annual Financial Report (CAFR), excluding retirement funds. The City commingles its funds into one pooled investment fund for efficiency and maximum investment opportunity. Any new deposits of cash and cash equivalents will also be commingled unless specifically exempted by City Council and this policy. Investment income will be allocated to the various funds based on their respective participation and in accordance with generally accepted accounting principles.

#### Objective and Strategy

It is the policy of the City that all deposits of cash and cash equivalents shall be managed and invested with three primary objectives, listed in order of their priority: safety, liquidity and yield.

- a. Safety of Principal. Safety of principal is the foremost objective of the City. Investments of the City shall be made in a manner that seeks to ensure the preservation of capital in the overall portfolio. The objective will be to mitigate credit risk and interest rate risk.

The City will minimize credit risk, the risk of realizing a loss due to the failure of the security issuer or backer, by:

- Limiting investments to the safest types of securities.
- Pre-qualifying the financial institutions, brokers/dealers, intermediaries and advisers with which the City will do business.
- Diversifying the investment portfolio so that potential losses on individual securities will be minimized.

The City will minimize interest rate risk, the risk of realizing a loss due to the market value of securities in the portfolio falling as a result of changes in general interest rates, by:

- Structuring the investment portfolio so that securities mature to meet cash requirements for ongoing operations, thereby avoiding the need to sell securities on the open market prior to maturity.
  - Investing operating funds primarily in shorter-term securities.
- b. Liquidity. The City's investment portfolio will remain sufficiently liquid to enable it to meet all operating requirements that might be reasonably anticipated. This will be accomplished by structuring the portfolio so that securities mature concurrent with cash needs to meet anticipated demands. Furthermore, since all possible cash demands cannot be anticipated, the portfolio will maintain a cushion of liquid securities with active secondary or resale markets.

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Cash flow forecasting is designed to ensure adequate liquid funds to meet the City's cash flow requirements. Supplemental to the financial and budgetary systems, the Assistant Director/Treasury will maintain a cash flow forecasting process designed to monitor and forecast cash positions for investment purposes.

- c. Yield. The City's investment portfolio shall be structured with the objective of attaining a market rate of return throughout budgetary and economic cycles, taking into account the City's investment risk constraints and liquidity needs. "Market rate of return" is defined as the 2-year Treasury constant maturity as reported in H.15 Selected Interest Rates on the Board of Governors of the Federal Reserve Systems' website. Return on investment is of secondary importance compared to the safety and liquidity objectives described above. The core of investments is limited to relatively low risk securities in anticipation of earning a fair return relative to the risk being assumed. Securities may be sold prior to maturity in the following situations:
- A security with declining credit may be sold early to minimize loss of principal.
  - Liquidity needs of the portfolio require that the security be sold.
  - The sale realizes gains that can be reinvested for additional yield.

#### Legal Authority

The legal authority and limitations for the investment of public funds in Virginia are found in the Investment of Public Funds Act (Code of Virginia § 2.2-4500 et seq. (as amended)) and in the Local Government Investment Pool Act (Code of Virginia § 2.2-4600 et seq. (as amended)).

#### City's Investment Committee

The Deputy City Manager, Director of Finance and Assistant Director, Treasury are designated as the City's Investment Committee and are responsible for investment management decisions and activities. The Investment Committee is responsible for considering the ability of City staff and brokers/dealers involved with investment management and procedures. All participants in the investment process shall act responsibly as custodians of the public trust. The Investment Committee shall review the City's investment portfolio and cash flow forecast at least monthly.

The Investment Committee shall be responsible for all investment transactions and shall implement sufficient controls to protect City funds. City staff and brokers/dealers shall not engage in any investment transaction except as provided under the terms of this policy and the written procedures.

#### Standard of Care and Limitation of Liability

Public funds held by the City shall be held in trust for the citizens of Alexandria. Any investment of such funds pursuant to this policy shall be made solely in the interest of the citizens of Alexandria and with the care, skill, prudence and diligence under the circumstances then prevailing that a prudent person acting in like capacity and familiar with such matters would use in the conduct of an enterprise of a like character and with like aims. See Code of Virginia § 2.2-4514.

When investments are made in accordance with this policy, the Investment Committee shall not be liable for any loss therefrom in the absence of negligence, malfeasance, or nonfeasance on their part or on the part of City staff performing investment and cash management functions. See Code of Virginia § 2.2-4516.

#### Ethics and Conflicts of Interest

Investment Committee members and City staff involved in the investment process and brokers/dealers shall refrain from activity that could conflict with the proper execution and management of the investment program, or that could impair their ability to make impartial decisions. Investment Committee members and City staff involved in the investment process and brokers/dealers shall disclose any interests in financial institutions with which they conduct business, and shall refrain from entering into personal investment transactions with the same individual with whom business is conducted on behalf of the City. In addition to the foregoing, Investment Committee members and City staff shall comply with, as applicable, the State and Local Government Conflict of Interests Act (Code of Virginia § 2.2-3100 et seq. (as amended)) and City Code Article I (Ethics in Public Contracting), Chapter 3, Title 3 (as amended).

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### CITY FINANCIAL POLICIES

#### Internal Controls

In addition to this Policy, the Investment Committee shall develop written procedures that specifically identify the responsibilities of the City, broker/dealer and custodian for each investment transaction. Annually, the City's independent auditors will review the written procedures, which are designed to prevent loss of public funds due to fraud, employee error, misrepresentation by third parties or imprudent actions by City staff involved in the investment process. The process shall be structured to provide reasonable assurance that these objectives are met. The concept of reasonable assurance recognizes that (1) the cost of a control should not exceed the benefits likely to be derived and (2) the valuation of costs and benefits requires estimates and judgements by management. The procedures shall include separation of transaction authority from accounting and record keeping, independent third party custodial safe keeping, clear delegation of authority and responsibility, written confirmation of purchase/sale approval, written transaction receipts and explicit wire transfer instructions.

#### Authorized Financial Dealers and Institutions

All investment transactions undertaken on behalf of the City must be restricted to approved brokers/dealers. The Investment Committee shall maintain a list of brokers/dealers, which are approved for investment purposes. Investment Committee members and City staff involved in the investment process shall not conduct business with any securities dealer with whom or through whom public entities have paid excessive prices or have sustained losses on investments through mismanagement by the securities dealer. The Investment Committee must periodically (at least annually) assess the financial strength and integrity of the brokers/dealers and the individual account representatives with whom it does business. The following criteria must be met by those firms on the list:

- a. Provide an audited financial statement for the most recent period.
- b. Proof of certification by the National Association of Securities Dealers.
- c. Proof of current registration with the State Securities Commission.
- d. Completion of the City's broker/dealer questionnaire.

In addition, the supervising officers at the custodial bank and each broker/dealer shall submit certifications that they have reviewed this investment policy and agree to disclose potential conflicts or risks to public funds that might arise out of business transactions between the broker/dealer, custodial bank and the City. Each broker/dealer will implement sufficient controls and procedures to prevent unauthorized investment of City funds.

The supervising officer of the broker/dealer and custodial bank shall agree to exercise due diligence in monitoring the activities of other officers and subordinate staff members engaged in transactions with the City. Employees of any firm or financial institution offering securities or investments to the City shall be trained in the precautions appropriate to public sector investments and shall be required to familiarize themselves with the City's investment objectives, policies and constraints.

#### Authorized Investments

Under this policy, investments shall be limited to the instruments listed below. The investments are to be chosen in a manner that promotes diversity of issuer and maturity. The choice of high-grade government instruments is designed to ensure the marketability of those investments should liquidity needs arise.

- a. Obligations of the Commonwealth of Virginia  
Stocks, bonds, notes, and other evidences of indebtedness of the Commonwealth and those unconditionally guaranteed as to the payment of principal and interest by the Commonwealth. See Code of Virginia § 2.2-4501(A)(1).  
  
Requirement for Direct City Purchases (Not Applicable to LGIP and VIP)– Rated AA+ or better by Standard & Poor's Rating Services or Aa1 or better by Moody's Investors Service.

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### CITY FINANCIAL POLICIES

b. Obligations of the United States and certain Agencies thereof

Bonds, notes and other obligations of the United States, and securities unconditionally guaranteed as to the payment of principal and interest by the United States, or any agency thereof. See Code of Virginia § 2.2-4501(A)(2).

Requirement for Direct City Purchases (Not Applicable to LGIP and VIP) – No asset backed paper. Purely straight forward “vanilla” direct debt from the United States Treasury, Federal Home Loan Bank (FHLB) and Federal Farm Credit Bank (FFCB), which has a liquid market and a readily determinable market value. No investment in Federal National Mortgage Association (FNMA) and Federal Home Loan Mortgage Corporation (FHLMC) until authorized by this Investment Policy.

c. Obligations of Virginia Municipalities

Stocks, bonds, notes and other evidences of indebtedness of any county, city, town, district, authority or other public body in the Commonwealth upon which there is no default; provided, that if the principal and interest be payable from revenues or tolls and the project has not been completed, or if completed, has not established an operating record of net earnings available for payment of principal and interest equal to estimated requirements for that purpose according to the terms of the issue, the standards of judgment and care required in Article 9 (§ 64.2-780 et seq.) of Chapter 7 of Title 64.2, without reference to this section, shall apply. See Code of Virginia § 2.2-4501(A)(4).

Requirement for Direct City Purchases (Not Applicable to LGIP and VIP)– Rated AA+ or better by Standard & Poor’s Rating Services or Aa1 or better by Moody’s Investors Service.

d. "Prime Quality" Commercial Paper

"Prime quality" commercial paper, with a maturity of 270 days or less, of issuing corporations organized under the laws of the United States, or of any state thereof including paper issued by banks and bank holding companies. "Prime quality" shall be as rated by at least two of the following: Moody's Investors Service, Inc., within its NCO/Moody's rating of prime 1, by Standard & Poor's, Inc., within its rating of A-1, by Fitch Investor's Services, Inc., within its rating of F-1, by Duff and Phelps, Inc., within its rating of D-1, or by their corporate successors, provided that at the time of any such investment:

1. The issuing corporation, or its guarantor, has a net worth of at least fifty million dollars; and
2. The net income of the issuing corporation, or its guarantor, has averaged three million dollars per year for the previous five years; and
3. All existing senior bonded indebtedness of the issuer, or its guarantor, is rated "A" or better or the equivalent rating by at least two of the following: Moody's Investors Service, Inc., Standard & Poor's, Inc., Fitch Investor's Services, Inc., or Duff and Phelps, Inc.

Not more than thirty-five percent of the total funds available for investment may be invested in commercial paper, and not more than five percent of the total funds available for investment may be invested in commercial paper of any one issuing corporation. See Code of Virginia § 2.2-4502(A).

Requirement for Direct City Purchases (Not Applicable to LGIP and VIP) – No asset backed paper. Purely straight forward “vanilla” direct debt of the issuer. Commercial paper must be rated A1/P1 (or better) and on City’s approved list of commercial paper issuers. Committee will discuss approved issuers with negative outlook on debt.

e. CDARS and ICS

For investments in CDARS and ICS, the investment must be made in accordance with the following conditions:

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1. The moneys are initially invested through any federally insured bank or savings institution selected by the public entity that is qualified by the Virginia Treasury Board to accept public deposits;
2. The selected bank or savings institution arranges for the deposit of the moneys in one or more federally insured banks or savings institutions wherever located, for the account of the public entity;
3. The full amount of principal and any accrued interest of each such deposit is covered by federal deposit insurance;
4. The selected bank or savings institution acts as custodian for the public entity with respect to each deposit issued for the public entity's account; and
5. At the same time that the public entity's moneys are deposited, the selected bank or savings institution receives an amount of deposits from customers of other financial institutions wherever located equal to or greater than the amount of moneys invested by the public entity through the selected bank or savings institution.
6. After deposits are made in accordance with the conditions prescribed in subsection e, 1 – 5, such deposits shall not be subject to the provisions of Chapter 44 (§ 2.2-4400 et seq.), § 2.2-4515, or any security or collateral requirements that may otherwise be applicable to the investment or deposit of public moneys by government investors.

See Code of Virginia § 2.2-4518.

Requirement for Direct City Purchases (Not Applicable to LGIP and VIP) – Deposit bank must be rated performing or better by Bankrate.com at time of purchase

f. LGIP

Established by Code of Virginia § 2.2-4602.

See Code of Virginia § 2.2-4600 et seq.

g. VIP

Established by Trust Fund Agreement. Authorized by City Council on January 25, 2014.

The Investment Committee must review the portfolio at least monthly to ensure compliance with the City's investment policy and to review the credit ratings of all securities in the investment portfolio. The Investment Committee and dealer/broker will review any investment that no longer meets the original purchase requirements and will discuss available alternatives to arrive at an agreed upon course of action.

**Relative Value Requirement.** Securities will only be purchased after comparing prices with two similar securities to ensure that the City is receiving fair market value/price for the investment. Records of the comparisons will be kept to justify each investment decision.

**Delivery Versus Payment.** All security transactions, entered into by, or on behalf of, the City, shall be conducted on a delivery versus payment (DVP) basis. The Assistant Director/Treasury must receive written trade confirmation tickets within three business days of all trades. An Accounting Division reporting manager who is not authorized to buy or sell securities for this portfolio must receive copies and review the written trade confirmation tickets. The written trade confirmation ticket must provide the trade date, par value, maturity, interest rate, price, yield, settlement date, description of security purchased, issuer's name, amount due, third-party custodial information and show the City as owner of the security.

#### Unauthorized Investments

- a. The City will not "sell short," i.e., sell something it does not own in anticipation of buying it later at a lower price.
- b. The City will not buy on margin.
- c. The City will not contract for future delivery
- d. The City will not deal in futures or options of any kind.
- e. The City will not purchase derivatives.

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- f. The City will not purchase asset-backed securities.
- g. The City will not purchase collateralized mortgage obligations.
- h. The City will not purchase pass-through securities.
- i. The City will not purchase inverse floaters.
- j. The City will not purchase principal only or interest only strips.
- k. The City will not purchase range bonds.

#### Diversity and Maturity Limitations

The investment portfolio shall be diversified by:

- limiting investments to avoid overconcentration in securities from a specific issuer or business sector (excluding U.S. Treasury securities, CDARS and ICS),
- limiting the number of securities in the portfolio that have a higher risk of credit default,
- investing in securities with varying maturities, and
- continuously investing a portion of the portfolio in the Virginia Local Government Investment Pool (LGIP) or the Insured Cash Sweep Service (ICS) to ensure that appropriate liquidity is maintained in order to meet on-going obligations.

Diversification strategies shall be established and periodically reviewed. At a minimum, diversification standards by security type and issuer shall be:

Security Type	Maximum Percentage of the Total Funds Available for Investment
A. Obligations of the Commonwealth of Virginia	40%
B. Obligations of the United States and certain Agencies thereof	75%
C. Obligations of Virginia Municipalities	40%
D. "Prime Quality" Commercial Paper (in total)	25%
E. Commercial Paper of any one Issuing Corporation	5%
F. CDARS	75%
G. ICS	40%
H. LGIP	75%
I. VIP	75%

The Assistant Director/Treasury shall diversify maturities, and to the extent possible, match investments with anticipated cash flow requirements. Matching maturities with cash flow dates will reduce the need to sell securities prior to maturity, thus reducing market risk.

The average maturity of the City's investment portfolio at the end of any given month shall be up to three years. No less than \$15 million will be invested in securities with maturities of 14 days or less. Excluding LGIP and VIP, securities with more than 60 months to maturity are not authorized for the City's investment portfolio.

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#### **Safekeeping (for securities other than LGIP, CDARS, ICS and VIP)**

All trades where applicable will be executed by delivery versus payment (DVP) to ensure that all securities are deposited in an independent third party custodial bank prior to the release of funds. Securities will be held by a custodial bank that is not otherwise a counterparty to the investment transaction, in the City's name and subject to the City's order of withdrawal. The custodial bank may not be within the same holding company as the bank from which the securities are pledged. At no time will the City's securities be commingled with those of other investors. The custodial bank shall deliver securities to the City in the event of default by a counterparty to the investment transaction.

All safekeeping arrangements shall be approved by the Investment Committee and an agreement of the terms executed in writing. The third-party custodian shall issue original safekeeping receipts to the Assistant Director/Treasury, listing each specific security, rate, description, maturity and CUSIP number (9-digit alphanumeric code that identifies a North American financial security). Each safekeeping receipt will clearly state that the security is held in the City's name, subject to the City's order of withdrawal.

#### **Perfected Security Interest**

To ensure the City has a perfected security interest, the Investment Committee must issue written authorization before selling any security from the City's investment portfolio. Prior to making a purchase on behalf of the City, the broker/dealer must notify the City's Investment Committee of the par value, maturity range and type of security to be purchased.

#### **Performance Evaluation and Reporting**

At least quarterly, the Assistant Director/Treasury shall submit monthly reports to the Investment Committee containing sufficient information to permit an informed outside reader to evaluate the performance of the investment program. The reports will be prepared and reviewed by individuals who are not responsible for buying and selling securities. In addition, the market value of the portfolio shall be calculated and reported at least monthly. The reports will summarize investment activity and may include the following information:

Monthly Investment Portfolio Inventory Reports. Securities will be grouped by type, and may include the following information:

- Name of issuer
- Par amount
- Coupon Rate
- Contractual maturity date
- Call date, if applicable
- Amortized cost (book value)
- Fair value (market value)
- Expected yield
- Unrealized gain or loss
- Credit rating
- CUSIP number
- Purchase price
- Original dollar amount of premium or discount
- Yield to maturity or total return if held to maturity
- Yield to call, or total return if held to call, if applicable
- Interest received
- Accrued interest
- Amortized/Accretion Premium/Discount
- Percentage of total portfolio that specific security comprises

Monthly Investment Portfolio Activity Reports. Listing of purchases, sales, calls, maturities, interest received, rating upgrades and rating downgrades, and beginning and ending par, book and market values.

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Monthly Investment Portfolio Liquidity Reports. Listing of investments by maturity date, and a maturity breakdown of the portfolio by type of investment and by time period.

Monthly Investment Portfolio Earnings Summary Reports. Listing of interest earnings accrued, amortization/accretion and total earnings for the month and fiscal year-to-date.

Monthly Investment Portfolio Unrealized Gains and Losses Report.

Monthly Investment Portfolio Performance Reports. Listing of average weighted yield-to-maturity and yield-at-cost for current month and fiscal year-to-date, with comparison to the two year Treasury reported by the Federal Reserve.

Monthly Investment Policy Compliance Report. Report shows that portfolio meets policy requirements regarding investment types, maturities and diversification.

#### **Policy Considerations**

This policy shall be reviewed on an annual basis. The City's Investment Committee must approve any change.

# APPENDICES

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## Appendix A: Projects Removed from the CIP

### Prior Year Projects Deleted in the Proposed FY 2021 – FY 2030 Capital Improvement Program

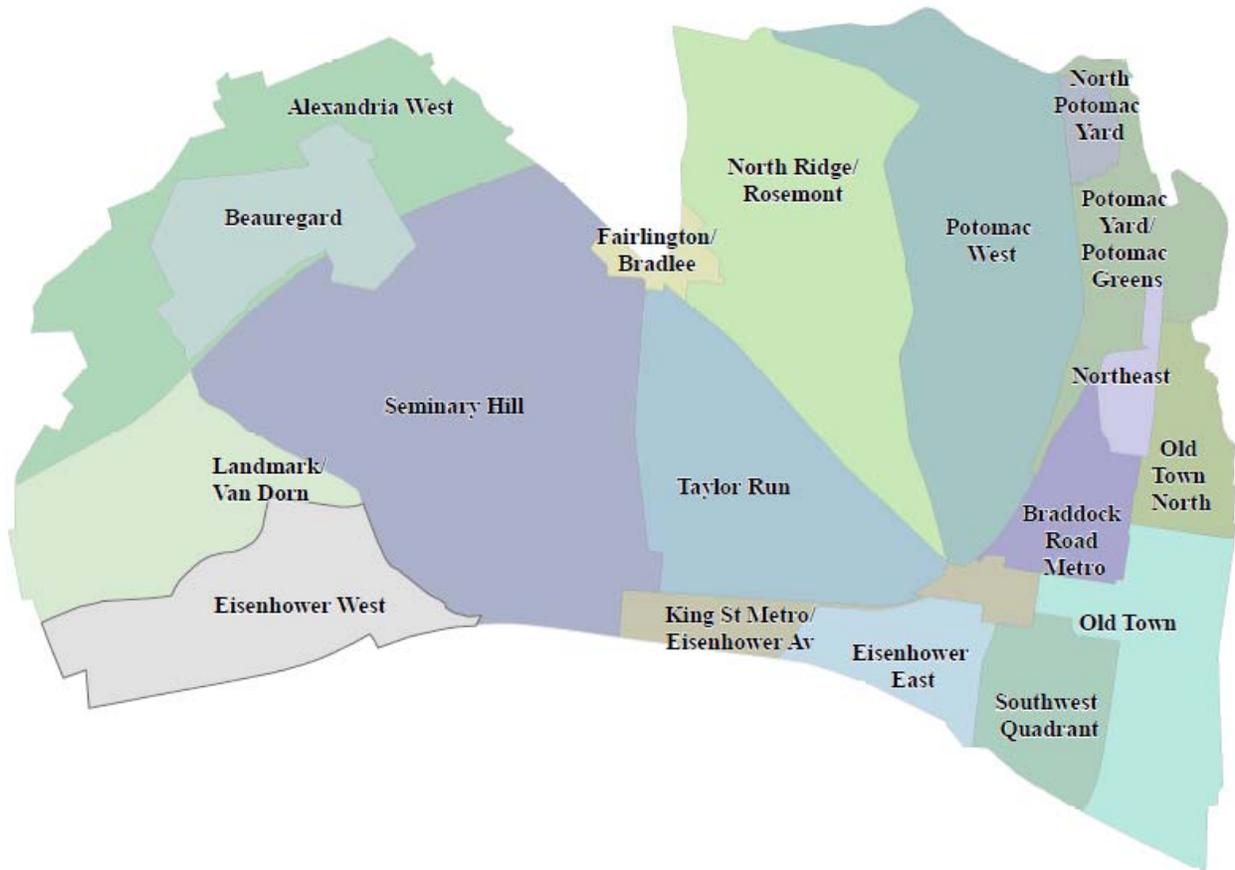
A number of projects that were listed in the prior year Capital Improvement Program (CIP) no longer appear in the FY 2021 – 2030 CIP. In some cases, this is due to the completion of a project; in others a project may no longer be part of the City's plan for future capital investments. This CIP also contains instances where projects have been combined to create a single, all-inclusive project.

CIP Section	Project	Notes
Recreation and Parks	Four Mile Run Wetlands Connector Bridge	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	Park Maintenance Facilities	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	Potomac Yard Park Basketball Court Lights	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	Patrick Henry Recreation Center	Project has reached or is near substantial completion. Final close-out of project is on hold until old Patrick Henry school building demolition commences.
Public Buildings	Torpedo Factory Space Programming Study	Project merged with Torpedo Factory Programming and Improvements project.
	Expansion of Police Property Evidence Storage Study	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	Fire Station 205 (Cameron Street)	Project moved outside of 10-year capital plan. Fire Station replacement to be contemplated in future CIP.
	Pistol Range	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
Transportation	Van Dorn Metrorail Station Area Improvements	Project eliminated from City CIP. WMATA will be responsible for station improvement project.
	BRAC Neighborhood Protection Plan	Project eliminated from CIP; available funding moved to the Duke and West Taylor Run Safety Improvement project.
	EW & LVD Implementation - High Street Design/Engineering	Project removed from CIP; no funding for project is contemplated at this time.
	Farrington Connector	Project removed from CIP; no funding for project is contemplated at this time.
IT Plan	Animal Shelter Server Replacement	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	Application Portfolio Management	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	Project Management Software	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	Electronic Citations Implementation	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	Emergency 911 Phone System Upgrade	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	EMS Records Management System	Project merged with Fire RMS project.

## Appendix B: Project Reporting Areas

Capital projects that are geographically defined have been categorized by Project Reporting Area, based on their location as defined within the Alexandria Master Plan (Small Area Plans & Citywide Chapters). Projects without a discrete boundary are classified as “Citywide”, and take place either at a number of different locations or on a to-be-determined basis.

Alexandria Master Plan (Reporting Area Locations)



The following pages provide a summary of CIP projects by Reporting Area.

Reporting Area	CIP Section	Project Title
Alexandria West	Public Buildings	DCHS Consolidation and Co-Location
Alexandria West	Public Buildings	Health Department CFMP
Alexandria West	Transportation	King & Beauregard Intersection Improvements
Beauregard	Stormwater Management	Lucky Run Stream Restoration
Beauregard	Transportation	BRAC & Central City Neighborhood Protection Plan
Beauregard	Transportation	Transit Corridor "C" - West End Transitway
Braddock Road Metro	Community Development	Braddock Road Area Plan - Streetscape Improvements
Braddock Road Metro	Recreation & Parks	Braddock Area Plan Park
Braddock Road Metro	Recreation & Parks	Old Town Pool Renovations
Citywide	Community Development	Affordable Housing Funding
Citywide	Community Development	Citywide Street Lighting
Citywide	Community Development	Development Studies
Citywide	Community Development	Environmental Restoration
Citywide	Community Development	Fire Department Vehicles & Apparatus
Citywide	Community Development	Fire Hydrant Maintenance Program
Citywide	Community Development	Office of Historic Alexandria Initiatives
Citywide	Community Development	Police Body Worn Cameras
Citywide	Community Development	Public Art Acquisition
Citywide	Community Development	Public Art Conservation Program
Citywide	Community Development	Stream Valley Design Guidelines
Citywide	Community Development	Transportation Signage & Wayfinding System
Citywide	Recreation & Parks	Americans with Disabilities Act (ADA) Requirements
Citywide	Recreation & Parks	Athletic Field Improvements (incl. Synthetic Turf)
Citywide	Recreation & Parks	Ball Court Renovations
Citywide	Recreation & Parks	Citywide Parks Improvements Plan
Citywide	Recreation & Parks	Community Matching Fund
Citywide	Recreation & Parks	Neighborhood Pool Demolition and Conversion
Citywide	Recreation & Parks	Open Space Acquisition and Develop.
Citywide	Recreation & Parks	Park Renovations CFMP
Citywide	Recreation & Parks	Pavement in Parks
Citywide	Recreation & Parks	Playground Renovations CFMP
Citywide	Recreation & Parks	Proactive Maintenance of the Urban Forest
Citywide	Recreation & Parks	Public Pools
Citywide	Recreation & Parks	Recreation Centers CFMP
Citywide	Recreation & Parks	Restroom Renovations
Citywide	Recreation & Parks	Soft Surface Trails
Citywide	Recreation & Parks	Tree & Shrub Capital Maintenance
Citywide	Recreation & Parks	Water Management & Irrigation
Citywide	Public Buildings	Capital Planning & Building Assessment (Condition Assessment)
Citywide	Public Buildings	City Historic Facilities CFMP
Citywide	Public Buildings	Courthouse/PSC Security System Upgrade
Citywide	Public Buildings	Emergency Power Systems
Citywide	Public Buildings	Energy Management Program
Citywide	Public Buildings	Fire & Rescue CFMP
Citywide	Public Buildings	General Services CFMP
Citywide	Public Buildings	Library CFMP
Citywide	Public Buildings	Mental Health Residential Facilities CFMP
Citywide	Public Buildings	Parking Garages CFMP
Citywide	Public Buildings	Preventative Maintenance Systems and Staffing Study
Citywide	Public Buildings	Roof Replacement Program
Citywide	Sanitary Sewers	Capital Support of CSO Mitigation Projects

Reporting Area	CIP Section	Project Title
Citywide	Sanitary Sewers	Citywide Sewershed Infiltration & Inflow
Citywide	Sanitary Sewers	Reconstructions & Extensions of Sanitary Sewers
Citywide	Sanitary Sewers	Sanitary Sewer Asset Renewal Program
Citywide	Stormwater Management	City Facilities Stormwater Best Management Practices (BMPs)
Citywide	Stormwater Management	Green Infrastructure
Citywide	Stormwater Management	MS4-TDML Compliance Water Quality Improvements
Citywide	Stormwater Management	NPDES / MS4 Permit
Citywide	Stormwater Management	Phosphorus Exchange Bank
Citywide	Stormwater Management	Storm Sewer Capacity Assessment
Citywide	Stormwater Management	Storm Sewer System Spot Improvements
Citywide	Stormwater Management	Stormwater BMP Maintenance CFMP
Citywide	Stormwater Management	Stormwater Utility Implementation
Citywide	Stormwater Management	Stream & Channel Maintenance
Citywide	IT Plan	AJIS System
Citywide	IT Plan	Animal Shelter Server Replacement
Citywide	IT Plan	Application Portfolio Management
Citywide	IT Plan	Business Tax System/Reciprocity Contractor System
Citywide	IT Plan	Computer Aided Dispatch (CAD) System Replacement
Citywide	IT Plan	Connectivity Initiatives
Citywide	IT Plan	Council Chamber Technology Upgrade
Citywide	IT Plan	Customer Relationship Management System
Citywide	IT Plan	Database Infrastructure
Citywide	IT Plan	Document Imaging
Citywide	IT Plan	Electronic Citations Implementation
Citywide	IT Plan	Electronic Government/Web Page
Citywide	IT Plan	Emergency 911 Phone System Upgrade
Citywide	IT Plan	Employee Pension Administration System
Citywide	IT Plan	EMS Records Management System
Citywide	IT Plan	Enterprise Camera System
Citywide	IT Plan	Enterprise Collaboration
Citywide	IT Plan	Enterprise Data Storage Infrastructure
Citywide	IT Plan	Enterprise Maintenance Mgmt System
Citywide	IT Plan	Enterprise Resource Planning System
Citywide	IT Plan	Enterprise Service Catalog
Citywide	IT Plan	Fire Dept RMS
Citywide	IT Plan	Fleet Management System
Citywide	IT Plan	FOIA System Replacement
Citywide	IT Plan	General Services Facilities Management System
Citywide	IT Plan	GIS Development
Citywide	IT Plan	HIPAA & Related Health Information Technologies
Citywide	IT Plan	Information Technology Equipment Replacement
Citywide	IT Plan	Information Technology Lump Sum Funding
Citywide	IT Plan	IT Enterprise Management System
Citywide	IT Plan	LAN Development
Citywide	IT Plan	LAN/WAN Infrastructure
Citywide	IT Plan	Library Public Access Computers and Print Mgmt System
Citywide	IT Plan	Library Scanning Equipment and DAMS
Citywide	IT Plan	Library Self-Service Stations/Equipment
Citywide	IT Plan	Migration of Integrated Library System to SAAS Platform
Citywide	IT Plan	Municipal Fiber
Citywide	IT Plan	Network Security

Reporting Area	CIP Section	Project Title
Citywide	IT Plan	Network Server Infrastructure
Citywide	IT Plan	Office of Voter Registrations and Elections Equipment Replacement
Citywide	IT Plan	OHA Point-of-Sale System Replacement
Citywide	IT Plan	OHA Records Management System Replacement
Citywide	IT Plan	Parking Citation System Replacement
Citywide	IT Plan	Permit Processing
Citywide	IT Plan	Personal Property Tax System
Citywide	IT Plan	Phone, Web, Portable Device Payment Portals
Citywide	IT Plan	Project Management Software
Citywide	IT Plan	Radio System Upgrade
Citywide	IT Plan	Real Estate Account Receivable System
Citywide	IT Plan	Real Estate Assessment System (CAMA)
Citywide	IT Plan	Recreation Database System
Citywide	IT Plan	Remote Access
Citywide	IT Plan	Small Systems Replacements
Citywide	IT Plan	Time & Attendance System Upgrade
Citywide	IT Plan	Upgrade Work Station Operating Systems
Citywide	IT Plan	Voice Over Internet Protocol (VoIP)
Citywide	ACPS	ACPS Capital Program
Citywide	CIP Development & Implementation Staff	Capital Budget Staff (1.50 FTE)
Citywide	CIP Development & Implementation Staff	Capital Procurement Personnel (7.60 FTE)
Citywide	CIP Development & Implementation Staff	Capital Project Development Team (2.00 FTE)
Citywide	CIP Development & Implementation Staff	Capital Project Implementation Non-Personnel Expenditures
Citywide	CIP Development & Implementation Staff	Capital Project Implementation Personnel (25.00 FTE)
Citywide	CIP Development & Implementation Staff	General Services Capital Projects Staff (7.80)
Citywide	CIP Development & Implementation Staff	IT Systems Implementation Staff (4.50 FTE)
Citywide	CIP Development & Implementation Staff	Open Space Management Staff (2.00 FTE)
Citywide	CIP Development & Implementation Staff	Public Private Partnerships Coordinator (1.00 FTE)
Citywide	Reservation of Bond Capacity/Cash Capital for City/School Facilities	City & School Land Acquisition and DCHS Colocation Investment
Citywide	Transportation	Alexandria Mobility Plan
Citywide	Transportation	Bicycle Parking at Transit
Citywide	Transportation	Bridge Repairs
Citywide	Transportation	Capital Bikeshare
Citywide	Transportation	City Standard Construction Specifications
Citywide	Transportation	Citywide Parking - Parking Study
Citywide	Transportation	Citywide Parking - Parking Technologies
Citywide	Transportation	Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration
Citywide	Transportation	Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade
Citywide	Transportation	Citywide Trans. Mgmt. Tech. - Transportation Technologies
Citywide	Transportation	Complete Streets
Citywide	Transportation	DASH Bus Fleet Replacements
Citywide	Transportation	DASH Electronic Fare Payment
Citywide	Transportation	DASH Facility and Fleet Expansion
Citywide	Transportation	DASH Hybrid Bus and Trolley Powertrain Replacement
Citywide	Transportation	DASH Technologies
Citywide	Transportation	Fixed Transportation Equipment
Citywide	Transportation	Shared-Use Paths
Citywide	Transportation	Sidewalk Capital Maintenance
Citywide	Transportation	Street Reconstruction & Resurfacing of Major Roads
Citywide	Transportation	Traffic Adaptive Signal Control
Citywide	Transportation	Transit Access & Amenities

Reporting Area	CIP Section	Project Title
Citywide	Transportation	Transit Signal Priority
Eisenhower East	Public Buildings	2355 Mill Road CFMP
Eisenhower East	Public Buildings	Fleet Building CFMP
Eisenhower East	Public Buildings	Office of the Sheriff CFMP
Eisenhower East	Transportation	Eisenhower Avenue Roadway Improvements
Eisenhower East	Transportation	Eisenhower Metrorail Station Improvements
Eisenhower East	Transportation	Old Cameron Run Trail
Eisenhower West	Public Buildings	Pistol Range
Eisenhower West	Transportation	Citywide Trans. Mgmt. Tech. - Broadband Communications Link
Eisenhower West	Transportation	Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)
Eisenhower West	Transportation	Van Dorn Metrorail Station Area Improvements
Eisenhower West/Landmark/Van Dorn	Community Development	EW & LVD Implementation - Developer Contributions Analysis
Eisenhower West/Landmark/Van Dorn	Community Development	EW & LVD Implementation - Infrastructure Plan
Eisenhower West/Potomac West/Taylor Run	Recreation & Parks	Park Maintenance Facilities
King Street Metro/Eisenhower Ave.	Public Buildings	Union Station Improvements
King Street Metro/Eisenhower Ave.	Transportation	King Street Metrorail Station Area Improvements
Landmark/Van Dorn	Public Buildings	Beatley Building Envelope Restoration
Landmark/Van Dorn	Stormwater Management	Cameron Station Pond Retrofit
Landmark/Van Dorn	Transportation	Backlick Run Multi-Use Paths
Landmark/Van Dorn/Beauregard	Transportation	Transit Corridor "B" - Duke Street
Landmark/Van Dorn/Seminary Hill/Beauregard	Transportation	Van Dorn/Beauregard Bicycle Facilities
Landmark/Van Dorn/Seminary Hill/Taylor Run/Eisenhower East	Sanitary Sewers	Holmes Run Trunk Sewer
Landmark/Van Down	Public Buildings	Fire Station 208 Replacement
Landmark/Van Down	Transportation	Access Improvements at Landmark
Norrrh Ridge/Rosemont	Public Buildings	Fire Station 203 (Cameron Mills)
Old Town	Community Development	Gadsby Lighting Fixtures & Poles Replacement
Old Town	Recreation & Parks	City Marina Maintenance
Old Town	Recreation & Parks	Torpedo Factory Space Programming & Improvements
Old Town	Recreation & Parks	Windmill Hill Park Improvements
Old Town	Public Buildings	City Hall Renovation and HVAC Replacement
Old Town	Public Buildings	City Hall Swing Space
Old Town	Public Buildings	Courthouse CFMP
Old Town	Public Buildings	Market Square Plaza and Garage Structural Repairs
Old Town	IT Plan	Courtroom Trial Presentation Technology
Old Town	Transportation	Cameron & Prince Bicycle & Pedestrian Facilities
Old Town North	Sanitary Sewers	Combined Sewer Assessment & Rehabilitation
Old Town North	Transportation	Mt. Vernon Trail @ East Abingdon
Potomac West	Recreation & Parks	Four Mile Run Park
Potomac West	Recreation & Parks	Four Mile Run Park Wetlands Connector Bridge
Potomac West	Stormwater Management	Four Mile Run Channel Maintenance
Potomac West	Transportation	Four Mile Run Bridge Program
Potomac West	Transportation	Mt. Vernon Avenue North Complete Streets
Potomac Yard/Potomac Greens	Recreation & Parks	Potomac Yard Park Basketball Court Lights
Potomac Yard/Potomac Greens	Transportation	East Glebe & Route 1
Potomac Yard/Potomac Greens	Transportation	Transit Corridor "A" - Route 1
Potomac Yard/Potomac Greens, North Potomac Yard	Transportation	Potomac Yard Metrorail Station
Regional	Other Regional Contributions	Northern Virginia Community College (NVCC)
Regional	Other Regional Contributions	Northern Virginia Regional Park Authority (NVRPA)
Regional	Transportation	Transitway Enhancements
Regional	Transportation	WMATA Capital Contributions
Seminary Hill	Recreation & Parks	Cameron Run Regional Park Feasibility Study

Reporting Area	CIP Section	Project Title
Seminary Hill	Recreation & Parks	Fort Ward Management Plan Implementation
Seminary Hill	Recreation & Parks	Holmes Run Trail Repairs
Seminary Hill	Recreation & Parks	Patrick Henry Recreation Center
Seminary Hill	Recreation & Parks	Patrick Henry Turf Fields and Recreation Center
Seminary Hill	Public Buildings	Alexandria Police CFMP
Seminary Hill	Public Buildings	Burke Branch Renovation
Seminary Hill	Public Buildings	Vola Lawson Animal Shelter
Seminary Hill	Public Buildings	Witter/Wheeler - Fuel Island Renovation
Seminary Hill	Stormwater Management	Strawberry Run Stream Restoration
Seminary Hill	Transportation	Seminary / Howard Safety Improvements
Seminary Hill	Transportation	Seminary Road at Beauregard Street Ellipse
Seminary Hill/Landmark/Van Dorn	Transportation	Holmes Run Trail Connector
Southwest Quadrant	Public Buildings	Lee Center CFMP
Southwest Quadrant	Public Buildings	New Burn Building
Southwest Quadrant	Sanitary Sewers	AlexRenew Wastewater Treatment Plant Capacity
Taylor Run	Recreation & Parks	Chinquapin Recreation Center CFMP
Taylor Run	Public Buildings	Alexandria Transit - DASH CFMP
Taylor Run	Public Buildings	Fire Station 207 (Duke Street)
Taylor Run	Public Buildings	Witter/Wheeler Campus Funding Reservation
Taylor Run	Stormwater Management	Taylor Run Stream Restoration
Taylor Run	IT Plan	Impound Lot System Replacement
Taylor Run/Duke Street	Recreation & Parks	Douglas MacArthur School - Recreation & Parks Programming Space
Taylor Run/Duke Street	Transportation	Duke Street and West Taylor Run Safety Improvements
Waterfront	Community Development	Oronoco Outfall Remediation Project
Waterfront	Community Development	Waterfront Small Area Plan Implementation (w/ Construction Funding)
Waterfront	Recreation & Parks	Waterfront Parks CFMP

## Appendix C: FY 2021 – 2030 Capital Projects Requested vs. Proposed

The following pages provide a summary all capital projects reviewed during the FY 2021 – FY 2030 Capital Improvement Program (CIP) development process, the amount included for each project as requested by departments, and the amount funded in City Manager’s Proposed FY 2021 – FY 2030 CIP.

Section	Subsection	Project	FY 21-30	FY 21-30	Delta
			Requested	Proposed	
Community Development	Affordable Housing	Affordable Housing Funding	\$ 65,841,000	\$ 69,341,000	\$ -
Community Development	City-Wide Amenities	Gadsby Lighting Fixtures & Poles Replacement	\$ 3,214,300	\$ 3,214,300	\$ -
Community Development	City-Wide Amenities	Office of Historic Alexandria Initiatives	\$ 1,508,312	\$ 1,537,312	\$ -
Community Development	City-Wide Amenities	Public Art Acquisition	\$ 4,950,000	\$ 2,500,000	\$ (2,450,000)
Community Development	City-Wide Amenities	Public Art Conservation Program	\$ 573,600	\$ 573,600	\$ -
Community Development	City-Wide Amenities	Transportation Signage & Wayfinding System	\$ 671,000	\$ 271,000	\$ (400,000)
Community Development	Neighborhood Planning	Braddock Road Area Plan - Streetscape Improvements	\$ 450,000	\$ 450,000	\$ -
Community Development	Neighborhood Planning	Development Studies	\$ 2,500,000	\$ 2,500,000	\$ -
Community Development	Neighborhood Planning	Waterfront Small Area Plan Implementation (w/ Construction Funding)	\$ 135,835,000	\$ 102,000,000	\$ (33,835,000)
Community Development	Public Safety Enhancements	Citywide Street Lighting	\$ 1,137,100	\$ 1,137,100	\$ -
Community Development	Public Safety Enhancements	Fire Department Vehicles & Apparatus	\$ 20,817,624	\$ 20,817,624	\$ -
Community Development	Public Safety Enhancements	Fire Hydrant Maintenance Program	\$ 3,397,300	\$ 3,397,300	\$ -
Community Development	Public Safety Enhancements	Police Body Worn Cameras	\$ -	\$ -	\$ -
Community Development	Waterways Maintenance & Improvements	Environmental Restoration	\$ 2,801,460	\$ 2,651,460	\$ (150,000)
Community Development	Waterways Maintenance & Improvements	Oronoco Outfall Remediation Project	\$ 2,950,000	\$ 2,950,000	\$ -
Community Development	Waterways Maintenance & Improvements	Stream Valley Design Guidelines	\$ 1,574,700	\$ 250,000	\$ (1,324,700)
Recreation & Parks	Aquatics Facilities	Neighborhood Pool Demolition and Conversion	\$ 461,000	\$ 461,000	\$ -
Recreation & Parks	Aquatics Facilities	Old Town Pool Renovations	\$ 9,130,500	\$ 9,130,500	\$ -
Recreation & Parks	Aquatics Facilities	Public Pools	\$ 1,098,100	\$ 1,098,100	\$ -
Recreation & Parks	Open Space Acquisition & Development	Open Space Acquisition and Develop.	\$ 17,886,550	\$ 6,750,000	\$ (11,136,550)
Recreation & Parks	Park Maintenance & Improvements	Americans with Disabilities Act (ADA) Requirements	\$ 1,197,400	\$ 1,197,400	\$ -
Recreation & Parks	Park Maintenance & Improvements	Athletic Field Improvements (incl. Synthetic Turf)	\$ 37,047,700	\$ 21,438,700	\$ (15,609,000)
Recreation & Parks	Park Maintenance & Improvements	Ball Court Renovations	\$ 1,792,800	\$ 1,792,800	\$ -
Recreation & Parks	Park Maintenance & Improvements	Cameron Run Regional Park Feasibility Study	\$ 381,400	\$ 381,400	\$ -
Recreation & Parks	Park Maintenance & Improvements	Community Matching Fund	\$ 2,000,000	\$ 2,000,000	\$ -
Recreation & Parks	Park Maintenance & Improvements	Dora Kelley Trail Repairs	\$ 826,350	\$ -	\$ (826,350)
Recreation & Parks	Park Maintenance & Improvements	Four Mile Run Park	\$ -	\$ 21,372,500	\$ -
Recreation & Parks	Park Maintenance & Improvements	Four Mile Run Urban Deck	\$ 3,136,400	\$ -	\$ (3,136,400)
Recreation & Parks	Park Maintenance & Improvements	Holmes Run Trail Repairs	\$ -	\$ 6,000,000	\$ -
Recreation & Parks	Park Maintenance & Improvements	Park Renovations CFMP	\$ 4,944,800	\$ 4,944,800	\$ -
Recreation & Parks	Park Maintenance & Improvements	Patrick Henry Turf Fields and Recreation Center	\$ 2,363,600	\$ 2,363,600	\$ -
Recreation & Parks	Park Maintenance & Improvements	Pavement in Parks	\$ 2,992,300	\$ 2,445,000	\$ (547,300)
Recreation & Parks	Park Maintenance & Improvements	Playground Renovations CFMP	\$ 9,999,400	\$ 9,999,400	\$ -
Recreation & Parks	Park Maintenance & Improvements	Restroom Renovations	\$ 2,518,500	\$ 2,518,500	\$ -
Recreation & Parks	Park Maintenance & Improvements	Soft Surface Trails	\$ 1,374,100	\$ 1,374,100	\$ -
Recreation & Parks	Park Maintenance & Improvements	Tree & Shrub Capital Maintenance	\$ 3,714,700	\$ 3,714,700	\$ -
Recreation & Parks	Park Maintenance & Improvements	Water Management & Irrigation	\$ 1,528,700	\$ 1,528,700	\$ -
Recreation & Parks	Park Maintenance & Improvements	Waterfront Parks CFMP	\$ 613,800	\$ 613,800	\$ -
Recreation & Parks	Park Maintenance & Improvements	Windmill Hill Park Improvements	\$ 5,891,100	\$ 5,196,100	\$ (695,000)
Recreation & Parks	Recreation Facility Maintenance	Chinquapin Recreation Center CFMP	\$ 7,669,261	\$ 7,669,261	\$ -
Recreation & Parks	Recreation Facility Maintenance	City Marina Maintenance	\$ 616,700	\$ 616,700	\$ -
Recreation & Parks	Recreation Facility Maintenance	Proactive Maintenance of the Urban Forest	\$ 2,199,700	\$ 2,199,700	\$ -
Recreation & Parks	Recreation Facility Maintenance	Recreation Centers CFMP	\$ 18,291,300	\$ 18,291,300	\$ -
Recreation & Parks	Renovated or New Recreation Facilities	Braddock Area Plan Park	\$ 3,710,800	\$ 3,710,800	\$ -
Recreation & Parks	Renovated or New Recreation Facilities	Citywide Parks Improvements Plan	\$ 4,324,910	\$ 2,912,432	\$ (1,412,478)
Recreation & Parks	Renovated or New Recreation Facilities	Douglas MacArthur School - Recreation & Parks Programming Space	\$ -	\$ 2,000,000	\$ -
Recreation & Parks	Renovated or New Recreation Facilities	Fort Ward Management Plan Implementation	\$ 1,057,300	\$ 920,000	\$ (137,300)
Recreation & Parks	Renovated or New Recreation Facilities	Torpedo Factory Space Programming & Improvements	\$ -	\$ 1,145,000	\$ -
Public Buildings	General Government Facilities	2355 Mill Road CFMP	\$ 3,855,400	\$ 3,855,400	\$ -
Public Buildings	General Government Facilities	Alexandria Transit - DASH CFMP	\$ 1,903,300	\$ 3,466,300	\$ -
Public Buildings	General Government Facilities	Capital Planning & Building Assessment (Condition Assessment)	\$ 800,000	\$ 650,000	\$ (150,000)
Public Buildings	General Government Facilities	City Hall Renovation and HVAC Replacement	\$ 81,830,200	\$ 61,500,000	\$ (20,330,200)
Public Buildings	General Government Facilities	City Hall Swing Space	\$ 18,765,000	\$ 8,461,400	\$ (10,303,600)
Public Buildings	General Government Facilities	Emergency Power Systems	\$ 1,898,400	\$ 1,898,400	\$ -
Public Buildings	General Government Facilities	Energy Management Program	\$ 8,131,900	\$ 8,056,900	\$ (75,000)
Public Buildings	General Government Facilities	Fleet Building CFMP	\$ 8,216,300	\$ 8,216,300	\$ -
Public Buildings	General Government Facilities	General Services CFMP	\$ 4,012,800	\$ 3,932,800	\$ (80,000)
Public Buildings	General Government Facilities	Lee Center CFMP	\$ 1,862,900	\$ 1,862,900	\$ -
Public Buildings	General Government Facilities	Market Square Plaza and Garage Structural Repairs	\$ 8,993,300	\$ 8,993,300	\$ -
Public Buildings	General Government Facilities	Parking Garages CFMP	\$ 115,000	\$ 115,000	\$ -
Public Buildings	General Government Facilities	Roof Replacement Program	\$ 5,638,500	\$ 5,572,500	\$ (66,000)
Public Buildings	General Government Facilities	Union Station Improvements	\$ -	\$ 250,000	\$ -
Public Buildings	General Government Facilities	Witter/Wheeler Campus Funding Reservation	\$ 35,500,000	\$ 32,000,000	\$ (3,500,000)
Public Buildings	Library Facilities	Beatley Building Envelope Restoration	\$ 531,300	\$ 531,300	\$ -
Public Buildings	Library Facilities	Burke Branch Renovation	\$ 796,000	\$ 825,000	\$ -
Public Buildings	Library Facilities	Library CFMP	\$ 28,236,300	\$ 21,245,900	\$ (6,990,400)
Public Buildings	Preservation of Historic Facilities	City Historic Facilities CFMP	\$ 27,490,600	\$ 28,936,100	\$ -
Public Buildings	Public Health & Welfare Facilities	DCHS Consolidation and Co-Location	\$ 69,229,400	\$ 21,330,400	\$ (47,899,000)
Public Buildings	Public Health & Welfare Facilities	Health Department CFMP	\$ 3,816,700	\$ 241,500	\$ (3,575,200)
Public Buildings	Public Health & Welfare Facilities	Mental Health Residential Facilities CFMP	\$ 7,471,300	\$ 7,471,300	\$ -
Public Buildings	Public Safety Facilities	Alexandria Police CFMP	\$ 1,720,100	\$ 1,720,100	\$ -
Public Buildings	Public Safety Facilities	Courthouse CFMP	\$ 5,038,100	\$ 5,038,100	\$ -

Section	Subsection	Project	FY 21-30		Delta
			Requested	Proposed	
Public Buildings	Public Safety Facilities	Courthouse/PSC Security System Upgrade	\$ 6,335,800	\$ 6,373,800	\$ -
Public Buildings	Public Safety Facilities	Fire & Rescue CFMP	\$ 11,808,600	\$ 11,412,900	\$ (395,700)
Public Buildings	Public Safety Facilities	Fire Station 205 (Cameron Street)	\$ 23,921,000	\$ -	\$ (23,921,000)
Public Buildings	Public Safety Facilities	Fire Station 207 (Duke Street)	\$ 21,193,700	\$ 21,836,200	\$ -
Public Buildings	Public Safety Facilities	Fire Station 208 Replacement	\$ 39,858,000	\$ 11,350,000	\$ (28,508,000)
Public Buildings	Public Safety Facilities	New Burn Building	\$ 2,864,200	\$ 2,864,200	\$ -
Public Buildings	Public Safety Facilities	Office of the Sheriff CFMP	\$ 15,658,100	\$ 15,194,500	\$ (463,600)
Public Buildings	Public Safety Facilities	Vola Lawson Animal Shelter	\$ 3,310,700	\$ 3,310,700	\$ -
Sanitary Sewers	Sanitary Sewers	AlexRenew Wastewater Treatment Plant Capacity	\$ 2,251,100	\$ 2,251,100	\$ -
Sanitary Sewers	Sanitary Sewers	Combined Sewer Assessment & Rehabilitation	\$ 10,605,000	\$ 10,605,000	\$ -
Sanitary Sewers	Sanitary Sewers	Reconstructions & Extensions of Sanitary Sewers	\$ 8,100,000	\$ 8,100,000	\$ -
Sanitary Sewers	Sanitary Sewers	Sanitary Sewer Asset Renewal Program	\$ 32,750,000	\$ 32,750,000	\$ -
Stormwater Management	Stormwater Management	Four Mile Run Channel Maintenance	\$ 6,364,900	\$ 6,364,900	\$ -
Stormwater Management	Stormwater Management	Green Infrastructure	\$ 1,965,500	\$ 1,965,500	\$ -
Stormwater Management	Stormwater Management	MS4-TDML Compliance Water Quality Improvements	\$ 51,000,000	\$ 51,000,000	\$ -
Stormwater Management	Stormwater Management	NPDES / MS4 Permit	\$ 1,730,000	\$ 1,730,000	\$ -
Stormwater Management	Stormwater Management	Storm Sewer Capacity Assessment	\$ 19,338,150	\$ 19,338,150	\$ -
Stormwater Management	Stormwater Management	Storm Sewer System Spot Improvements	\$ 4,712,800	\$ 4,712,800	\$ -
Stormwater Management	Stormwater Management	Stormwater BMP Maintenance CFMP	\$ 3,657,500	\$ 3,657,500	\$ -
Stormwater Management	Stormwater Management	Stream & Channel Maintenance	\$ 4,927,700	\$ 4,927,700	\$ -
IT Plan	Document Management	Document Imaging	\$ 140,000	\$ 140,000	\$ -
IT Plan	Financial Systems	Business Tax System/Reciprocity Contractor System	\$ 305,000	\$ 305,000	\$ -
IT Plan	Financial Systems	Employee Pension Administration System	\$ -	\$ -	\$ -
IT Plan	Financial Systems	Enterprise Resource Planning System	\$ 400,000	\$ 200,000	\$ (200,000)
IT Plan	Financial Systems	Personal Property Tax System	\$ 3,195,239	\$ 3,195,239	\$ -
IT Plan	Financial Systems	Phone, Web, Portable Device Payment Portals	\$ 250,000	\$ 250,000	\$ -
IT Plan	Financial Systems	Real Estate Account Receivable System	\$ 800,000	\$ 200,000	\$ (600,000)
IT Plan	Financial Systems	Real Estate Assessment System (CAMA)	\$ 150,000	\$ 150,000	\$ -
IT Plan	Geographic Information Systems	GIS Development	\$ 525,000	\$ 525,000	\$ -
IT Plan	Network Services	Connectivity Initiatives	\$ 7,100,000	\$ 6,300,000	\$ (800,000)
IT Plan	Network Services	Database Infrastructure	\$ 400,000	\$ 200,000	\$ (200,000)
IT Plan	Network Services	Enterprise Camera System	\$ -	\$ -	\$ -
IT Plan	Network Services	Enterprise Collaboration	\$ 400,000	\$ 200,000	\$ (200,000)
IT Plan	Network Services	Enterprise Data Storage Infrastructure	\$ 1,800,000	\$ 1,800,000	\$ -
IT Plan	Network Services	Enterprise Service Catalog	\$ 920,000	\$ 320,000	\$ (600,000)
IT Plan	Network Services	Information Technology Equipment Replacement	\$ 9,000,000	\$ 8,100,000	\$ (900,000)
IT Plan	Network Services	Information Technology Lump Sum Funding	\$ 29,887,000	\$ 25,887,000	\$ (4,000,000)
IT Plan	Network Services	LAN Development	\$ 500,000	\$ 250,000	\$ (250,000)
IT Plan	Network Services	LAN/WAN Infrastructure	\$ 10,396,315	\$ 9,764,640	\$ (631,675)
IT Plan	Network Services	Municipal Fiber	\$ 3,666,360	\$ 3,544,000	\$ (122,360)
IT Plan	Network Services	Network Security	\$ 4,405,000	\$ 4,405,000	\$ -
IT Plan	Network Services	Network Server Infrastructure	\$ 2,210,000	\$ 1,310,000	\$ (900,000)
IT Plan	Network Services	Remote Access	\$ 1,010,000	\$ 510,000	\$ (500,000)
IT Plan	Network Services	Time & Attendance System Upgrade	\$ 175,000	\$ 175,000	\$ -
IT Plan	Network Services	Upgrade Work Station Operating Systems	\$ 2,400,000	\$ 1,100,000	\$ (1,300,000)
IT Plan	Network Services	Voice Over Internet Protocol (VoIP)	\$ 985,000	\$ 685,000	\$ (300,000)
IT Plan	Other System Development Projects	Application Portfolio Management	\$ -	\$ -	\$ -
IT Plan	Other System Development Projects	Council Chamber Technology Upgrade	\$ 946,000	\$ 506,000	\$ (440,000)
IT Plan	Other System Development Projects	Enterprise Maintenance Mgmt System	\$ 400,000	\$ 200,000	\$ (200,000)
IT Plan	Other System Development Projects	Fleet Management System	\$ 140,000	\$ 140,000	\$ -
IT Plan	Other System Development Projects	FOIA System Replacement	\$ 12,000	\$ 15,000	\$ -
IT Plan	Other System Development Projects	General Services Facilities Management System	\$ 1,501,500	\$ -	\$ (1,501,500)
IT Plan	Other System Development Projects	HIPAA & Related Health Information Technologies	\$ 250,000	\$ 250,000	\$ -
IT Plan	Other System Development Projects	Impound Lot System Replacement	\$ 200,000	\$ 200,000	\$ -
IT Plan	Other System Development Projects	Library Public Access Computers and Print Mgmt System	\$ 85,000	\$ 85,000	\$ -
IT Plan	Other System Development Projects	Library Scanning Equipment and DAMS	\$ 60,400	\$ 60,400	\$ -
IT Plan	Other System Development Projects	Library Self-Service Stations/Equipment	\$ 152,000	\$ 152,000	\$ -
IT Plan	Other System Development Projects	Office of Voter Registrations and Elections Equipment Replacement	\$ -	\$ 1,000,000	\$ -
IT Plan	Other System Development Projects	OHA Point-of-Sale System Replacement	\$ -	\$ 150,000	\$ -
IT Plan	Other System Development Projects	OHA Records Management System Replacement	\$ 150,000	\$ -	\$ (150,000)
IT Plan	Other System Development Projects	Permit Processing	\$ 1,700,000	\$ 1,700,000	\$ -
IT Plan	Other System Development Projects	Recreation Database System	\$ 150,000	\$ 480,000	\$ -
IT Plan	Other System Development Projects	Small Systems Replacements	\$ -	\$ 1,000,000	\$ -
IT Plan	Public Access Development	Customer Relationship Management System	\$ 1,525,000	\$ -	\$ (1,525,000)
IT Plan	Public Access Development	Electronic Government/Web Page	\$ 1,570,000	\$ 720,000	\$ (850,000)
IT Plan	Public Safety Systems	AJIS System	\$ 13,547,940	\$ 13,675,120	\$ -
IT Plan	Public Safety Systems	Computer Aided Dispatch (CAD) System Replacement	\$ 7,000,000	\$ 7,000,000	\$ -
IT Plan	Public Safety Systems	Courtroom Trial Presentation Technology	\$ 425,000	\$ 425,000	\$ -
IT Plan	Public Safety Systems	Electronic Citations Implementation	\$ -	\$ -	\$ -
IT Plan	Public Safety Systems	Fire Dept RMS	\$ 357,500	\$ 357,500	\$ -
IT Plan	Public Safety Systems	Parking Citation System Replacement	\$ 1,090,000	\$ 530,000	\$ (560,000)
IT Plan	Public Safety Systems	Radio System Upgrade	\$ 11,219,600	\$ 11,078,000	\$ (141,600)

Section	Subsection	Project	FY 21-30		Delta
			Requested	Proposed	
ACPS	ACPS	ACPS Capital Program	\$ 530,713,900	\$ 530,713,900	\$ -
CIP Development & Implementation Staff	City Manager's Office	Public Private Partnerships Coordinator (1.00 FTE)	\$ 1,324,000	\$ 1,322,000	\$ (2,000)
CIP Development & Implementation Staff	Department of General Services	General Services Capital Projects Staff (7.80)	\$ 13,203,370	\$ 13,481,410	\$ -
CIP Development & Implementation Staff	Department of Finance	Capital Procurement Personnel (7.60 FTE)	\$ 11,956,240	\$ 12,099,680	\$ -
CIP Development & Implementation Staff	Department of Planning & Zoning	Capital Project Development Team (2.00 FTE)	\$ 2,590,690	\$ 2,648,470	\$ -
CIP Development & Implementation Staff	Department of Project Implementation	Capital Project Implementation Non-Personnel Expenditures	\$ 2,088,500	\$ 2,088,500	\$ -
CIP Development & Implementation Staff	Department of Project Implementation	Capital Project Implementation Personnel (25.00 FTE)	\$ 43,728,980	\$ 45,792,920	\$ -
CIP Development & Implementation Staff	Department of Recreation, Parks, and Cultural Activities	Recreation & Parks Public Space Staffing (2.00 FTE)	\$ -	\$ 3,219,150	\$ -
CIP Development & Implementation Staff	Information Technology Services	IT Systems Implementation Staff (4.50 FTE)	\$ 6,091,300	\$ 6,220,540	\$ -
CIP Development & Implementation Staff	Office of Management & Budget	Capital Budget Staff (1.50 FTE)	\$ 1,745,820	\$ 2,184,770	\$ -
Other Regional Contributions	Other Regional Contributions	Northern Virginia Community College (NVCC)	\$ 4,172,363	\$ 4,172,363	\$ -
Other Regional Contributions	Other Regional Contributions	Northern Virginia Regional Park Authority (NVRPA)	\$ 4,829,404	\$ 4,829,404	\$ -
Transportation	Public Transit	DASH Bus Fleet Replacements	\$ 80,177,400	\$ 80,177,400	\$ -
Transportation	Public Transit	DASH Facility and Fleet Expansion	\$ 25,822,317	\$ 25,822,317	\$ -
Transportation	Public Transit	DASH Hybrid Bus and Trolley Powertrain Replacement	\$ 2,390,800	\$ 2,390,800	\$ -
Transportation	Public Transit	Transit Access & Amenities	\$ 1,723,123	\$ 1,723,123	\$ -
Transportation	Public Transit	WMATA Capital Contributions	\$ 165,342,000	\$ 165,342,000	\$ -
Transportation	High Capacity Transit Corridors	Transit Corridor "B" - Duke Street	\$ -	\$ -	\$ -
Transportation	High Capacity Transit Corridors	Transit Corridor "C" - West End Transitway	\$ 69,399,997	\$ 69,399,997	\$ -
Transportation	High Capacity Transit Corridors	Transitway Enhancements	\$ 454,491	\$ 454,491	\$ -
Transportation	Non-Motorized Transportation	Access Improvements at Landmark	\$ 6,334,630	\$ 6,334,630	\$ -
Transportation	Non-Motorized Transportation	Alexandria Mobility Plan	\$ -	\$ -	\$ -
Transportation	Non-Motorized Transportation	Backlick Run Multi-Use Paths	\$ 4,610,651	\$ 4,610,651	\$ -
Transportation	Non-Motorized Transportation	Capital Bikeshare	\$ 1,250,000	\$ 1,250,000	\$ -
Transportation	Non-Motorized Transportation	Complete Streets	\$ 9,041,670	\$ 8,645,280	\$ (396,390)
Transportation	Non-Motorized Transportation	Duke Street and West Taylor Run Safety Improvements	\$ 3,905,460	\$ 3,905,460	\$ -
Transportation	Non-Motorized Transportation	Old Cameron Run Trail	\$ 4,814,000	\$ 4,814,000	\$ -
Transportation	Non-Motorized Transportation	Shared-Use Paths	\$ 900,000	\$ 450,000	\$ (450,000)
Transportation	Non-Motorized Transportation	Sidewalk Capital Maintenance	\$ 5,133,800	\$ 5,133,800	\$ -
Transportation	Smart Mobility	Citywide Parking - Parking Technologies	\$ 1,329,736	\$ 1,329,736	\$ -
Transportation	Smart Mobility	Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	\$ 5,307,673	\$ 5,307,673	\$ -
Transportation	Smart Mobility	Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	\$ 1,827,700	\$ 1,827,700	\$ -
Transportation	Smart Mobility	Citywide Trans. Mgmt. Tech. - Transportation Technologies	\$ 2,047,900	\$ 2,047,900	\$ -
Transportation	Smart Mobility	DASH Electronic Fare Payment	\$ 750,000	\$ 750,000	\$ -
Transportation	Smart Mobility	DASH Technologies	\$ 855,745	\$ 855,745	\$ -
Transportation	Smart Mobility	Traffic Adaptive Signal Control	\$ 7,000,000	\$ 7,000,000	\$ -
Transportation	Streets and Bridges	Bridge Repairs	\$ 24,887,200	\$ 24,887,200	\$ -
Transportation	Streets and Bridges	Fixed Transportation Equipment	\$ 11,732,900	\$ 11,732,900	\$ -
Transportation	Streets and Bridges	Four Mile Run Bridge Program	\$ 20,000,000	\$ 20,000,000	\$ -
Transportation	Streets and Bridges	Seminary Road at Beauregard Street Ellipse	\$ -	\$ 36,400,000	\$ -
Transportation	Streets and Bridges	Street Reconstruction & Resurfacing of Major Roads	\$ 58,356,500	\$ 58,356,500	\$ -
			\$ 2,256,538,231	\$ 2,104,255,148	\$ (235,638,303)

## Appendix D: Operating Impacts

The following table indicates the FY 2021 - FY 2030 anticipated Operating Budget impacts resulting from implementation of the approved capital projects. Where applicable, a dollar amount impact is shown. All operating impacts are estimated and will be considered for inclusion in the annual operating budget in the appropriate fiscal year. In some cases, operating budget efficiencies or reductions in other areas may offset additional operating costs.

Note: Projects with a \$0 total funding are active capital projects funded in prior CIPs that do not require additional resources.

	FY 2020 and Before	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2021 - FY 2030
<b>Community Development</b>												
Oronoco Outfall Remediation Project	0	0	150,000	150,000	200,000	210,000	220,000	230,000	245,000	260,000	280,000	1,945,000
Transportation Signage & Wayfinding System	0	0	5,000	50,000	5,000	5,000	5,000	5,000	5,000	5,000	60,000	145,000
<b>Recreation &amp; Parks</b>												
Neighborhood Pool Demolition and Conversion	0	0	0	0	32,800	33,800	34,800	35,800	36,900	38,000	39,200	251,300
Old Town Pool Renovations	0	0	0	0	0	0	0	170,700	170,700	170,700	170,700	682,800
Patrick Henry Turf Fields and Recreation Center	0	0	0	0	3,500	3,600	3,700	3,800	3,900	4,100	4,200	26,800
<b>Public Buildings</b>												
Courthouse/PSC Security System Upgrade	0	0	279,100	292,800	307,200	322,300	338,100	354,700	372,200	390,600	494,600	3,151,600
<b>Transportation</b>												
Access Improvements at Landmark	0	0	0	0	0	0	3,000	3,100	3,200	3,300	21,400	34,000
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	0	0	350,300	363,100	376,500	390,600	405,400	420,900	437,200	454,300	472,200	3,670,500
Citywide Trans. Mgmt. Tech. - Transportation Technologies	0	0	2,500	2,600	2,700	2,700	2,800	2,900	3,000	3,100	3,200	25,500
DASH Electronic Fare Payment	0	0	60,000	61,800	63,700	65,600	67,500	69,600	71,600	73,800	76,000	609,600
DASH Facility and Fleet Expansion	0	0	0	5,334,300	5,546,300	8,751,600	9,103,200	9,462,200	9,843,700	10,240,100	10,644,000	68,925,400
DASH Technologies	0	0	0	0	50,000	51,500	53,000	54,600	56,300	58,000	59,700	383,100
Old Cameron Run Trail	0	0	0	0	0	9,100	9,400	9,700	13,000	13,400	16,800	71,400
Potomac Yard Metrorail Station <sup>1</sup>	0	0	1,395,000	2,959,900	3,048,700	3,140,200	3,234,400	3,331,400	3,431,300	3,534,200	3,640,200	27,715,300
Traffic Adaptive Signal Control	0	0	0	30,000	31,500	33,100	34,700	36,500	38,300	40,200	42,200	286,500
Transit Corridor "C" - West End Transitway	0	0	0	0	0	0	2,400,000	2,472,000	2,456,200	2,622,500	2,701,200	12,651,900
<b>Stormwater Management</b>												
Four Mile Run Channel Maintenance	0	0	0	99,400	104,400	109,600	115,100	120,800	126,900	133,200	139,900	949,300
Green Infrastructure	0	0	0	2,000	2,000	2,000	4,000	4,000	4,000	4,000	4,000	26,000
<b>IT Plan</b>												
Library Scanning Equipment and DAMS	0	0	8,400	8,600	8,900	9,100	9,400	9,700	10,000	10,300	10,600	85,000
Municipal Fiber	0	0	571,000	830,500	830,500	830,500	830,500	830,500	830,500	830,500	830,500	7,215,000
Personal Property Tax System	0	0	115,000	121,000	127,000	134,000	140,000	147,000	154,000	162,000	170,000	1,270,000
<b>Grand Total</b>	<b>0</b>	<b>0</b>	<b>2,936,300</b>	<b>10,306,000</b>	<b>10,740,700</b>	<b>14,104,300</b>	<b>17,014,000</b>	<b>17,774,900</b>	<b>18,312,900</b>	<b>19,051,300</b>	<b>19,880,600</b>	<b>130,121,000</b>

1. To be funded by Potomac Yard Station Fund revenue generated by Potomac Yard development and economic activity.

### Appendix E: Street, Sidewalk and Complete Streets Funding Summary

The table below summarizes the City’s capital efforts, for the next three years, related to street paving, sidewalk maintenance and Complete Streets in the FY 2021 – FY 2030 CIP.

Funding Source	Proposed FY 2021 - 2030 CIP		
	FY 2021	FY 2022	FY 2023
<b>Complete Streets</b>			
GO Bonds	\$ -	\$ 250,000	\$ 250,000
Cash Capital	\$ 860,280	\$ 823,000	\$ 536,000
Sub-Total	\$ 860,280	\$ 1,073,000	\$ 786,000
<b>Street Reconstruction &amp; Resurfacing of Major Roads</b>			
GO Bonds	\$ 4,867,949	\$ 4,165,000	\$ 3,635,000
TIP	\$ -	\$ -	\$ 700,000
State Revenue Sharing	\$ 632,051	\$ 1,500,000	\$ 1,500,000
Sub-Total	\$ 5,500,000	\$ 5,665,000	\$ 5,835,000
<b>Sidewalk Capital Maintenance</b>			
GO Bonds	\$ 600,000	\$ 309,000	\$ 636,600
Sub-Total	\$ 600,000	\$ 309,000	\$ 636,600
<b>Fixed Transportation Equipment (Signage/Signals/Markings Line Item)</b>			
GO Bonds	\$ 200,000	\$ 150,000	\$ 180,000
Sub-Total	\$ 200,000	\$ 150,000	\$ 180,000
<b>Total Consolidated Street CIP Funding</b>			
	<b>\$ 7,160,280</b>	<b>\$ 7,197,000</b>	<b>\$ 7,437,600</b>

Expenditures	Proposed FY 2021 - 2030 CIP		
	FY 2021	FY 2022	FY 2023
<b>Complete Streets</b>			
Sidewalk projects with paving projects	\$ 50,000	\$ 50,000	\$ 50,000
Street projects with paving projects	\$ 350,000	\$ 440,000	\$ 400,000
Non-paving projects	\$ 415,000	\$ 325,000	\$ 65,000
Staff	\$ 45,280	\$ 258,000	\$ 271,000
Sub-Total	\$ 860,280	\$ 1,073,000	\$ 786,000
<b>Street Resurfacing</b>			
Paving projects	\$ 5,300,000	\$ 5,415,000	\$ 5,635,000
Alley paving	\$ 200,000	\$ 250,000	\$ 200,000
Sub-Total	\$ 5,500,000	\$ 5,665,000	\$ 5,835,000
<b>Signage/Signals/Markings</b>			
Repair and upgrade traffic signal vehicle detection	\$ 50,000	\$ -	\$ 30,000
Markings	\$ 150,000	\$ 150,000	\$ 150,000
Sub-Total	\$ 200,000	\$ 150,000	\$ 180,000
<b>Sidewalks</b>			
Sidewalk projects	\$ 600,000	\$ 309,000	\$ 636,600
Sub-Total	\$ 600,000	\$ 309,000	\$ 636,600
<b>Total Consolidated Street CIP Expenditures</b>			
	<b>\$ 7,160,280</b>	<b>\$ 7,197,000</b>	<b>\$ 7,437,600</b>

Program	FY 21 Amount	
	dedicated to repaving	Percent of total FY 20 funding
Complete Streets	\$ 400,000	6%
Street Resurfacing	\$ 5,300,000	79%
Alleys	\$ 200,000	3%
Signage/Signals/Markings	\$ 200,000	3%
Sidewalks	\$ 600,000	9%
<b>Total</b>	<b>\$ 6,700,000</b>	<b>100%</b>