APPROVED CAPITAL IMPROVEMENT PROGRAM

Fiscal Year 2019 – 2028

CITY OF Alexandria VIRGINIA

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City of Alexandria, Virginia
Approved FY 2019 - 2028
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 Award

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For the Fiscal Year Beginning

July 1, 2017

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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 2017.

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.

Table of Contents

1. Table of Contents 1.1
2. CIP Overview 2.1
3. Summary Expenditure Tables 3.1
4. Summary Funding Tables 4.1
5. Strategic Plan..... ..... 5.1
6. Capital Project Details 6.1
7. Reservation of Bond Capacity/Cash Capital for City/School Facilities..... ..... 7.1
8. CIP Development & Implementation Staff..... ..... 8.1
9. Alexandria City Public Schools 9.1
10. Community Development 10.1
    a. Affordable Housing 10.3
    b. City-Wide Amenities 10.4
    c. Neighborhood Planning 10.10
    d. Public Safety Enhancements 10.14
    e. Waterways Maintenance & Improvements 10.17
11. Recreation and Parks 11.1
    a. Aquatics Facilities 11.3
    b. Open Space Acquisition and Development 11.7
    c. Park Maintenance & Improvements 11.8
    d. Recreation Facility Maintenance 11.35
    e. Renovated of New Recreation Facilities 11.43
12. Public Buildings 12.1
    a. General Government Facilities 12.3
    b. Library Facilities 12.21
    c. Preservation of Historic Facilities 12.24
    d. Public Health & Welfare Facilities 12.28
    e. Public Safety Facilities 12.32
13. Transportation & Transit 13.1
    a. Public Transit 13.7
    b. High-Capacity Transit Corridors 13.19
    c. Non-Motorized Transportation 13.22
    d. Streets & Bridges 13.43
    e. Fixed Transportation 13.57
14. Sanitary Sewers 14.1
15. Stormwater Management 15.1
16. Other Regional Contributions 16.1
17. IT Plan 17.1
    a. Document Management 17.4
    b. Financial Systems 17.5
    c. Geographic Information Systems 17.12
    d. Network Services 17.13
    e. Other System Development Projects 17.31
    f. Public Access Development 17.44
    g. Public Safety Systems 17.46
18. Legislative References 18.1
19. Appendices 19.1
    a. Appendix A – Projects Removed from the CIP 19.2
    b. Appendix B – Project Reporting Areas 19.3
    c. Appendix C – FY 2019 – 2028 Capital Projects Requested vs. Proposed 19.9
    d. Appendix D – Operating Impacts 19.13
    e. Appendix E – Street, Sidewalk, and Complete Streets Funding Summary 19.15

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

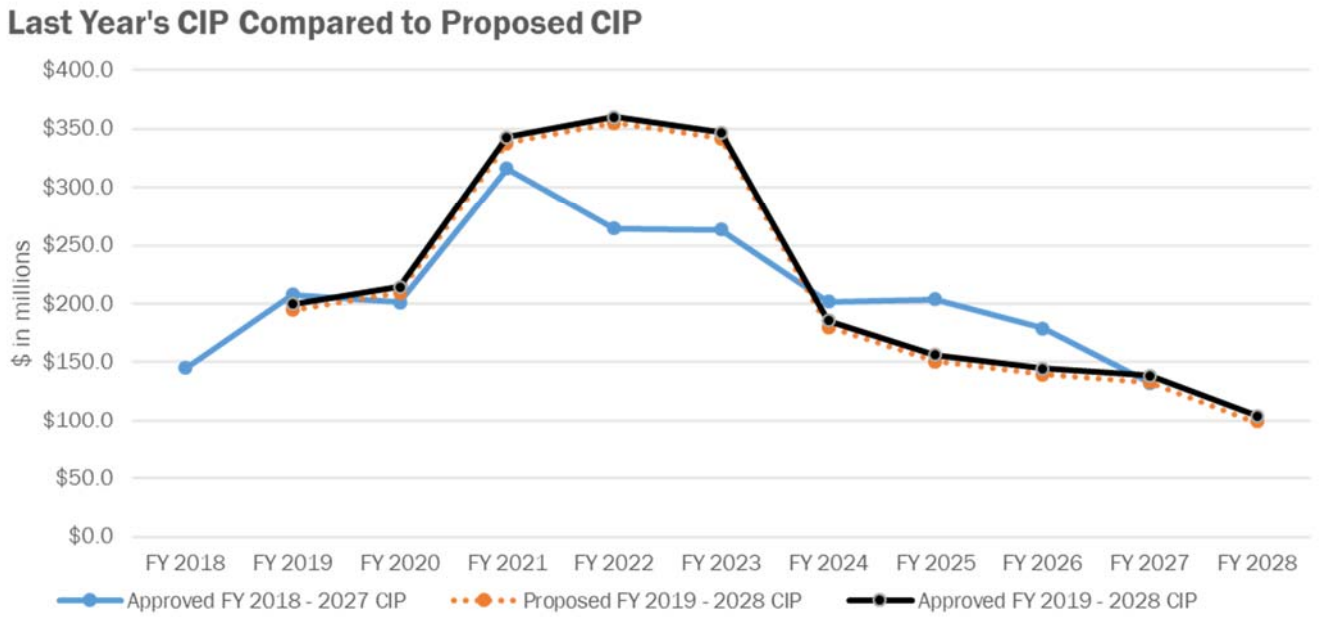
APPROVED CIP OVERVIEW

The City Council Approved FY 2019 – FY 2028 Capital Improvement Program (CIP) totals $2.192 billion, which represents a $77.4 million, or 3.7%, increase from the Approved FY 2018 – FY 2027 CIP. The Approved CIP reflects the project funding and timing recommended by the Ad-Hoc Joint City/School Facilities Investment Task Force for City and School facilities (for more information, see the Task Force Recommendations & Contingency Funding section).

The Approved 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 Approved CIP reflects the one percent increase in the restaurant meals tax (from 4% to 5%) that was included in the CIP as part of the City Council Add/Delete process and was dedicated to investments in Affordable Housing. For FY 2019 this equates to $4.8 million and over the 10-year plan, this represents a $50.4 million additional investment in Affordable Housing.

The City Council Approved FY 2019 – FY 2028 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 substantial investment in the City's combined sewer outfalls (CSO's) to meet State and Federal water quality mandates. Each of these investments are discussed in greater detail on the following pages.



CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

Supporting the City Strategic Structure

The City Council Approved FY 2019 – FY 2028 CIP supports the City's strategic plan and structure. In the Approved FY 2019 – FY 2028 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

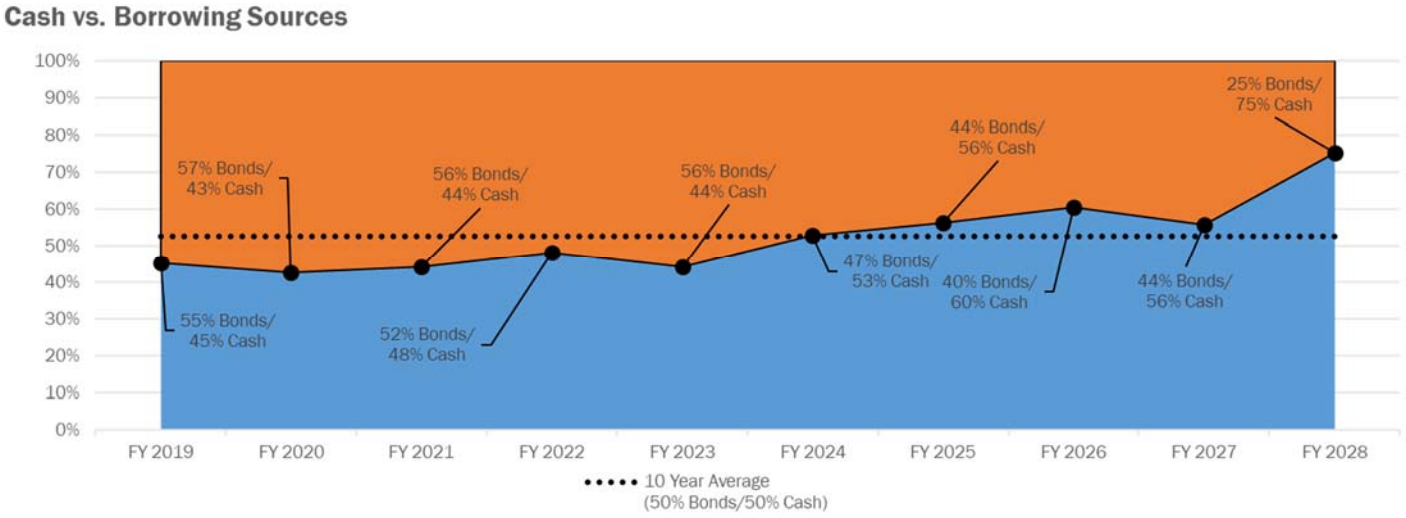
The funding makeup of the City's capital program is growing increasingly diverse each year. To help organize this complexity (which also brings new opportunities), the Approved FY 2019 – FY 2028 CIP divides revenue sources into three different types as noted below, with the table on the next page providing more detailed information.

- **Unrestricted City funds ($1.203 billion) -** Includes general cash sources and General Obligation Bond revenues for the base CIP program.
- **Restricted City funds ($561.3 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 ($427.4 million)** generally include State and Federal grants (including NVTA 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 50% cash / 50% borrowing structure in this year's adopted 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 45% cash / 55% borrowing structure.

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview



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 50% greatly exceeds the very healthy level of 25%. 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

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

Revenues	Approved FY 2018 - FY 2027	Approved FY 2019 - FY 2028	Difference
Unrestricted			
Cash Sources (Including G/F Transfer)	$ 420,103,723	$ 450,980,613	$ 30,876,890
G.O. Bonds	$ 756,191,638	$ 752,441,847	$ (3,749,791)
Subtotal, Unrestricted City Revenues	**$ 1,176,295,361**	**$ 1,203,422,460**	**$ 27,127,099**
Restricted			
Potomac Yard (Cash Sources)	$ -	$ 2,020,234	$ 2,020,234
Sanitary Sewer (Cash Sources)	$ 11,250,000	$ 17,638,652	$ 6,388,652
Sanitary Sewer (GO Bonds)	$ 348,863,000	$ 310,350,000	$ (38,513,000)
Stormwater Management (Cash Sources)	$ 22,685,000	$ 32,993,552	$ 10,308,552
Stormwater Management (GO Bonds)	$ 41,183,000	$ 42,018,000	$ 835,000
Transportation Improvement Program (Cash Sources)	$ 10,350,000	$ 15,322,703	$ 4,972,703
Meals Tax Dedication for Affordable Housing	$ -	$ 50,423,148	$ 50,423,148
Code Fund	$ 150,000	$ -	$ (150,000)
Pension Administrative Fees	$ 550,000	$ 550,000	$ -
TBD Dedicated Revenue Source (WMATA)	$ 80,000,000	$ 90,000,000	$ 10,000,000
Subtotal, Restricted City Revenues	**$ 515,031,000**	**$ 561,316,289**	**$ 46,285,289**
Non-City			
NVTA 70%	$ 59,740,000	$ 60,240,000	$ 500,000
NVTA 30%	$ 40,200,000	$ 39,450,000	$ (750,000)
Other State and Federal Grants	$ 139,970,650	$ 115,753,121	$ (24,217,529)
Private Capital Contributions	$ 71,965,213	$ 69,015,213	$ (2,950,000)
Comcast Revenues	$ 12,741,000	$ 12,121,000	$ (620,000)
Interjurisdictional Contributions	$ 53,845,000	$ 53,845,000	$ -
State CSO Capital Share	$ 45,000,000	$ 77,000,000	$ 32,000,000
Subtotal, Non-City Revenues	**$ 423,461,863**	**$ 427,424,334**	**$ 3,962,471**
Total, All Revenue Sources	**$ 2,114,788,224**	**$ 2,192,163,083**	**$ 77,374,859**

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

Project Categorization

The Approved FY 2019 – FY 2028 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 sanitary sewer and stormwater management systems; and
- Alexandria City Public Schools capital infrastructure needs.

Project Category	Total FY 2019 - 2028
Category 1 - Asset Maintenance	$ 520,576,931
Category 2 - Renovations/Existing Assets	$ 484,345,880
Category 3 - New Facilities	$ 448,857,614
Alexandria City Public Schools	$ 407,613,448
Information Technology Plan	$ 67,289,500
Affordable Housing	$ 50,423,148
Reservation of Bond Capacity/Cash Capital for City/School Facilities	$ 157,732,467
CIP Development & Implementation Staff	$ 55,324,095
Total, All Categories	**$ 2,192,163,083**

The Approved FY 2019 – FY 2028 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 2018 – FY 2027 CIP.

Similar to FY 2018, the Office of Management and Budget 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 adds 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;

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

- **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 related;
- **Affordable Housing** – represents the funding dedicated to Affordable Housing projects by City Council through the one percent increase in the restaurant and meals tax.
- **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. This includes outyear contingency funding for City and School facility projects reviewed by the Task Force, and funding for land acquisition for City and School facilities.
- **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 Approved FY 2019 – FY 2028 CIP reflects a vision for the City's future. The FY 2019 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 $448.9 million in Category 3 projects, $238.3 million (from both City and non-City sources) is for new and expanded transportation and transit infrastructure projects, including construction of the Beauregard/West End Transit Corridor (Strategic Theme 10 – Multimodal Transportation).

Other significant Category 3 projects include:

- Funding is included for capital infrastructure improvements associated with the Waterfront Plan Implementation ($55.9 million)
- Funding to continue improvements to City athletic fields and conversions to synthetic turf ($20.0 million)
- Funding to begin construction of High Capacity Transit Corridor "B"/Duke Street ($19.0 million)
- Funding to continue build-out of a City-owned fiber optic network ($5.0 million)

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 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 2019) 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 2019 – FY 2028

The Approved FY 2019 – FY 2028 CIP represents the second year of a two-year CIP development cycle. With the exception of projects under the purview of the Ad-Hoc Joint City/School Facilities Investment Task Force, changes to capital projects were largely restricted to changes in Non-City funding (i.e. State/Federal grants), and minor changes to project cost and timing. As such, the Approved FY 2019 – FY 2028 CIP follows the guidelines outlined during the development of the Approved FY 2018 – FY 2027 CIP. These guidelines included:

- Using the previously approved CIP as the “base” for the Approved FY 2019 – FY 2028 CIP;
- Incorporating City Council guidance 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 needs.

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

Development of Approved CIP

The development of the Approved FY 2019 – FY 2028 CIP began in August 2017, with the submission of project change requests by departments. FY 2019 represents the second year in a two-year CIP development cycle, so departments were asked to justify any project changes that could not wait until the next full CIP development cycle (FY 2020). Departments were asked to limit project changes to the following circumstances:

- The project is being delayed and funding is no longer needed on the schedule originally approved;
- The project has had a change in the amount and/or timing of Non-City funding;
- The project cost has been refined and needs to be reduced; or
- A significant increase in estimated project cost has been identified

Project change justification forms were due in mid-September 2017.

During the fall of 2017, two groups began meeting to discuss and make recommendations on the development of the CIP. First, the Peer Technical Review Committee met to discuss the various details of submitted projects change requests. The Peer Technical Review Committee consists of subject matter experts from the more capital project intensive departments in the City, and is chaired by the Director of the Department of Project Implementation. The members of the Peer Technical Review Committee reported back insights and recommendations to the CIP Steering Committee.

The CIP Steering Committee is the second body, and recommends 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 2019 – FY 2028 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 Office of Planning & Zoning. The Steering Committee is chaired by a Deputy City Manager and coordinated through the Office of Management and Budget. ACPS was invited to attend these meetings.

The CIP Steering Committee met throughout the fall 2017 and winter 2017/2018 to craft a balanced CIP recommendation for the City Manager and to outline major policy issues facing the CIP. The CIP Steering Committee largely incorporated the funding recommendations of the Joint City/School Facilities Investment Task Force into their CIP recommendation. The committee presented its recommendations to the City Manager in January 2018. Subsequently, the City Manager worked with OMB to finalize the project composition and funding levels recommended in the Proposed FY 2019 – FY 2028 CIP.

The City Manager presented the Proposed Operating Budget and CIP on February 20th to City Council. City Council and City staff held a series of budget worksessions in March, April and May to provide additional detail on the proposed budgets. Council had the opportunity to make changes to the Operating Budget and CIP through two Add/Delete meetings and then approved the operating budget and CIP on May 3rd.

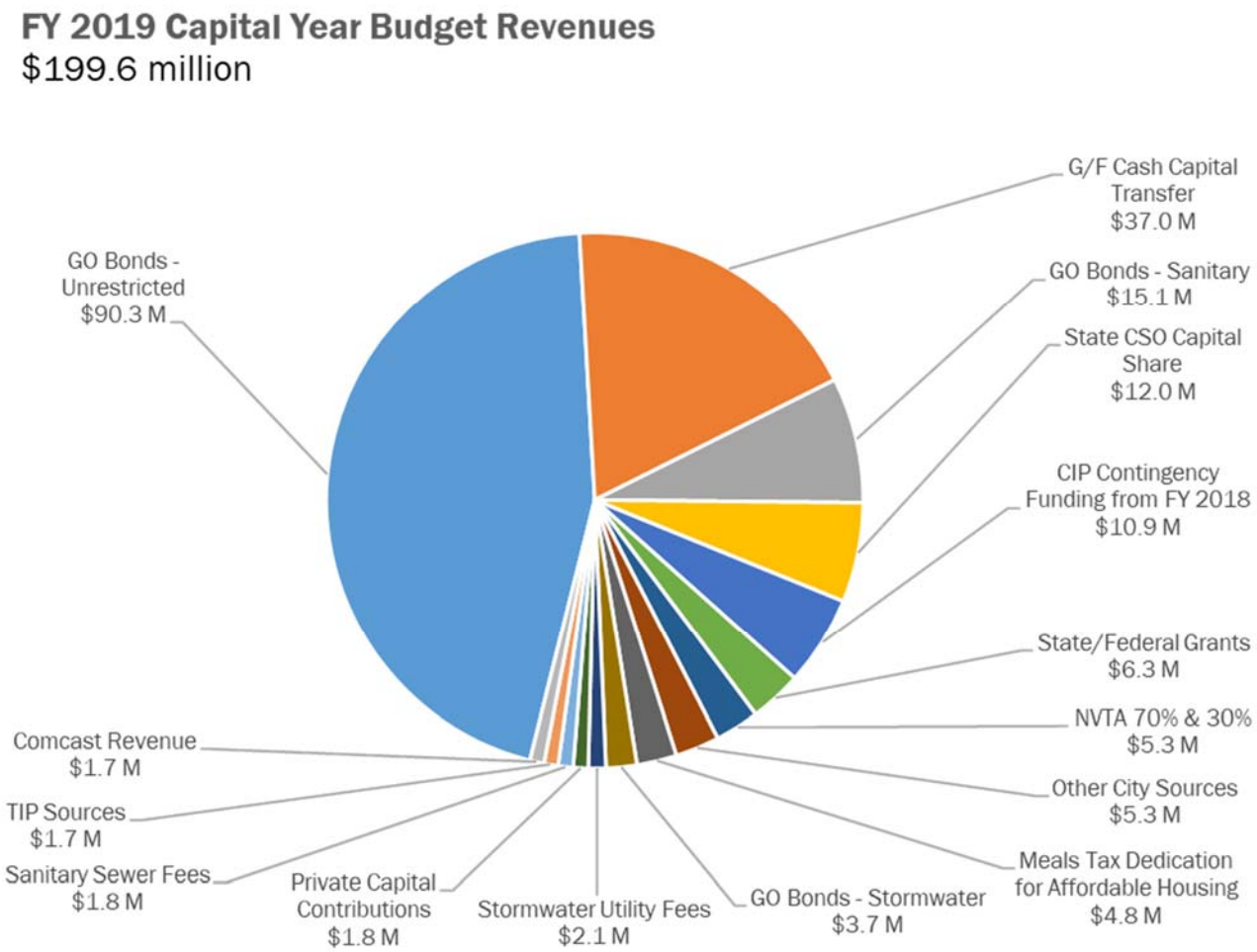
CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

FY 2019 PROPOSED CIP SOURCES AND USES

FY 2019 Capital Year Budget Revenues (Sources)

The total Approved single year CIP for FY 2019 is $199.6 million; a $8.2 million decrease from FY 2019 in last year's approved single year CIP. **A listing of all revenues included in the FY 2019 – FY 2028 CIP including the FY 2019 Capital Year Budget can be found in the Summary Funding Tables section of the Full CIP Document.**



CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

Revenue highlights of the Approved FY 2019 Capital Year Budget expenditures include:

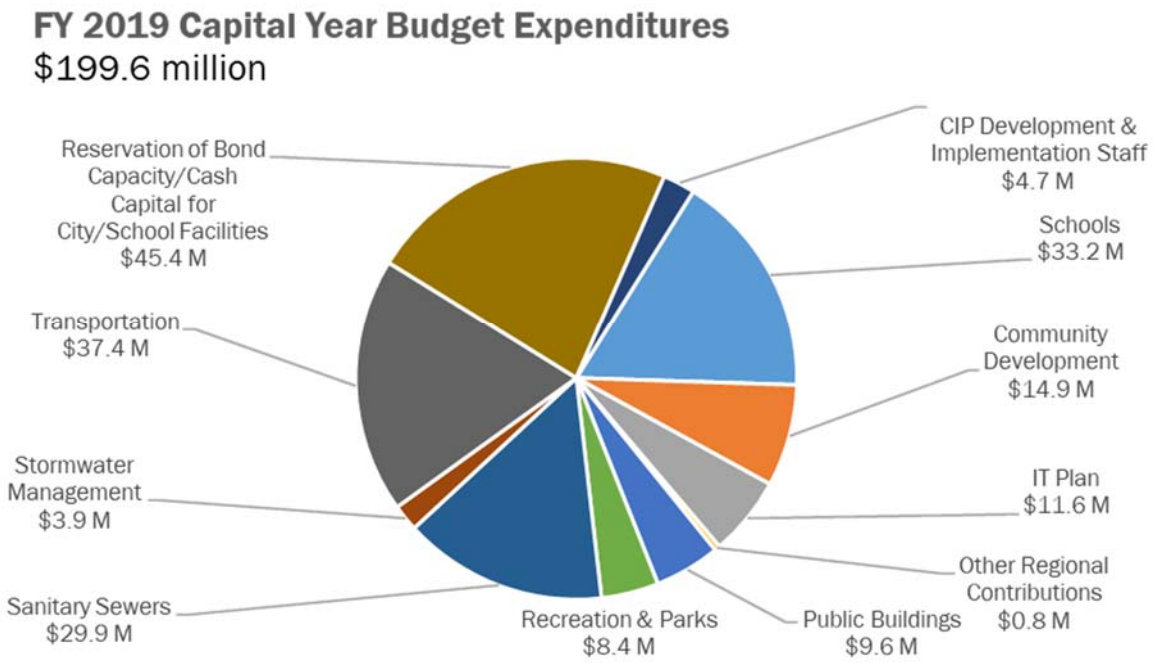
- FY 2019 revenues are split between borrowing (55.0%) and cash sources (45.0%). In municipal finance, there are no generally recognized specific mathematical benchmarks for cash capital funding. In general having an overall CIP which is 25% cash capital from all cash sources is considered very healthy.
- The General Fund Cash Capital Transfer amount is $37.0 million, or 4.9% 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 $15.0 million).
- During the FY 2017 and FY 2018 budget process, City Council added a total of five cents to the Real Property Tax Rate for use in augmenting the City's capital program. Revenue from these five cents has been planned as a funding source for the Approved FY 2019 – FY 2028 CIP.
- The Approved CIP reflects the one percent increase in the restaurant and meals tax that was included in the CIP as part of the Add/Delete process and was dedicated to investments in Affordable Housing. This dedication totals $4.8 million in FY 2019.
- The Approved FY 2019 CIP includes revenues from the recently implemented Stormwater Utility fee (the first billing occurred in January 2018). The Approved CIP includes $2.1 in revenue from the Stormwater Utility fee in FY 2019 and $3.7 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 $27.1 million.

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

FY 2019 Capital Year Budget Expenditures (Uses)

The total Approved CIP expenditures for FY 2019 are $199.6 million which represents a $8.2 million decrease from FY 2019 in last year's approved CIP. FY 2019 is the only year of the 10-year CIP that is formally appropriated by City Council. **A listing of all projects included in the FY 2019 – FY 2028 CIP including the FY 2019 Capital Year Budget can be found in the Summary Expenditure Tables section of the full CIP document.** The pie chart and the narrative below detail only FY 2019 Capital Year Budget highlights by CIP document section.



Project highlights of the Approved FY 2019 Capital Year Budget expenditures include:

- **Alexandria City Public Schools ($33.2 million FY 2019 Capital Year Budget)**
  - The Approved FY 2019 – FY 2028 CIP includes funding for 100% of the School Board's 10-year $474.7 million request. For FY 2019 the Approved CIP reflects funding for 100% of the School Board's $68.3 million request, with $33.2 million approved in direct funding and $35.15 million set aside in reserved bond capacity and cash capital for FY 2019 (reserving $30.0 million for land acquisition and $5.15 million for new high school planning and design). Both the City Council Approved 10-year CIP and the School Board approved 10-year CIP largely reflect the recommendations of the Ad Hoc Joint City/Schools Joint Facilities Task Force.

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

- **Transportation ($37.4 million FY 2019 Capital Year Budget)**
  - $29.7 million to support the WMATA Capital Improvement Program. This includes the use of $5.7 M in prior year funds dedicated to WMATA's capital program, $3.5 M in bond premium payouts held by WMATA, and $4.0 M from the City's Northern Virginia Transportation Commission (NVTC) fund balance. This recommended funding amount assumes that the new dedicated funding stream approved by the Virginia and Maryland General Assemblies as well as the D.C. City Council, will be used to support WMATA's $500 million per year enhanced CIP.
  - $5.3 million for Street Reconstruction and Resurfacing. This includes an additional $1.5 million of City funds to replace unrealized state revenue sharing funds in FY 2019. Resurfacing of lane miles will increase from an estimated 22 miles resurfaced in FY 2014, to over 55 miles resurfaced in FY 2019.
  - $4.0 million for Dash Bus Clean Diesel Fleet Replacements

- **Recreation and Parks ($8.4 million FY 2019 Capital Year Budget)**
  - $2.0 million for improvements to athletic fields and installation of synthetic turf at City park facilities
  - $0.9 million for repairs identified by the facilities condition assessment conducted at Chinquapin Recreation Center
  - $0.5 million for the renovation and maintenance of trees planted along City Streets, in parks, and on school grounds and other public properties

- **Public Buildings ($9.6 million FY 2019 Capital Year Budget)**
  - $6.4 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
  - $0.5 million to conduct high priority repairs to City Hall

- **Information Technology Plan ($11.6 million FY 2019 Capital Year Budget)**
  - $5.0 million to continue implementing the $10.0 million Municipal Fiber Broadband Project
  - $2.5 million in investments in Public Safety Systems, including $1.8 million to begin critical upgrades to the City's Public Safety Radio system.
  - $0.7 million to invest in the City's court records system (AJIS)
  - $2.1 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.

- **Sanitary Sewers ($29.9 million for FY 2019 Capital Year Budget)**
  - Includes $25.0 million to begin work on CSO 001-004 to meet the accelerated state mandated timeline of construction to mitigate sanitary sewer overflows. The Approved CIP assumed that $12.0 million of the cost in FY 2019 will be offset by state funding (with the $8.0 million balance of initial state funding to be expended in FY 2020). This state funding did not materialize for FY 2019, so only $13.0 million in City funds will be available.

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

- **Stormwater Management ($3.9 million FY 2019 Capital Year Budget)**
  - $0.4 million to continue Stream & Channel Maintenance projects
  - $1.3 million to continue restoration work at Lucky Run Stream, which will be partially offset by the $0.7 million Stormwater Local Assistance Fund (SLAF) grant awarded to the City.

- **Community Development ($10.2 million FY 2019 Capital Year Budget)**
  - $5.8 million to continue implementation of the Waterfront Small Area Plan
  - $4.8 million for investments in Affordable Housing. This project was added to the CIP during the Add/Delete process and represents the one percent increase in the restaurant meals tax approved by City Council and dedicated to Affordable Housing projects.
  - $1.3 million for planning work and studies at Landmark, Old Town North, and Eisenhower East

- **Other Regional Contributions ($0.8 million FY 2019 Capital Year Budget)**
  - $0.40 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 Approved CIP.

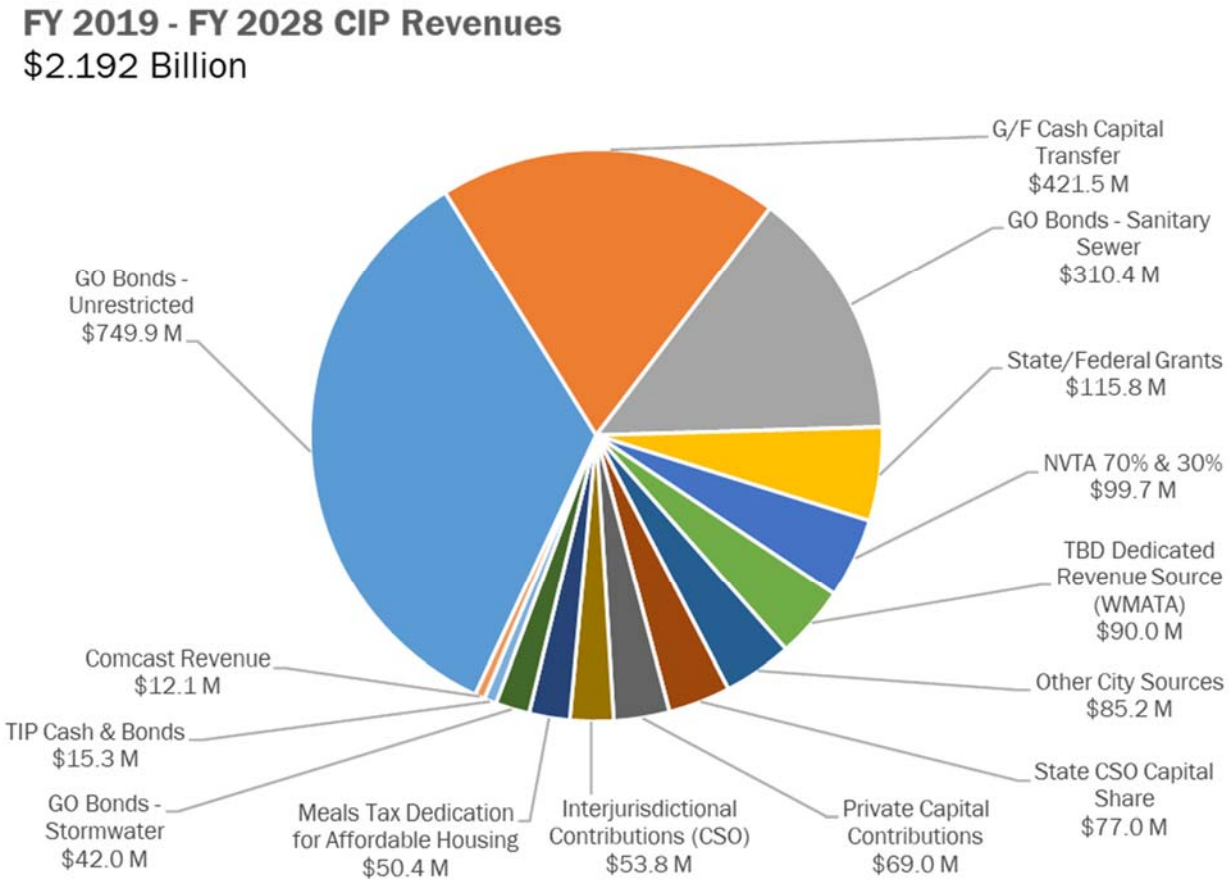
CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

FY 2019 – FY 2028 PROPOSED CIP SOURCES AND USES

FY 2019 – FY 2028 Capital Improvement Program – Ten-Year Sources and Uses Overview

The total Approved CIP for FY 2019 – FY 2028 is $2.192 billion, a $77.4 million increase over last year's approved CIP. This represents 3.7% increase over last year's plan. **A listing of all funding sources included in the FY 2019 – FY 2028 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.



CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

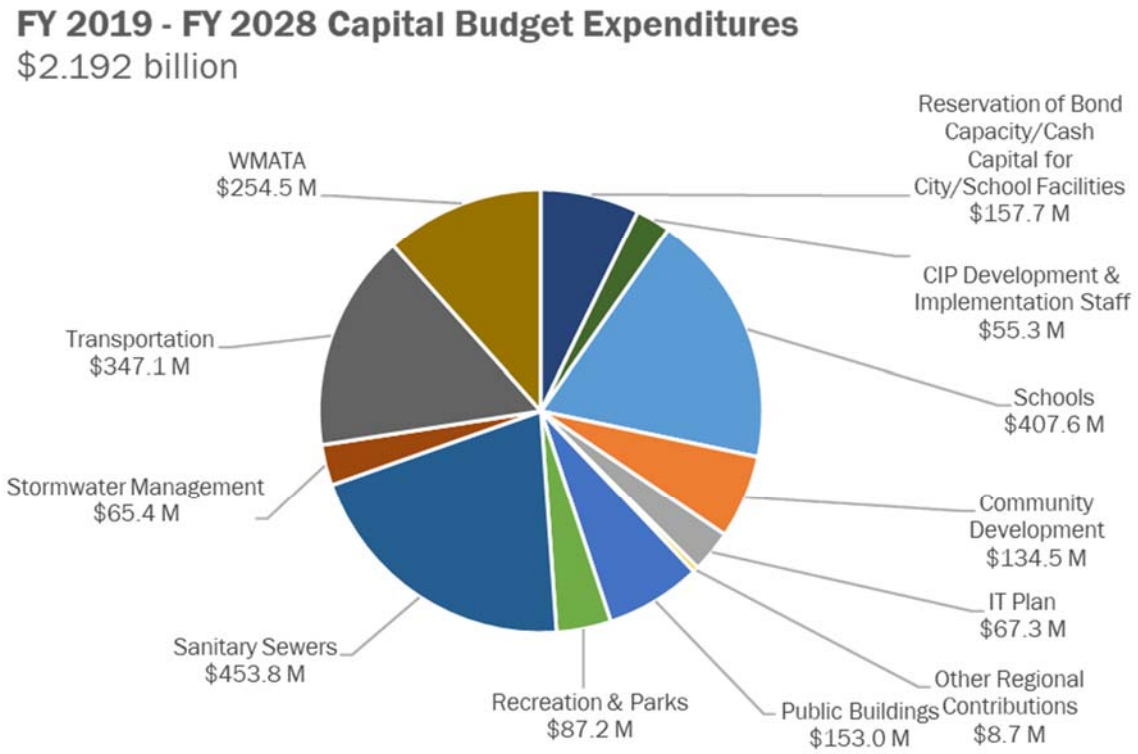
FY 2019 – FY 2028 CIP Revenue (Sources) highlights include:

- 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 $99.7 million is budgeted from NVTA sources in the FY 2019 – FY 2028 Approved CIP. The legislation recently passed by the Virginia General Assembly to provide dedicated capital funding to WMATA will, over time, impact the amount of NVTA regional and local funds available to other City transportation projects. City staff continues to work with regional and state partners to work through the details of the impact on these funding streams and to determine the path forward for investments in priority City transportation projects.
- To fund WMATA's capital needs, the Approved CIP reflects $254.5 million of local, regional, and state funds allocated to the WMATA Capital Subsidy. The legislation recently passed by the Virginia and Maryland General Assembly, as well as the D.C. City Council, to provide dedicated capital funding to WMATA will have an impact on the City's contributions to WMATA's capital program.
- The General Fund Cash Capital Transfer is above the City Council approved target of 2.5% of General Fund expenditures annually, averaging 5.0% over the ten-year plan. The percentage as it relates to total General Fund expenditures in FY 2019 is 4.9%.
- The Approved CIP reflects the one percent increase in the restaurant meals tax that was included in the CIP as part of the Add/Delete process and was dedicated to investments in Affordable Housing. This dedication totals $50.4 million over the 10-year plan.
- Private development contributions supporting capital infrastructure projects throughout the City totals $69.0 million.
- Stormwater Utility Fees will provide an estimated $33.0 million in funding for the Approved CIP and an additional $42.0 in utility fee backed GO Bonds.
- State and interjurisdictional contributions are projected at $130.8 million to support work to mitigate sanitary sewer overflows at the City's four combined sewer outflows. The State funding is estimated and not guaranteed and will need to be budgeted and approved by the General Assembly.

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

FY 2019 – FY 2028 CIP Project (Uses) highlights include:



- The School Board's Approved FY 2019 – FY 2028 CIP is fully funded in the City Council Approved CIP. This includes $407.6 million directly allocated to Alexandria City Public Schools over the life of the 10-year plan, $37.1 million held in a bond reserve/cash capital CIP account for school projects, and an additional $60.0 million of debt capacity reserved for land acquisition opportunities for City and School facilities.
- Sanitary Sewer funding totals $453.8 million, including $385.0 million to conduct state and federally mandated work to mitigate sanitary sewer overflows at the City's four combined sewer outflows.
- The Approved CIP includes $128.2 million to fund the City's Capital Facility Maintenance Programs (CFMPs) and other major renovations (i.e. City Hall).
- Stormwater funding totals $65.4 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 totals $55.9 million in the ten-year plan.
- Funding to construct the Transit Corridor "C" – West End Transitway totals $127.7 million in the ten year plan.
- Funding to continue the City's Street Reconstruction and Repaving program totals $51.3 million over the ten year plan.
- DASH Bus Fleet Replacements total $23.5 million over the ten-year plan.
- WMATA capital funding totaling $254.5 million. This capital support includes the City's portion of the purchase of new 7000 series railcars planned by WMATA between FY 2019 and FY 2023. This amount does not include $40.0 million over the ten-year plan from NVTC proceeds from state and gas tax funding which the City will use to offset some of the increased costs.

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

DEBT RATIOS, CASH CAPITAL, & DEBT SERVICE

The Approved FY 2019 – FY 2028 Capital Improvement Program assumes borrowing in the amount of $1.1 billion to fund the capital infrastructure needs identified throughout this document. Included in that amount are $310.4 million in bonds for the Sanitary Sewer projects backed by Sanitary Sewer connection and maintenance fees, and $42.0 million in bonds for Stormwater Management projects backed by the Stormwater Utility. A total of $749.9 million in bonds are planned over the ten years for other City projects, including Alexandria City Public Schools capital infrastructure needs (borrowing comprises $293.6 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 $785.0 million in principal payments on prior year and planned bond issuances. Of this $785.0 million in principal payments, $148.3 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 proposed 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

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

Debt Ratio	Previous Ratios			City Council Adopted Changes		
	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.

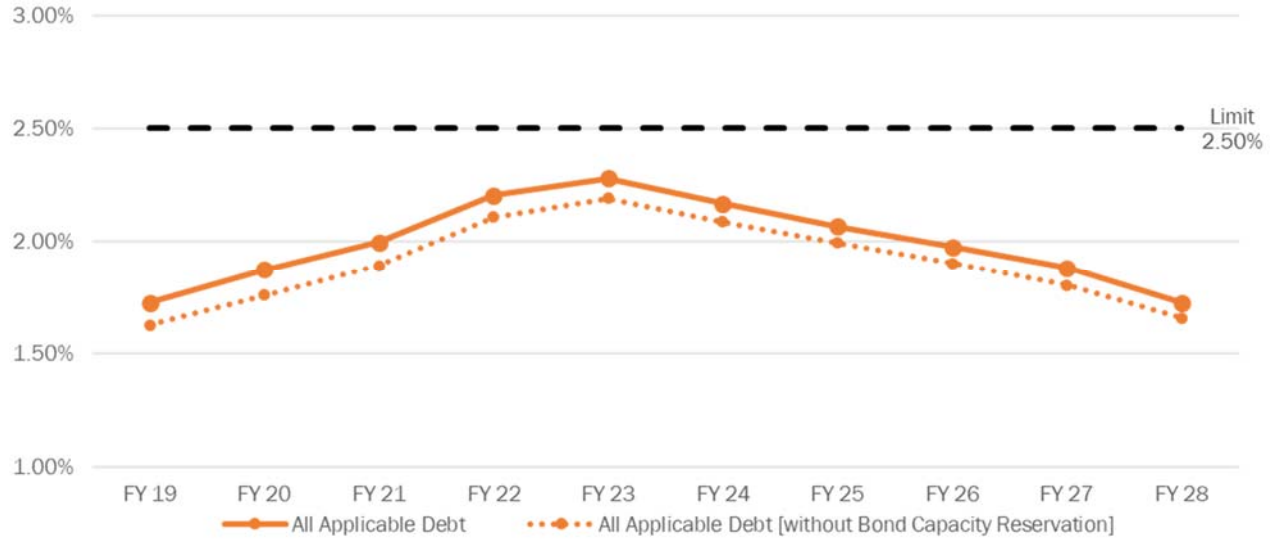
Bond Capacity Reservation for City & School Land Acquisition

The long-range debt forecasting for the Approved FY 2019 – FY 2028 CIP includes the reservation of bond capacity for land acquisition for City and School facilities, and for the to be determined costs to move and buildout a facility to co-locate DCHS services. The following pages illustrate the Approved FY 2019 – FY 2028 CIP's forecasted performance regarding the City's adopted debt ratios, with and without the bond capacity reservation.

CITY OF ALEXANDRIA, VIRGINIA

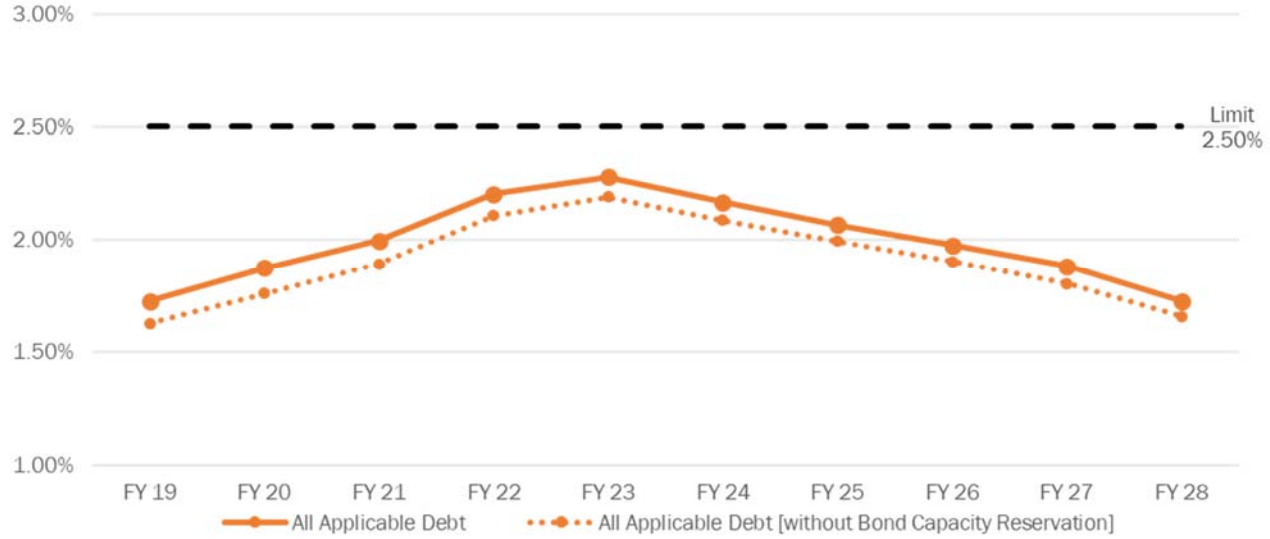
Approved FY 2019 – FY 2028 Capital Improvement Program Overview

Debt as a Percentage of Fair Market Real Property Value
Limit = 2.50 percent; FY 2019 = 1.73 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 2019 = 6.60 percent

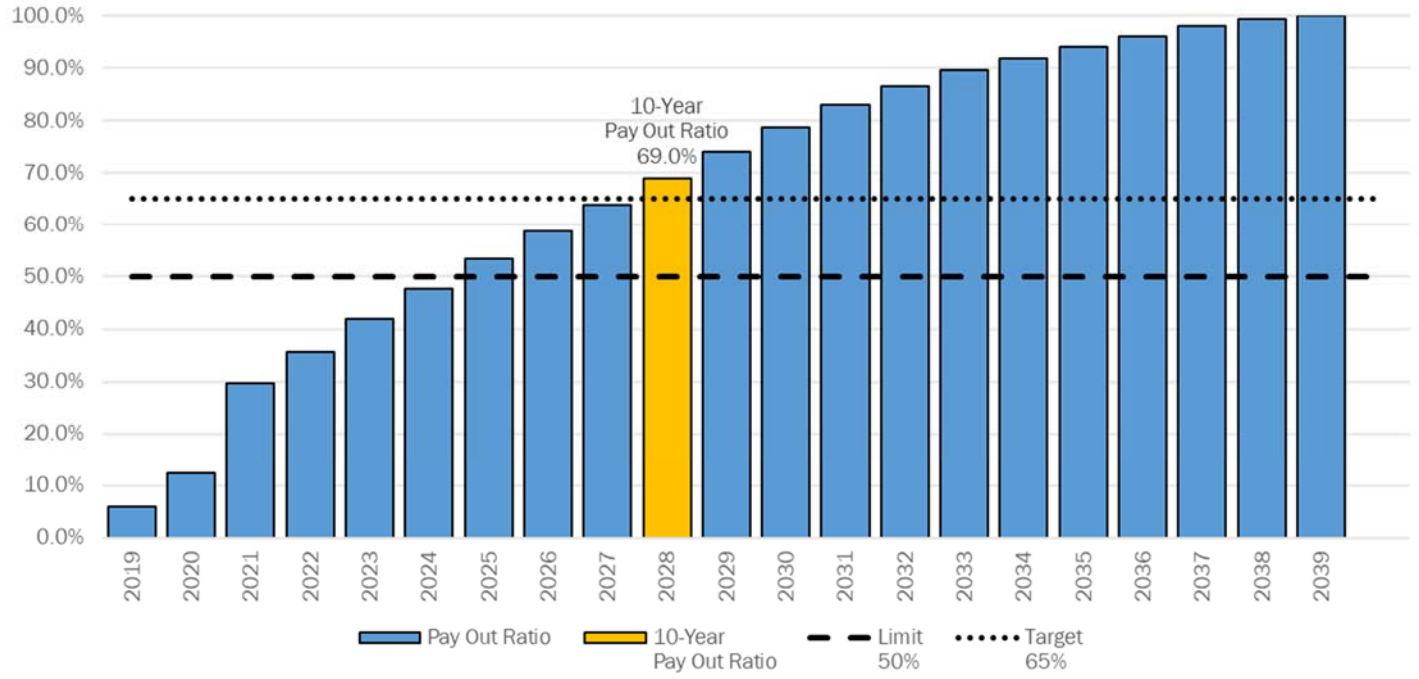


This ratio is a measure of the City's ability to repay debt without hampering other City services. A small ratio indicates a lesser burden on the City's operating budget. The City will be in compliance with this debt ratio for all 10 years.

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 Capital Improvement Program Overview

10-Year Debt Payout Ratio
Limit = 50.0 percent; Target = 65.0 percent; FY 2019 = 69.0 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.

The chart above represents the 10-Year Pay Out Ratio for existing outstanding debt, plus the forecasted debt payment schedule for the CY 2018/FY 2019 General Obligation Debt Issuance.

CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 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 adopted 10-year CIP reflects a cash capital transfer equal to 5% of General Fund expenditures which is double the adopted target level of 2.5%

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 38.7% of all cash sources used to finance the ten-year plan.

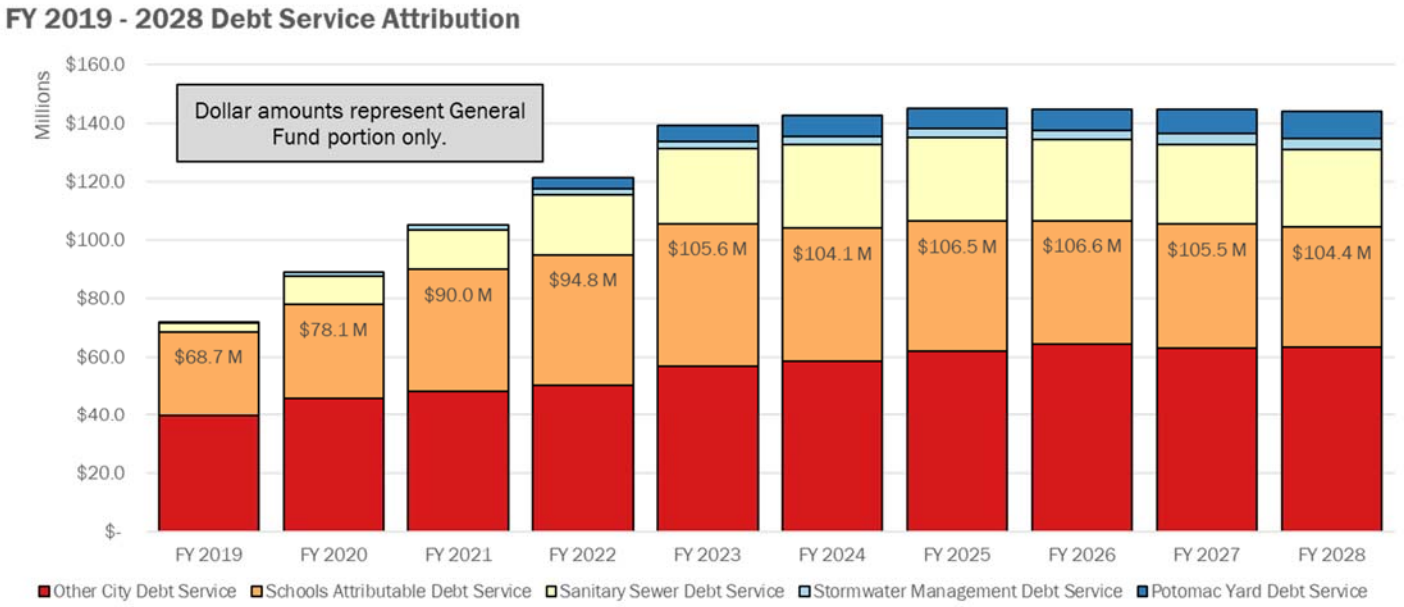
CITY OF ALEXANDRIA, VIRGINIA

Approved FY 2019 – FY 2028 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 2018) and planned debt (FY 2019 through FY 2028).

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 2019, $72.2 million is estimated for debt service payments, an increase of $0.2 million over last year's budgeted debt service payments. Of the $72.2 million total, $3.5 million will be paid from the Sanitary Sewer Fund and the Stormwater Utility enterprise funds.



Debt Service ($ in millions)	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
General Fund Supported Debt Service	$68.7	$78.1	$90.0	$94.8	$105.6	$104.1	$106.5	$106.6	$105.5	$104.4
Potomac Yard Debt Service*	$0.0	$0.0	$0.0	$4.0	$5.5	$7.2	$7.2	$7.2	$8.3	$9.2
Sanitary Sewer Debt Service	$2.8	$9.5	$13.6	$20.7	$25.9	$28.8	$28.6	$27.7	$27.1	$26.4
Stormwater Management Debt Service	$0.7	$1.3	$1.7	$2.0	$2.2	$2.6	$3.0	$3.4	$3.9	$4.1
Total Debt Service	**$72.2**	**$88.9**	**$105.3**	**$121.5**	**$139.1**	**$142.6**	**$145.3**	**$144.8**	**$144.8**	**$144.1**
Total $ Change Over Prior Year	$0.2	$16.7	$16.4	$16.2	$17.6	$3.5	$2.7	-$0.5	$0.0	($0.7)
Total % Change Over Prior Year	0.3%	23.1%	18.4%	15.4%	14.5%	2.5%	1.9%	-0.3%	0.0%	-0.5%

*Based on October 2017 projections. Given increased station costs, actual debt service will increase above these levels.

CITY OF ALEXANDRIA, VIRGINIA

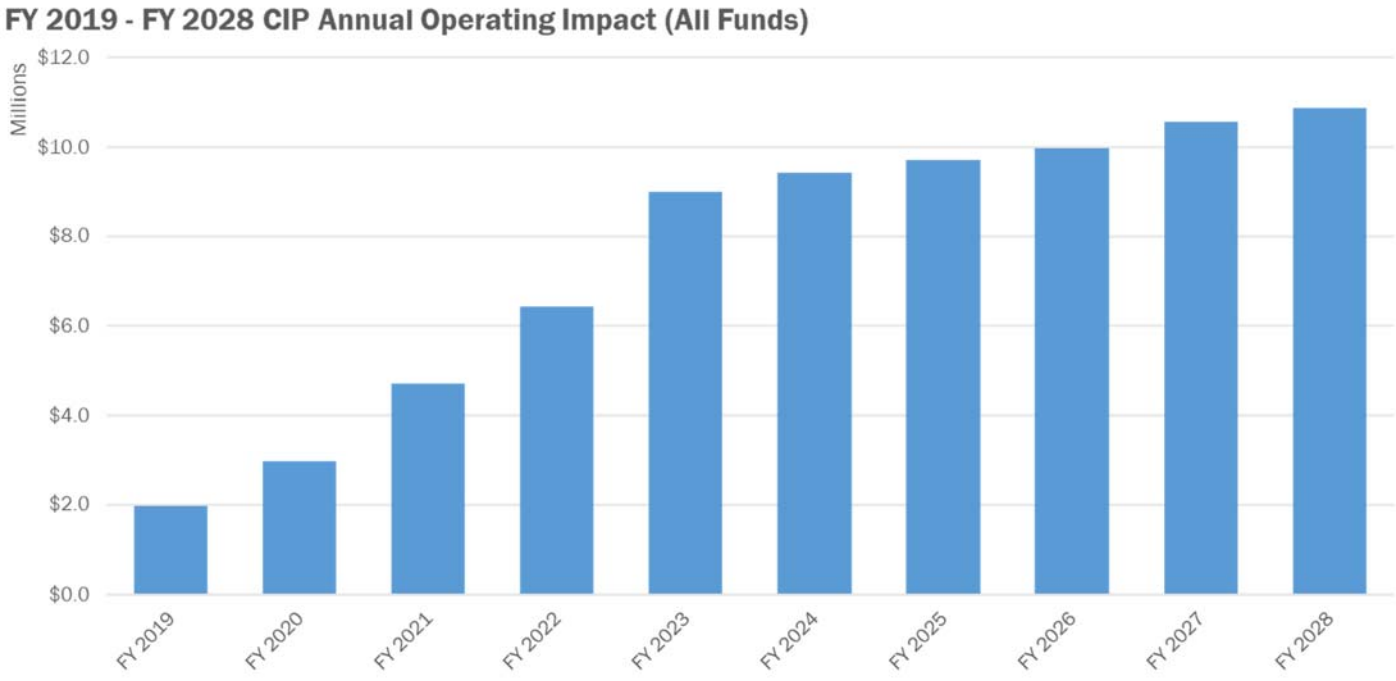
Approved FY 2019 – FY 2028 Capital Improvement Program Overview

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 Approved FY 2019 – FY 2028 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 $10.9 million in additional resources needed in FY 2028 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 2020 and FY 2023. This is predominantly attributed to the anticipated operating costs of the completed Transit Corridor "C" – West End Transitway, and the increase in the City's WMATA operating subsidy due to the opening of the Potomac Yard Metrorail Station.

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.



SUMMARY EXPENDITURE TABLES

Table 1
Approved FY 2019 – 2028 Capital Improvement Program
Total Sources and Uses of Capital Improvement Program Funds

Source of Funds	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	TOTAL FY 2019 - 2028
All City Cash Sources (Cash Capital)											
General Fund Planned Appropriations (Transfer from General Fund)	$ 36,966,696	$ 38,295,000	$ 39,332,000	$ 40,388,000	$ 41,486,000	$ 42,605,000	$ 43,759,000	$ 44,943,000	$ 46,248,000	$ 47,497,000	$ 421,519,696
CIP Contingency Funding from FY 2018	$ 10,870,400	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ 10,870,400
Prior Year CIP/Projects Closed-Out/Available Balances	$ 4,509,517	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 9,009,517
Use of Available Bond Premium	$ -	$ 1,600,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,600,000
Use of CIP Designated Fund Balance	$ -	$ 1,050,000	$ 4,200,000	$ 2,731,000							$ 7,981,000
Subtotal, All Unrestricted City Cash Sources	$ 52,346,613	$ 41,445,000	$ 44,032,000	$ 43,619,000	$ 41,986,000	$ 43,105,000	$ 44,259,000	$ 45,443,000	$ 46,748,000	$ 47,997,000	$ 450,980,613
Unrestricted Borrowing Sources											
General Obligation Bonds (Excl. Sewers/TIP/Potomac Yard)	$ 90,266,620	$ 59,751,238	$ 142,113,541	$ 103,996,989	$ 123,141,876	$ 48,557,245	$ 54,525,890	$ 51,891,106	$ 53,523,942	$ 22,123,945	$ 749,892,392
General Obligation Bond Interest Earnings	$ 299,455	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 2,549,455
Subtotal, All Unrestricted City Sources	$ 142,912,688	$ 101,446,238	$ 186,395,541	$ 147,865,989	$ 165,377,876	$ 91,912,245	$ 99,034,890	$ 97,584,106	$ 100,521,942	$ 70,370,945	$ 1,203,422,460
Restricted City Sources											
Pension Administrative Fees	$ 300,000	$ 50,000	$ -	$ -	$ -	$ 175,000	$ 25,000	$ -	$ -	$ -	$ 550,000
Meals Tax Dedication for Affordable Housing	$ 4,750,000	$ 4,812,700	$ 4,876,228	$ 4,940,594	$ 5,005,810	$ 5,071,886	$ 5,138,835	$ 5,206,668	$ 5,275,396	$ 5,345,031	$ 50,423,148
Sanitary Sewer Fees	$ 1,757,592	$ 1,677,354	$ 1,697,682	$ 1,718,571	$ 1,740,139	$ 1,762,303	$ 1,785,181	$ 1,808,791	$ 1,833,053	$ 1,857,986	$ 17,638,652
General Obligation Bonds - Sanitary Sewers	$ 15,050,000	$ 58,910,000	$ 44,515,000	$ 79,125,000	$ 67,475,000	$ 33,975,000	$ 8,675,000	$ 675,000	$ 975,000	$ 975,000	$ 310,350,000
Stormwater Utility Fees	$ 2,114,530	$ 2,284,200	$ 2,434,433	$ 2,035,225	$ 2,661,693	$ 4,088,754	$ 4,176,525	$ 4,205,026	$ 4,734,175	$ 4,258,991	$ 32,993,552
General Obligation Bonds - Stormwater Management	$ 3,683,000	$ 4,050,000	$ 4,100,000	$ 3,275,000	$ 3,275,000	$ 4,775,000	$ 4,715,000	$ 4,715,000	$ 6,715,000	$ 2,715,000	$ 42,018,000
Cash Capital - Transportation Improvement Program	$ 1,249,955	$ 924,348	$ 1,787,085	$ 700,157	$ 1,913,673	$ 1,477,543	$ 1,741,878	$ 1,506,690	$ 1,771,888	$ 1,787,486	$ 14,860,703
Reprogrammed Transportation Improvement Program Funds	$ 462,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 462,000
Potomac Yard Special Tax District Revenue	$ 176,226	$ 181,513	$ 186,958	$ 192,567	$ 198,344	$ 204,294	$ 210,423	$ 216,736	$ 223,238	$ 229,935	$ 2,020,234
TBD Dedicated Revenue Source (WMATA)	$ -	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 90,000,000
Subtotal, Restricted City Sources	$ 29,543,303	$ 82,890,115	$ 69,597,386	$ 101,987,114	$ 92,269,659	$ 61,529,780	$ 36,467,842	$ 28,333,911	$ 31,527,750	$ 27,169,429	$ 561,316,289
Non-City Sources											
CMAQ/RSTP	$ 3,490,800	$ 1,758,158	$ 3,507,737	$ 1,350,000	$ 1,500,000	$ -	$ -	$ -	$ -	$ -	$ 11,606,695
Comcast Revenues	$ 1,700,000	$ 1,700,000	$ 1,700,000	$ 908,000	$ 939,000	$ 970,000	$ 1,004,000	$ 1,040,000	$ 1,080,000	$ 1,080,000	$ 12,121,000
Developer Contributions	$ 1,730,000	$ 4,545,213	$ 16,280,000	$ 16,780,000	$ 80,000	$ 2,680,000	$ 12,180,000	$ 12,580,000	$ 80,000	$ 80,000	$ 67,015,213
Interjurisdictional Contributions (CSO)	$ -	$ 4,360,000	$ 16,985,000	$ 18,300,000	$ 14,200,000	$ -	$ -	$ -	$ -	$ -	$ 53,845,000
NVTA 30%	$ 5,050,000	$ 4,875,000	$ 2,775,000	$ 4,200,000	$ 3,650,000	$ 4,100,000	$ 3,700,000	$ 3,700,000	$ 3,700,000	$ 3,700,000	$ 39,450,000
NVTA 70%	$ 250,000	$ 250,000	$ 20,000,000	$ 20,000,000	$ 19,740,000	$ -	$ -	$ -	$ -	$ -	$ 60,240,000
Private Capital Contributions	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 1,100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 2,000,000
State/Federal Grants	$ 2,794,426	$ 2,783,000	$ 13,916,000	$ 28,062,000	$ 28,591,000	$ 14,500,000	$ -	$ -	$ -	$ -	$ 90,646,426
State CSO Capital Share	$ 12,000,000	$ 8,000,000	$ 10,000,000	$ 19,000,000	$ 19,000,000	$ 7,000,000	$ 2,000,000	$ -	$ -	$ -	$ 77,000,000
State Revenue Sharing	$ -	$ 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	$ 13,500,000
Subtotal, Non-City Sources	$ 27,115,226	$ 29,871,371	$ 86,763,737	$ 110,200,000	$ 89,300,000	$ 31,850,000	$ 20,484,000	$ 18,920,000	$ 6,460,000	$ 6,460,000	$ 427,424,334
Total, All Sources	**$ 199,571,217**	**$ 214,207,724**	**$ 342,756,664**	**$ 360,053,103**	**$ 346,947,535**	**$ 185,292,025**	**$ 155,986,732**	**$ 144,838,017**	**$ 138,509,692**	**$ 104,000,374**	**$ 2,192,163,083**

All Uses (CIP Document Section)	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	TOTAL FY 2019 - 2028
Schools	$ 33,181,789	$ 26,220,826	$ 113,682,830	$ 68,920,000	$ 53,425,000	$ 27,649,459	$ 25,325,970	$ 11,951,000	$ 32,155,086	$ 15,101,488	$ 407,613,448
Community Development	$ 14,925,060	$ 10,703,500	$ 11,910,828	$ 19,891,994	$ 15,265,310	$ 7,753,486	$ 20,908,835	$ 15,079,368	$ 8,221,796	$ 9,833,131	$ 134,493,308
IT Plan	$ 11,611,000	$ 6,720,000	$ 7,965,500	$ 5,749,000	$ 5,728,000	$ 5,468,000	$ 5,738,500	$ 6,261,000	$ 5,813,000	$ 6,235,500	$ 67,289,500
Other Regional Contributions	$ 759,226	$ 847,000	$ 855,000	$ 864,000	$ 872,000	$ 881,000	$ 889,000	$ 898,000	$ 908,000	$ 917,000	$ 8,690,226
Public Buildings	$ 9,560,750	$ 14,710,000	$ 19,285,750	$ 18,769,750	$ 41,570,250	$ 10,368,250	$ 8,542,500	$ 21,226,250	$ 6,216,500	$ 2,727,250	$ 152,977,250
Recreation & Parks	$ 8,358,000	$ 8,769,213	$ 7,829,000	$ 7,647,000	$ 8,397,000	$ 12,747,000	$ 7,947,000	$ 8,122,000	$ 8,817,000	$ 8,612,000	$ 87,245,213
Sanitary Sewers	$ 29,900,000	$ 73,195,000	$ 73,600,000	$ 117,250,000	$ 101,500,000	$ 41,800,000	$ 11,500,000	$ 1,500,000	$ 1,800,000	$ 1,800,000	$ 453,845,000
Stormwater Management	$ 3,861,720	$ 4,735,000	$ 4,740,000	$ 4,770,000	$ 5,375,000	$ 8,280,000	$ 8,285,000	$ 8,290,000	$ 10,795,000	$ 6,295,000	$ 65,426,720
Transportation	$ 37,366,961	$ 51,900,158	$ 91,503,737	$ 104,467,000	$ 88,361,000	$ 54,830,000	$ 48,880,000	$ 48,330,000	$ 38,130,000	$ 37,757,000	$ 601,525,856
Reservation of Bond Capacity/Cash Capital for City/School Facilities	$ 45,360,126	$ 11,551,174	$ 6,352,170	$ 6,510,000	$ 21,050,000	$ 9,914,041	$ 12,164,530	$ 17,162,500	$ 19,414,414	$ 8,253,512	$ 157,732,467
CIP Development & Implementation Staff	$ 4,686,585	$ 4,855,853	$ 5,031,849	$ 5,214,359	$ 5,403,975	$ 5,600,789	$ 5,805,397	$ 6,017,899	$ 6,238,896	$ 6,468,493	$ 55,324,095
Grand Total	**$ 199,571,217**	**$ 214,207,724**	**$ 342,756,664**	**$ 360,053,103**	**$ 346,947,535**	**$ 185,292,025**	**$ 155,986,732**	**$ 144,838,017**	**$ 138,509,692**	**$ 104,000,374**	**$ 2,192,163,083**

% from Bonds	54.6%	57.3%	55.6%	51.8%	55.9%	47.1%	43.5%	39.5%	44.2%	24.8%	50.3%
% from City and Other Cash Sources	45.4%	42.7%	44.4%	48.2%	44.1%	52.9%	56.5%	60.5%	55.8%	75.2%	49.7%

Table 2
Approved FY 2019 – 2028 Capital Improvement Program
Summary of Capital Improvement Program Expenditures – City Share

All Uses (CIP Document Section)	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	TOTAL FY 2019 - 2028
Schools	$ 33,181,789	$ 26,220,826	$ 113,682,830	$ 68,920,000	$ 53,425,000	$ 27,649,459	$ 25,325,970	$ 11,951,000	$ 32,155,086	$ 15,101,488	$ 407,613,448
Community Development	$ 14,595,060	$ 10,623,500	$ 11,830,828	$ 19,811,994	$ 15,185,310	$ 7,673,486	$ 20,828,835	$ 14,999,368	$ 8,141,796	$ 9,753,131	$ 133,443,308
IT Plan	$ 9,911,000	$ 5,020,000	$ 6,265,500	$ 4,841,000	$ 4,789,000	$ 4,498,000	$ 4,734,500	$ 5,221,000	$ 4,733,000	$ 5,155,500	$ 55,168,500
Other Regional Contributions	$ 759,226	$ 847,000	$ 855,000	$ 864,000	$ 872,000	$ 881,000	$ 889,000	$ 898,000	$ 908,000	$ 917,000	$ 8,690,226
Public Buildings	$ 9,560,750	$ 14,710,000	$ 19,285,750	$ 18,769,750	$ 41,570,250	$ 10,368,250	$ 8,542,500	$ 21,226,250	$ 6,216,500	$ 2,727,250	$ 152,977,250
Recreation & Parks	$ 8,258,000	$ 7,704,000	$ 7,729,000	$ 7,547,000	$ 8,297,000	$ 11,647,000	$ 7,847,000	$ 8,022,000	$ 8,717,000	$ 8,512,000	$ 84,280,000
Sanitary Sewers	$ 17,900,000	$ 60,835,000	$ 46,615,000	$ 79,950,000	$ 68,300,000	$ 34,800,000	$ 9,500,000	$ 1,500,000	$ 1,800,000	$ 1,800,000	$ 323,000,000
Stormwater Management	$ 3,193,000	$ 4,735,000	$ 4,740,000	$ 4,770,000	$ 5,375,000	$ 8,280,000	$ 8,285,000	$ 8,290,000	$ 10,795,000	$ 6,295,000	$ 64,758,000
Transportation	$ 25,050,455	$ 37,234,000	$ 33,605,000	$ 32,655,000	$ 33,380,000	$ 32,130,000	$ 31,580,000	$ 30,630,000	$ 32,930,000	$ 32,557,000	$ 321,751,455
Reservation of Bond Capacity/Cash Capital for City/School Facilities	$ 45,360,126	$ 11,551,174	$ 6,352,170	$ 6,510,000	$ 21,050,000	$ 9,914,041	$ 12,164,530	$ 17,162,500	$ 19,414,414	$ 8,253,512	$ 157,732,467
CIP Development & Implementation Staff	$ 4,686,585	$ 4,855,853	$ 5,031,849	$ 5,214,359	$ 5,403,975	$ 5,600,789	$ 5,805,397	$ 6,017,899	$ 6,238,896	$ 6,468,493	$ 55,324,095
TOTAL Approved FY 2019 - FY 2028 (City Share)	**$ 172,455,991**	**$ 184,336,353**	**$ 255,992,927**	**$ 249,853,103**	**$ 257,647,535**	**$ 153,442,025**	**$ 135,502,732**	**$ 125,918,017**	**$ 132,049,692**	**$ 97,540,374**	**$ 1,764,738,749**

Table 3
Approved FY 2019 – 2028 Capital Improvement Program
Summary of Capital Improvement Program Expenditures – Non-City Share

All Uses (CIP Document Section)	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	TOTAL FY 2019 - 2028
Schools	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Community Development	$ 330,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 1,050,000
IT Plan	$ 1,700,000	$ 1,700,000	$ 1,700,000	$ 908,000	$ 939,000	$ 970,000	$ 1,004,000	$ 1,040,000	$ 1,080,000	$ 1,080,000	$ 12,121,000
Other Regional Contributions	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Buildings	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Recreation & Parks	$ 100,000	$ 1,065,213	$ 100,000	$ 100,000	$ 100,000	$ 1,100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 2,965,213
Sanitary Sewers	$ 12,000,000	$ 12,360,000	$ 26,985,000	$ 37,300,000	$ 33,200,000	$ 7,000,000	$ 2,000,000	$ -	$ -	$ -	$ 130,845,000
Stormwater Management	$ 668,720	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 668,720
Transportation	$ 12,316,506	$ 14,666,158	$ 57,898,737	$ 71,812,000	$ 54,981,000	$ 22,700,000	$ 17,300,000	$ 17,700,000	$ 5,200,000	$ 5,200,000	$ 279,774,401
Reservation of Bond Capacity/Cash Capital for City/School Facilities	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
CIP Development & Implementation Staff	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL Approved FY 2019 - FY 2028 (Non-City Share)	**$ 27,115,226**	**$ 29,871,371**	**$ 86,763,737**	**$ 110,200,000**	**$ 89,300,000**	**$ 31,850,000**	**$ 20,484,000**	**$ 18,920,000**	**$ 6,460,000**	**$ 6,460,000**	**$ 427,424,334**

Table 4
Approved FY 2019 – 2028Capital Improvement Program
Summary of Projects by CIP Document Section

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
ACPS											
ACPS											
ACPS Capital Program	33,181,789	26,220,826	113,682,830	68,920,000	53,425,000	27,649,459	25,325,970	11,951,000	32,155,086	15,101,488	407,613,448
ACPS Total	33,181,789	26,220,826	113,682,830	68,920,000	53,425,000	27,649,459	25,325,970	11,951,000	32,155,086	15,101,488	407,613,448
ACPS Total	**33,181,789**	**26,220,826**	**113,682,830**	**68,920,000**	**53,425,000**	**27,649,459**	**25,325,970**	**11,951,000**	**32,155,086**	**15,101,488**	**407,613,448**
CIP Development & Implementation Staff											
CIP Development & Implementation Staff											
CIP Development & Implementation Staff	4,686,585	4,855,853	5,031,849	5,214,359	5,403,975	5,600,789	5,805,397	6,017,899	6,238,896	6,468,493	55,324,095
CIP Development & Implementation Staff Total	4,686,585	4,855,853	5,031,849	5,214,359	5,403,975	5,600,789	5,805,397	6,017,899	6,238,896	6,468,493	55,324,095
CIP Development & Implementation Staff Total	**4,686,585**	**4,855,853**	**5,031,849**	**5,214,359**	**5,403,975**	**5,600,789**	**5,805,397**	**6,017,899**	**6,238,896**	**6,468,493**	**55,324,095**
Community Development											
Affordable Housing											
Affordable Housing Funding	4,750,000	4,812,700	4,876,228	4,940,594	5,005,810	5,071,886	5,138,835	5,206,668	5,275,396	5,345,031	50,423,148
Affordable Housing Total	4,750,000	4,812,700	4,876,228	4,940,594	5,005,810	5,071,886	5,138,835	5,206,668	5,275,396	5,345,031	50,423,148
City-Wide Amenities											
Gadsby Lighting Fixtures & Poles Replacement	75,000	0	75,000	0	75,000	0	75,000	0	75,000	75,000	450,000
Public Art Acquisition	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	3,300,000
Public Art Conservation Program	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	225,000
Transportation Signage & Wayfinding System	361,000	432,000	241,000	0	0	0	0	0	0	0	1,034,000
City-Wide Amenities Total	788,500	784,500	668,500	352,500	427,500	352,500	427,500	352,500	427,500	427,500	5,009,000
Neighborhood Planning											
Braddock Road Area Plan - Streetscape Improvements	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	405,000
Development Studies	1,300,000	0	0	0	0	0	0	0	0	0	1,300,000
Waterfront Small Area Plan Implementation (w/ Construction Funding)	5,800,000	2,880,000	5,370,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	0	0	55,940,000
Neighborhood Planning Total	7,100,000	2,925,000	5,415,000	11,385,000	7,615,000	1,625,000	12,715,000	8,775,000	45,000	45,000	57,645,000
Public Safety Enhancements											
Citywide Street Lighting	125,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	350,000
Fire Department Vehicles & Apparatus	1,657,000	1,997,000	612,000	3,020,000	1,868,000	500,000	2,268,000	530,000	2,103,000	3,789,000	18,344,000
Police Body-Worn Cameras (BWC's)	0	TBD	TBD	0	0	0	0	0	0	0	-
Public Safety Enhancements Total	1,782,000	2,022,000	637,000	3,045,000	1,893,000	525,000	2,293,000	555,000	2,128,000	3,814,000	18,694,000
Waterways Maint. & Imprv.											
Environmental Restoration	304,560	159,300	314,100	168,900	324,000	179,100	334,500	190,200	345,900	201,600	2,522,160
Oronoco Outfall Remediation Project	200,000	0	0	0	0	0	0	0	0	0	200,000
Waterways Maint. & Imprv. Total	504,560	159,300	314,100	168,900	324,000	179,100	334,500	190,200	345,900	201,600	2,722,160
Community Development Total	**14,925,060**	**10,703,500**	**11,910,828**	**19,891,994**	**15,265,310**	**7,753,486**	**20,908,835**	**15,079,368**	**8,221,796**	**9,833,131**	**134,493,308**

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
IT Plan											
Document Management											
Document Imaging	50,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	330,000
Document Management Total	50,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	330,000
Financial Systems											
Business Tax System/Reciprocity Contractor System	0	375,000	0	0	0	0	0	0	0	0	375,000
Employee Pension Administration System	300,000	50,000	0	0	0	175,000	25,000	0	0	0	550,000
Enterprise Resource Planning System	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	360,000
Personal Property Tax System	460,000	0	0	0	0	60,000	280,000	0	0	0	800,000
Phone, Web, Portable Device Payment Portals	0	200,000	0	0	0	0	160,000	0	0	0	360,000
Real Estate Account Receivable System	0	0	0	0	0	0	0	800,000	0	0	800,000
Real Estate Assessment System (CAMA)	15,000	15,000	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	985,000
Financial Systems Total	775,000	680,000	890,000	55,000	55,000	290,000	520,000	855,000	55,000	55,000	4,230,000
Geographic Information Systems											
GIS Development	0	100,000	50,000	200,000	50,000	150,000	40,000	100,000	50,000	115,000	855,000
Geographic Information Systems Total	0	100,000	50,000	200,000	50,000	150,000	40,000	100,000	50,000	115,000	855,000
Network Services											
Connectivity Initiatives	525,000	552,000	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	6,577,000
Database Infrastructure	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	80,000	80,000	440,000
Enterprise Camera System	0	0	0	0	0	0	0	0	0	0	0
Enterprise Collaboration	0	40,000	40,000	40,000	40,000	20,000	20,000	40,000	40,000	40,000	320,000
Enterprise Data Storage Infrastructure	350,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	375,000	3,025,000
Enterprise Service Catalog	0	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	320,000
Information Technology Equipment Replacement	382,000	400,000	405,000	460,000	460,000	450,000	450,000	470,000	500,000	500,000	4,477,000
Information Technology Lump Sum Funding	0	0	3,130,000	3,265,000	3,687,000	3,000,000	3,130,000	3,200,000	3,400,000	3,400,000	26,212,000
IT Enterprise Management System	0	0	0	0	0	0	0	0	0	0	0
LAN Development	15,000	0	0	0	0	0	0	0	0	0	15,000
LAN/WAN Infrastructure	775,000	748,000	821,000	0	0	0	0	0	0	0	2,344,000
Municipal Fiber	5,000,000	0	0	0	0	0	0	0	0	0	5,000,000
Network Security	200,000	280,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	300,000	1,480,000
Network Server Infrastructure	175,000	500,000	0	0	0	0	0	0	0	0	675,000
Remote Access	150,000	150,000	65,000	125,000	0	0	0	0	0	200,000	690,000
Time & Attendance System Upgrade	30,000	30,000	0	0	0	0	0	0	0	0	60,000
Upgrade Work Station Operating Systems	200,000	200,000	0	0	0	0	0	0	0	0	400,000
Voice Over Internet Protocol (VoIP)	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Network Services Total	7,892,000	3,290,000	5,520,000	4,978,000	5,306,000	4,620,000	4,784,000	4,890,000	5,240,000	5,715,000	52,235,000

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
IT Plan											
Other System Development Projects											
Animal Shelter Server Replacement	0	0	0	0	0	0	0	0	0	0	0
Application Portfolio Management	0	150,000	0	0	0	0	0	0	0	0	150,000
Council Chamber Technology Upgrade	150,000	0	0	0	0	0	0	0	0	0	150,000
Enterprise Maintenance Mgmt System	40,000	40,000	40,000	40,000	40,000	40,000	20,000	40,000	40,000	40,000	380,000
FOIA System Replacement	0	70,000	50,000	20,000	0	0	0	0	0	0	140,000
HIPAA & Related Health Information Technologies	25,000	50,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	275,000
Library Public Access Computers and Print Mgmt System	0	0	0	85,000	0	0	0	0	0	0	85,000
Library Self-Service Stations/Equipment	58,000	0	0	0	0	0	0	0	0	0	58,000
Migration of Integrated Library System to SAAS Platform	0	0	0	0	0	0	0	0	0	0	0
OHA Records Management System Replacement	0	0	0	0	0	0	0	0	0	0	0
Permit Processing	0	0	0	0	0	0	0	0	0	0	0
Project Management Software	0	0	0	0	0	0	0	0	0	0	0
Recreation Database System	35,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	125,000
Other System Development Projects Total	308,000	320,000	125,000	180,000	75,000	75,000	55,000	75,000	75,000	75,000	1,363,000
Public Access Development											
Customer Relationship Management System	0	0	0	0	0	0	0	0	0	0	0
Electronic Government/Web Page	50,000	50,000	0	150,000	50,000	50,000	50,000	130,000	175,000	50,000	755,000
Public Access Development Total	50,000	50,000	0	150,000	50,000	50,000	50,000	130,000	175,000	50,000	755,000
Public Safety Systems											
AJIS Enhancements	660,000	165,000	170,500	176,000	182,000	188,000	194,500	201,000	208,000	215,500	2,360,500
Computer Aided Dispatch (CAD) System Replacement	0	250,000	0	0	0	0	0	0	0	0	250,000
Courtroom Trial Presentation Technology	120,000	100,000	0	0	0	85,000	85,000	0	0	0	390,000
Emergency 911 Phone System Upgrade	0	0	0	0	0	0	0	0	0	0	0
EMS Records Management System	0	0	0	0	0	0	0	0	0	0	0
Radio System Upgrade	1,756,000	1,565,000	1,200,000	0	0	0	0	0	0	0	4,521,000
Public Safety Systems Total	2,536,000	2,080,000	1,370,500	176,000	182,000	273,000	279,500	201,000	208,000	215,500	7,521,500
IT Plan Total	**11,611,000**	**6,720,000**	**7,965,500**	**5,749,000**	**5,728,000**	**5,468,000**	**5,738,500**	**6,261,000**	**5,813,000**	**6,235,500**	**67,289,500**
Other Regional Contributions											
Other Regional Contributions											
Northern Virginia Community College (NVCC)	358,794	403,000	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	4,131,794
Northern Virginia Regional Park Authority (NVRPA)	400,432	444,000	448,000	453,000	457,000	462,000	466,000	471,000	476,000	481,000	4,558,432
Other Regional Contributions Total	759,226	847,000	855,000	864,000	872,000	881,000	889,000	898,000	908,000	917,000	8,690,226
Other Regional Contributions Total	**759,226**	**847,000**	**855,000**	**864,000**	**872,000**	**881,000**	**889,000**	**898,000**	**908,000**	**917,000**	**8,690,226**

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Public Buildings											
General Government Facilities											
2355 Mill Road CFMP	0	1,389,000	193,000	0	0	1,219,000	0	960,000	0	0	3,761,000
Capital Planning & Building Assessment (Condition Assessment)	450,000	300,000	0	100,000	100,000	100,000	0	0	0	0	1,050,000
City Hall Renovation and HVAC Replacement	500,000	500,000	3,925,000	1,000,000	27,350,000	1,500,000	0	0	0	0	34,775,000
Emergency Power Systems	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	0	0	1,615,000
Energy Management Program	225,000	675,000	875,000	775,000	783,000	975,000	760,000	675,000	675,000	675,000	7,093,000
Fleet Building CFMP	0	2,600,000	590,000	1,100,000	360,000	0	0	1,700,000	110,000	110,000	6,570,000
General Services CFMP	746,750	804,000	1,011,750	969,750	928,250	987,250	996,500	956,250	766,500	777,250	8,944,250
Market Square Plaza and Garage Structural Repairs	0	0	3,500,000	3,000,000	0	0	0	0	0	0	6,500,000
Preventative Maintenance Systems and Staffing Study	350,000	0	0	0	0	0	0	0	0	0	350,000
Roof Replacement Program	0	40,000	410,000	220,000	0	0	1,200,000	210,000	500,000	500,000	3,080,000
Witter/Wheeler - Fuel Island Renovation	0	0	0	0	0	0	0	0	0	0	0
General Government Facilities Total	2,271,750	6,709,000	10,905,750	7,304,750	29,814,250	4,806,250	3,061,500	4,751,250	2,051,500	2,062,250	73,738,250
Library Facilities											
Beatley Building Envelope Restoration	0	0	0	0	0	0	0	0	0	0	0
Library CFMP	500,000	0	0	300,000	66,000	87,000	0	0	0	0	953,000
Library Facilities Total	500,000	0	0	300,000	66,000	87,000	0	0	0	0	953,000
Preservation of Historic Facilities											
City Historic Facilities CFMP	1,415,000	1,900,000	720,000	550,000	110,000	2,330,000	290,000	190,000	400,000	400,000	8,305,000
Torpedo Factory Space Programming Study	120,000	250,000	0	0	0	0	0	0	0	0	370,000
Preservation of Historic Facilities Total	1,535,000	2,150,000	720,000	550,000	110,000	2,330,000	290,000	190,000	400,000	400,000	8,675,000
Public Health & Welfare Facilities											
Health Department CFMP	0	0	2,250,000	1,840,000	0	0	0	0	0	0	4,090,000
Mental Health Residential Facilities CFMP	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Public Health & Welfare Facilities Total	75,000	75,000	2,325,000	1,915,000	75,000	75,000	75,000	75,000	75,000	75,000	4,840,000
Public Safety Facilities											
Courthouse CFMP	2,000,000	2,000,000	2,000,000	2,000,000	0	0	0	0	0	0	8,000,000
Courthouse/PSC Security System Upgrade	0	0	0	0	0	0	0	0	3,500,000	0	3,500,000
Expansion of Police Property Evidence Storage Study	0	0	0	0	0	100,000	0	0	0	0	100,000
Fire & Rescue CFMP	487,000	1,482,000	745,000	970,000	90,000	585,000	120,000	1,470,000	150,000	150,000	6,249,000
Fire Station 203 (Cameron Mills)	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Fire Station 205 (Cameron Street)	0	0	250,000	3,150,000	7,875,000	0	0	0	0	0	11,275,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	3,500,000	14,700,000	0	0	18,200,000
New Burn Building	0	0	0	540,000	1,600,000	0	0	0	0	0	2,140,000
Office of the Sheriff CFMP	1,152,000	2,254,000	2,300,000	2,000,000	1,900,000	2,345,000	1,456,000	0	0	0	13,407,000
Pistol Range	100,000	0	0	0	0	0	0	0	0	0	100,000
Vola Lawson Animal Shelter	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Public Safety Facilities Total	5,179,000	5,776,000	5,335,000	8,700,000	11,505,000	3,070,000	5,116,000	16,210,000	3,690,000	190,000	64,771,000
Public Buildings Total	**9,560,750**	**14,710,000**	**19,285,750**	**18,769,750**	**41,570,250**	**10,368,250**	**8,542,500**	**21,226,250**	**6,216,500**	**2,727,250**	**152,977,250**

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Recreation & Parks											
Aquatics Facilities											
Neighborhood Pool Demolition/Conversion	0	450,000	0	450,000	0	0	0	0	0	0	900,000
Old Town Pool Renovations	0	0	0	0	500,000	5,000,000	0	0	0	0	5,500,000
Public Pools	52,000	67,000	52,000	52,000	97,000	97,000	97,000	97,000	97,000	97,000	805,000
Aquatics Facilities Total	52,000	517,000	52,000	502,000	597,000	5,097,000	97,000	97,000	97,000	97,000	7,205,000
Open Space Acquisition & Development											
Open Space Acquisition and Develop.	1,055,000	1,200,000	1,000,000	1,000,000	1,000,000	1,400,000	1,000,000	1,575,000	2,000,000	2,000,000	13,230,000
Open Space Acquisition & Development Total	1,055,000	1,200,000	1,000,000	1,000,000	1,000,000	1,400,000	1,000,000	1,575,000	2,000,000	2,000,000	13,230,000
Park Maintenance & Improvements											
African American Heritage Park Repairs	0	0	0	0	0	0	0	0	0	0	0
Americans with Disabilities Act (ADA) Requirements	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	110,000	110,000	1,320,000
Athletic Field Improvements (incl. Synthetic Turf)	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,000,000
Ball Court Renovations	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	165,000	165,000	1,530,000
Community Matching Fund	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 Wetlands Connector Bridge	0	0	0	0	0	0	0	0	0	0	0
Park Maintenance Facilities	0	0	0	0	0	0	0	0	0	0	0
Park Renovations CFMP	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	458,000	450,000	4,231,000
Patrick Henry Synthetic Turf Field and Outdoor Play Features	0	0	0	0	0	0	0	0	0	0	0
Pavement in Parks	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	275,000	275,000	2,550,000
Playground Renovations CFMP	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	730,000	730,000	6,599,000
Potomac Yard Park Basketball Court Lights	0	0	0	0	0	0	0	0	0	0	0
Restroom Renovations	0	0	0	0	0	0	0	0	400,000	400,000	800,000
Soft Surface Trails	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	132,000	135,000	1,227,000
Tree & Shrub Capital Maintenance	357,500	219,500	219,500	326,000	326,000	326,000	326,000	326,000	360,000	360,000	3,146,500
Water Management & Irrigation	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	140,000	140,000	1,304,000
Waterfront Parks CFMP	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	55,000	55,000	510,000
Windmill Hill Park Improvements	0	0	0	0	0	0	0	0	0	0	0
Park Maintenance & Improvements Total	4,491,500	4,405,500	4,255,500	4,400,000	4,405,000	4,405,000	4,405,000	4,405,000	5,025,000	5,020,000	45,217,500
Recreation Facility Maintenance											
Chinquapin Recreation Center CFMP	920,000	775,000	975,000	775,000	775,000	375,000	775,000	575,000	25,000	25,000	5,995,000
City Marina Maintenance	90,000	75,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	525,000
Proactive Maintenance of the Urban Forest	106,500	106,500	106,500	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,719,500
Recreation Centers CFMP	743,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	7,268,000
Recreation Facility Maintenance Total	1,859,500	1,681,500	1,851,500	1,745,000	1,745,000	1,345,000	1,745,000	1,545,000	995,000	995,000	15,507,500
Renovated or New Recreation Facilities											
Braddock Area Plan Park	0	965,213	0	0	0	0	0	0	0	0	965,213
City Marina Utility Upgrades	0	0	0	0	0	0	0	0	0	0	0
Citywide Parks Improvements Plan	500,000	0	500,000	0	500,000	500,000	500,000	500,000	500,000	500,000	4,000,000
Fort Ward Management Plan Implementation	400,000	0	170,000	0	150,000	0	200,000	0	200,000	0	1,120,000
Patrick Henry Recreation Center	0	0	0	0	0	0	0	0	0	0	0
Renovated or New Recreation Facilities Total	900,000	965,213	670,000	0	650,000	500,000	700,000	500,000	700,000	500,000	6,085,213
Recreation & Parks Total	**8,358,000**	**8,769,213**	**7,829,000**	**7,647,000**	**8,397,000**	**12,747,000**	**7,947,000**	**8,122,000**	**8,817,000**	**8,612,000**	**87,245,213**

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Reservation of Bond Capacity/Cash Capital for City/School Facilities											
Reservation of Bond Capacity/Cash Capital for City/School Facilities											
CIP Contingency Funding (City)	0	180,000	525,668	438,397	4,832,948	1,271,250	1,456,875	3,391,242	948,375	0	13,044,755
CIP Contingency Funding (Schools)	0	732,738	5,213,689	5,761,603	4,734,897	1,703,358	2,555,037	751,488	3,754,277	0	25,207,087
CIP Contingency Funding (Undesignated)	126	138,436	362,813	60,000	732,155	626,933	1,840,118	1,557,270	3,249,262	8,003,512	16,570,625
City & School Land Acquisition and DCHS Colocation Investment	40,000,000	10,000,000	0	0	0	0	0	5,000,000	5,000,000	0	60,000,000
High School Capacity (Soft Costs)	5,150,000	0	0	0	0	0	0	0	0	0	5,150,000
Planning / Feasibility Studies - Combined City & Schools	0	500,000	250,000	250,000	100,000	100,000	100,000	250,000	250,000	250,000	2,050,000
Witter/Wheeler Campus (includes ACPS Transporation Facility)	210,000	0	0	0	10,650,000	6,212,500	6,212,500	6,212,500	6,212,500	0	35,710,000
Reservation of Bond Capacity/Cash Capital for City/School Facilities Total	45,360,126	11,551,174	6,352,170	6,510,000	21,050,000	9,914,041	12,164,530	17,162,500	19,414,414	8,253,512	157,732,467
Reservation of Bond Capacity/Cash Capital for City/School Facilities Total	**45,360,126**	**11,551,174**	**6,352,170**	**6,510,000**	**21,050,000**	**9,914,041**	**12,164,530**	**17,162,500**	**19,414,414**	**8,253,512**	**157,732,467**
Sanitary Sewers											
Sanitary Sewers											
AlexRenew Wastewater Treatment Plant Capacity	0	11,070,000	11,400,000	11,750,000	0	0	0	0	0	0	34,220,000
Citywide Sewershed Infiltration & Inflow	0	3,075,000	2,850,000	4,000,000	0	0	0	0	0	0	9,925,000
Combined Sewer Assessment & Rehabilitation	3,700,000	2,550,000	2,550,000	0	0	0	0	0	0	0	8,800,000
Combined Sewer Outfall (001 - 004)	25,000,000	55,000,000	55,000,000	100,000,000	100,000,000	40,000,000	10,000,000	0	0	0	385,000,000
Combined Sewer Separation Projects	0	300,000	600,000	300,000	300,000	600,000	300,000	300,000	600,000	600,000	3,900,000
Combined Sewer System (CSS) Permit Compliance	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Four Mile Run Sanitary Sewer Repair	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trunk Sewer	0	0	0	0	0	0	0	0	0	0	0
Reconstructions & Extensions of Sanitary Sewers	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	9,000,000
Sanitary Sewers Total	29,900,000	73,195,000	73,600,000	117,250,000	101,500,000	41,800,000	11,500,000	1,500,000	1,800,000	1,800,000	453,845,000
Sanitary Sewers Total	**29,900,000**	**73,195,000**	**73,600,000**	**117,250,000**	**101,500,000**	**41,800,000**	**11,500,000**	**1,500,000**	**1,800,000**	**1,800,000**	**453,845,000**
Stormwater Management											
Stormwater Management											
Cameron Station Pond Retrofit	0	0	0	0	0	0	0	0	0	0	0
City Facilities Stormwater Best Management Practices (BMPs)	1,133,000	0	0	0	0	0	0	0	0	0	1,133,000
Four Mile Run Channel Maintenance	0	0	0	0	600,000	0	0	0	0	0	600,000
Green Infrastructure	0	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,150,000
Lake Cook Stormwater Management	0	0	0	0	0	0	0	0	0	0	0
Lucky Run Stream Restoration	1,253,720	0	0	0	0	0	0	0	0	0	1,253,720
MS4-TMDL Compliance Water Quality Imprv.	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	48,500,000
NPDES / MS4 Permit	155,000	160,000	165,000	170,000	175,000	180,000	185,000	190,000	195,000	195,000	1,770,000
Storm Sewer Capacity Assessment	0	475,000	475,000	0	0	0	0	0	500,000	0	1,450,000
Storm Sewer System Spot Improvements	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Stormwater Utility Implementation	155,000	0	0	0	0	0	0	0	0	0	155,000
Stream & Channel Maintenance	365,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,415,000
Stormwater Management Total	3,861,720	4,735,000	4,740,000	4,770,000	5,375,000	8,280,000	8,285,000	8,290,000	10,795,000	6,295,000	65,426,720
Stormwater Management Total	**3,861,720**	**4,735,000**	**4,740,000**	**4,770,000**	**5,375,000**	**8,280,000**	**8,285,000**	**8,290,000**	**10,795,000**	**6,295,000**	**65,426,720**

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Transportation											
Fixed Transportation Equipment											
Citywide Parking - Parking Technologies	352,400	203,079	630,123	450,000	250,000	0	0	0	0	0	1,885,602
Citywide Trans. Mgmt. Tech. - Broadband Communications Link	0	0	0	0	0	0	0	0	0	0	0
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	152,000	203,000	223,000	1,000,000	0	0	0	0	0	0	1,578,000
Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Citywide Trans. Mgmt. Tech. - Transportation Technologies	250,000	0	250,000	0	250,000	0	250,000	0	250,000	250,000	1,500,000
Fixed Transportation Equipment	850,000	850,000	850,000	850,000	2,350,000	875,000	875,000	900,000	900,000	900,000	10,200,000
Traffic Adaptive Signal Control	0	0	0	5,266,000	2,410,000	0	0	0	0	0	7,676,000
Fixed Transportation Equipment Total	1,704,400	1,356,079	2,053,123	7,666,000	5,360,000	975,000	1,225,000	1,000,000	1,250,000	1,250,000	23,839,602
High Capacity Transit Corridors											
Route 1 Transitway Fare Payment Technology	500,000	500,000	454,491	0	0	0	0	0	0	0	1,454,491
Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	0	0	0	2,000,000	3,000,000	14,000,000	TBD	TBD	TBD	0	19,000,000
Transit Corridor "C" - West End Transitway	250,000	250,000	30,967,000	33,055,000	35,979,000	2,600,000	12,100,000	12,500,000	0	0	127,701,000
High Capacity Transit Corridors Total	750,000	750,000	31,421,491	35,055,000	38,979,000	16,600,000	12,100,000	12,500,000	TBD	0	148,155,491
Non-Motorized Transportation											
Backlick Run Multi-Use Paths	1,918,000	0	0	2,210,000	2,101,000	0	0	0	0	0	6,229,000
Bicycle Parking at Transit	0	0	0	0	0	0	0	0	0	0	0
BRAC & Central City Neighborhood Protection Plan	0	0	0	0	0	0	0	0	0	0	0
Cameron & Prince Bicycle & Pedestrian Facilities	0	0	0	0	0	0	0	0	0	0	0
Capital Bikeshare	368,000	402,000	350,000	400,000	250,000	0	0	0	0	0	1,770,000
Complete Streets	1,545,000	1,130,000	1,130,000	830,000	830,000	830,000	830,000	680,000	830,000	830,000	9,465,000
Holmes Run Greenway	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trail Connector	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Trail @ East Abingdon	0	0	0	0	0	0	0	0	0	0	0
Old Cameron Run Trail	1,026,000	1,409,000	1,360,000	0	0	0	0	0	0	0	3,795,000
Safe Routes to Schools	0	0	0	0	0	0	0	0	0	0	0
Seminary / Howard Safety Improvements	0	0	0	0	0	0	0	0	0	0	0
Shared-Use Paths	0	300,000	0	300,000	0	300,000	0	300,000	0	0	1,200,000
Sidewalk Capital Maintenance	600,000	600,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	327,000	4,827,000
Transportation Master Plan Update	0	0	500,000	0	0	0	0	0	0	0	500,000
Van Dorn/Beauregard Bicycle Facilities	250,000	1,171,000	0	0	0	0	0	0	0	0	1,421,000
Non-Motorized Transportation Total	5,707,000	5,012,000	3,940,000	4,040,000	3,781,000	1,430,000	1,430,000	1,280,000	1,430,000	1,157,000	29,207,000

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Transportation											
Public Transit											
Bus Shelters and Benches	152,400	203,079	823,123	500,000	400,000	0	0	0	0	0	2,078,602
DASH Bus Fleet Replacements	3,954,000	3,529,000	2,800,000	3,375,000	2,100,000	2,100,000	1,400,000	1,400,000	1,400,000	1,400,000	23,458,000
DASH Bus Fleet Replacements (Fleet Electrification)	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-
DASH Electronic Fare Payment	0	450,000	750,000	0	0	0	0	0	0	0	1,200,000
DASH Facility and Fleet Expansion	397,000	0	1,366,000	4,531,000	4,841,000	0	0	0	0	0	11,135,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	300,000	900,000	350,000	400,000	500,000	550,000	450,000	450,000	450,000	450,000	4,800,000
DASH Technology	200,000	0	0	0	600,000	0	0	0	0	0	800,000
Eisenhower Metrorail Station Improvements	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	300,706	0	0	0	0	0	0	0	0	0	300,706
Potomac Yard Metrorail Station	0	0	0	0	0	0	0	0	0	0	0
Van Dorn Metrorail Station Area Imprv.	0	0	0	0	0	0	0	0	0	0	0
WMATA Capital Contributions	16,471,455	30,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	254,471,455
Public Transit Total	21,775,561	35,082,079	32,089,123	34,806,000	34,441,000	28,650,000	27,850,000	27,850,000	27,850,000	27,850,000	298,243,763
Streets & Bridges											
Bridge Repairs	300,000	700,000	300,000	700,000	300,000	1,700,000	1,300,000	1,400,000	2,300,000	2,500,000	11,500,000
City Standard Construction Specifications	0	0	0	0	0	0	0	0	0	0	0
East Glebe & Route 1	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Eisenhower Avenue Roadway Improvements	170,000	0	0	0	0	0	0	0	0	0	170,000
EW & LVD Implementation - High Street Design/Engineering	0	0	0	0	500,000	0	0	0	0	0	500,000
Farrington Connector	0	0	0	0	0	500,000	0	0	0	0	500,000
King & Beauregard Intersection Improvements	0	0	0	0	0	0	0	0	0	0	0
Madison & Montgomery Reconstruction	0	0	0	0	0	0	0	0	0	0	0
Seminary Road at Beauregard Street Ellipse	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	0	36,400,000
Street Reconstruction & Resurfacing of Major Roads	5,260,000	5,500,000	5,500,000	5,500,000	5,000,000	4,975,000	4,975,000	4,300,000	5,300,000	5,000,000	51,310,000
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	300,000	0	0	0	0	0	0	0	0	0	300,000
Streets & Bridges Total	7,430,000	9,700,000	22,000,000	22,900,000	5,800,000	7,175,000	6,275,000	5,700,000	7,600,000	7,500,000	102,080,000
Transportation Total	**37,366,961**	**51,900,158**	**91,503,737**	**104,467,000**	**88,361,000**	**54,830,000**	**48,880,000**	**48,330,000**	**38,130,000**	**37,757,000**	**601,525,856**
Grand Total	**199,571,217**	**214,207,724**	**342,756,664**	**360,053,103**	**346,947,535**	**185,292,025**	**155,986,732**	**144,838,017**	**138,509,692**	**104,000,374**	**2,192,163,083**

Table 5
Approved FY 2019 – 2028 Capital Improvement Program
Summary of Projects by Project Category

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
ACPS											
ACPS											
ACPS Capital Program	33,181,789	26,220,826	113,682,830	68,920,000	53,425,000	27,649,459	25,325,970	11,951,000	32,155,086	15,101,488	407,613,448
ACPS Total	**33,181,789**	**26,220,826**	**113,682,830**	**68,920,000**	**53,425,000**	**27,649,459**	**25,325,970**	**11,951,000**	**32,155,086**	**15,101,488**	**407,613,448**
Category 1											
Community Development											
Fire Department Vehicles & Apparatus	1,657,000	1,997,000	612,000	3,020,000	1,868,000	500,000	2,268,000	530,000	2,103,000	3,789,000	18,344,000
Gadsby Lighting Fixtures & Poles Replacement	75,000	0	75,000	0	75,000	0	75,000	0	75,000	75,000	450,000
Public Art Conservation Program	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	225,000
Other Regional Contributions											
Northern Virginia Community College (NVCC)	358,794	403,000	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	4,131,794
Northern Virginia Regional Park Authority (NVRPA)	400,432	444,000	448,000	453,000	457,000	462,000	466,000	471,000	476,000	481,000	4,558,432
Public Buildings											
Capital Planning & Building Assessment (Condition Assessment)	450,000	300,000	0	100,000	100,000	100,000	0	0	0	0	1,050,000
City Historic Facilities CFMP	1,415,000	1,900,000	720,000	550,000	110,000	2,330,000	290,000	190,000	400,000	400,000	8,305,000
Courthouse CFMP	2,000,000	2,000,000	2,000,000	2,000,000	0	0	0	0	0	0	8,000,000
Emergency Power Systems	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	0	0	1,615,000
Energy Management Program	225,000	675,000	875,000	775,000	783,000	975,000	760,000	675,000	675,000	675,000	7,093,000
Fire & Rescue CFMP	487,000	1,482,000	745,000	970,000	90,000	585,000	120,000	1,470,000	150,000	150,000	6,249,000
Fleet Building CFMP	0	2,600,000	590,000	1,100,000	360,000	0	0	1,700,000	110,000	110,000	6,570,000
General Services CFMP	746,750	804,000	1,011,750	969,750	928,250	987,250	996,500	956,250	766,500	777,250	8,944,250
Health Department CFMP	0	0	2,250,000	1,840,000	0	0	0	0	0	0	4,090,000
Library CFMP	500,000	0	0	300,000	66,000	87,000	0	0	0	0	953,000
Mental Health Residential Facilities CFMP	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Office of the Sheriff CFMP	1,152,000	2,254,000	2,300,000	2,000,000	1,900,000	2,345,000	1,456,000	0	0	0	13,407,000
Roof Replacement Program	0	40,000	410,000	220,000	0	0	1,200,000	210,000	500,000	500,000	3,080,000
Vola Lawson Animal Shelter	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Recreation & Parks											
Americans with Disabilities Act (ADA) Requirements	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	110,000	110,000	1,320,000
Ball Court Renovations	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	165,000	165,000	1,530,000
Chinquapin Recreation Center CFMP	920,000	775,000	975,000	775,000	775,000	375,000	775,000	575,000	25,000	25,000	5,995,000
City Marina Maintenance	90,000	75,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	525,000
Park Renovations CFMP	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	458,000	450,000	4,231,000
Pavement in Parks	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	275,000	275,000	2,550,000
Playground Renovations CFMP	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	730,000	730,000	6,599,000
Proactive Maintenance of the Urban Forest	106,500	106,500	106,500	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,719,500
Public Pools	52,000	67,000	52,000	52,000	97,000	97,000	97,000	97,000	97,000	97,000	805,000
Recreation Centers CFMP	743,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	7,268,000
Soft Surface Trails	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	132,000	135,000	1,227,000
Tree & Shrub Capital Maintenance	357,500	219,500	219,500	326,000	326,000	326,000	326,000	326,000	360,000	360,000	3,146,500
Water Management & Irrigation	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	140,000	140,000	1,304,000
Waterfront Parks CFMP	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	55,000	55,000	510,000

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	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Category 1											
Sanitary Sewers											
Combined Sewer System (CSS) Permit Compliance	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Reconstructions & Extensions of Sanitary Sewers	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	9,000,000
Stormwater Management											
Storm Sewer Capacity Assessment	0	475,000	475,000	0	0	0	0	0	500,000	0	1,450,000
Storm Sewer System Spot Improvements	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Stream & Channel Maintenance	365,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,415,000
Transportation											
Bridge Repairs	300,000	700,000	300,000	700,000	300,000	1,700,000	1,300,000	1,400,000	2,300,000	2,500,000	11,500,000
Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
DASH Bus Fleet Replacements	3,954,000	3,529,000	2,800,000	3,375,000	2,100,000	2,100,000	1,400,000	1,400,000	1,400,000	1,400,000	23,458,000
DASH Bus Fleet Replacements (Fleet Electrification)	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
DASH Hybrid Bus and Trolley Battery Pack Replacement	300,000	900,000	350,000	400,000	500,000	550,000	450,000	450,000	450,000	450,000	4,800,000
Fixed Transportation Equipment	850,000	850,000	850,000	850,000	2,350,000	875,000	875,000	900,000	900,000	900,000	10,200,000
Shared-Use Paths	0	300,000	0	300,000	0	300,000	0	300,000	0	0	1,200,000
Sidewalk Capital Maintenance	600,000	600,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	327,000	4,827,000
Street Reconstruction & Resurfacing of Major Roads	5,260,000	5,500,000	5,500,000	5,500,000	5,000,000	4,975,000	4,975,000	4,300,000	5,300,000	5,000,000	51,310,000
WMATA Capital Contributions	16,471,455	30,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	254,471,455
Category 1 Total	**43,507,931**	**64,295,500**	**55,866,250**	**58,458,250**	**50,529,750**	**51,449,750**	**49,994,000**	**47,963,750**	**48,842,000**	**49,669,750**	**520,576,931**
Category 2											
Community Development											
Braddock Road Area Plan - Streetscape Improvements	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	405,000
Environmental Restoration	304,560	159,300	314,100	168,900	324,000	179,100	334,500	190,200	345,900	201,600	2,522,160
Oronoco Outfall Remediation Project	200,000	0	0	0	0	0	0	0	0	0	200,000
Public Buildings											
Beatley Building Envelope Restoration	0	0	0	0	0	0	0	0	0	0	0
City Hall Renovation and HVAC Replacement	500,000	500,000	3,925,000	1,000,000	27,350,000	1,500,000	0	0	0	0	34,775,000
Courthouse/PSC Security System Upgrade	0	0	0	0	0	0	0	0	3,500,000	0	3,500,000
Fire Station 203 (Cameron Mills)	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Fire Station 205 (Cameron Street)	0	0	250,000	3,150,000	7,875,000	0	0	0	0	0	11,275,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	3,500,000	14,700,000	0	0	18,200,000
Market Square Plaza and Garage Structural Repairs	0	0	3,500,000	3,000,000	0	0	0	0	0	0	6,500,000
New Burn Building	0	0	0	540,000	1,600,000	0	0	0	0	0	2,140,000
Pistol Range	100,000	0	0	0	0	0	0	0	0	0	100,000
Preventative Maintenance Systems and Staffing Study	350,000	0	0	0	0	0	0	0	0	0	350,000
Witter/Wheeler - Fuel Island Renovation	0	0	0	0	0	0	0	0	0	0	0

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	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Category 2											
Recreation & Parks											
African American Heritage Park Repairs	0	0	0	0	0	0	0	0	0	0	0
City Marina Utility Upgrades	0	0	0	0	0	0	0	0	0	0	0
Citywide Parks Improvements Plan	500,000	0	500,000	0	500,000	500,000	500,000	500,000	500,000	500,000	4,000,000
Neighborhood Pool Demolition/Conversion	0	450,000	0	450,000	0	0	0	0	0	0	900,000
Park Maintenance Facilities	0	0	0	0	0	0	0	0	0	0	0
Restroom Renovations	0	0	0	0	0	0	0	0	400,000	400,000	800,000
Windmill Hill Park Improvements	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewers											
Citywide Sewershed Infiltration & Inflow	0	3,075,000	2,850,000	4,000,000	0	0	0	0	0	0	9,925,000
Combined Sewer Outfall (001 - 004)	25,000,000	55,000,000	55,000,000	100,000,000	100,000,000	40,000,000	10,000,000	0	0	0	385,000,000
Four Mile Run Sanitary Sewer Repair	0	0	0	0	0	0	0	0	0	0	0
Stormwater Management											
Four Mile Run Channel Maintenance	0	0	0	0	600,000	0	0	0	0	0	600,000
Lucky Run Stream Restoration	1,253,720	0	0	0	0	0	0	0	0	0	1,253,720
Transportation											
Eisenhower Metrorail Station Improvements	0	0	0	0	0	0	0	0	0	0	0
Madison & Montgomery Reconstruction	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Trail @ East Abingdon	0	0	0	0	0	0	0	0	0	0	0
Transportation Master Plan Update	0	0	500,000	0	0	0	0	0	0	0	500,000
Van Dorn Metrorail Station Imprv.	0	0	0	0	0	0	0	0	0	0	0
Category 2 Total	**29,608,280**	**59,229,300**	**66,884,100**	**112,353,900**	**138,294,000**	**42,224,100**	**14,379,500**	**15,435,200**	**4,790,900**	**1,146,600**	**484,345,880**
Category 3											
Community Development											
Citywide Street Lighting	125,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	350,000
Development Studies	1,300,000	0	0	0	0	0	0	0	0	0	1,300,000
Police Body-Worn Cameras (BWC's)	0	TBD	TBD	0	0	0	0	0	0	0	-
Public Art Acquisition	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	3,300,000
Transportation Signage & Wayfinding System	361,000	432,000	241,000	0	0	0	0	0	0	0	1,034,000
Waterfront Small Area Plan Implementation (w/ Construction Funding)	5,800,000	2,880,000	5,370,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	0	0	55,940,000
Public Buildings											
2355 Mill Road CFMP	0	1,389,000	193,000	0	0	1,219,000	0	960,000	0	0	3,761,000
Expansion of Police Property Evidence Storage Study	0	0	0	0	0	100,000	0	0	0	0	100,000
Torpedo Factory Space Programming Study	120,000	250,000	0	0	0	0	0	0	0	0	370,000

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	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Category 3											
Recreation & Parks											
Athletic Field Improvements (incl. Synthetic Turf)	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,000,000
Braddock Area Plan Park	0	965,213	0	0	0	0	0	0	0	0	965,213
Community Matching Fund	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
Fort Ward Management Plan Implementation	400,000	0	170,000	0	150,000	0	200,000	0	200,000	0	1,120,000
Four Mile Run Park Wetlands Connector Bridge	0	0	0	0	0	0	0	0	0	0	0
Old Town Pool Renovations	0	0	0	0	500,000	5,000,000	0	0	0	0	5,500,000
Open Space Acquisition and Develop.	1,055,000	1,200,000	1,000,000	1,000,000	1,000,000	1,400,000	1,000,000	1,575,000	2,000,000	2,000,000	13,230,000
Patrick Henry Recreation Center	0	0	0	0	0	0	0	0	0	0	0
Patrick Henry Synthetic Turf Field and Outdoor Play Features	0	0	0	0	0	0	0	0	0	0	0
Potomac Yard Park Basketball Court Lights	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewers											
AlexRenew Wastewater Treatment Plant Capacity	0	11,070,000	11,400,000	11,750,000	0	0	0	0	0	0	34,220,000
Combined Sewer Assessment & Rehabilitation	3,700,000	2,550,000	2,550,000	0	0	0	0	0	0	0	8,800,000
Combined Sewer Separation Projects	0	300,000	600,000	300,000	300,000	600,000	300,000	300,000	600,000	600,000	3,900,000
Holmes Run Trunk Sewer	0	0	0	0	0	0	0	0	0	0	0
Stormwater Management											
Cameron Station Pond Retrofit	0	0	0	0	0	0	0	0	0	0	0
City Facilities Stormwater Best Management Practices (BMPs)	1,133,000	0	0	0	0	0	0	0	0	0	1,133,000
Green Infrastructure	0	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,150,000
Lake Cook Stormwater Management	0	0	0	0	0	0	0	0	0	0	0
MS4-TMDL Compliance Water Quality Imprv.	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	48,500,000
NPDES / MS4 Permit	155,000	160,000	165,000	170,000	175,000	180,000	185,000	190,000	195,000	195,000	1,770,000
Stormwater Utility Implementation	155,000	0	0	0	0	0	0	0	0	0	155,000

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	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Category 3											
Transportation											
Backlick Run Multi-Use Paths	1,918,000	0	0	2,210,000	2,101,000	0	0	0	0	0	6,229,000
Bicycle Parking at Transit	0	0	0	0	0	0	0	0	0	0	0
BRAC & Central City Neighborhood Protection Plan	0	0	0	0	0	0	0	0	0	0	0
Bus Shelters and Benches	152,400	203,079	823,123	500,000	400,000	0	0	0	0	0	2,078,602
Cameron & Prince Bicycle & Pedestrian Facilities	0	0	0	0	0	0	0	0	0	0	0
Capital Bikeshare	368,000	402,000	350,000	400,000	250,000	0	0	0	0	0	1,770,000
City Standard Construction Specifications	0	0	0	0	0	0	0	0	0	0	0
Citywide Parking - Parking Technologies	352,400	203,079	630,123	450,000	250,000	0	0	0	0	0	1,885,602
Citywide Trans. Mgmt. Tech. - Broadband Communications Link	0	0	0	0	0	0	0	0	0	0	0
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	152,000	203,000	223,000	1,000,000	0	0	0	0	0	0	1,578,000
Citywide Trans. Mgmt. Tech. - Transportation Technologies	250,000	0	250,000	0	250,000	0	250,000	0	250,000	250,000	1,500,000
Complete Streets	1,545,000	1,130,000	1,130,000	830,000	830,000	830,000	830,000	680,000	830,000	830,000	9,465,000
DASH Electronic Fare Payment	0	450,000	750,000	0	0	0	0	0	0	0	1,200,000
DASH Facility and Fleet Expansion	397,000	0	1,366,000	4,531,000	4,841,000	0	0	0	0	0	11,135,000
DASH Technology	200,000	0	0	0	600,000	0	0	0	0	0	800,000
East Glebe & Route 1	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Eisenhower Avenue Roadway Improvements	170,000	0	0	0	0	0	0	0	0	0	170,000
EW & LVD Implementation - High Street Design/Engineering	0	0	0	0	500,000	0	0	0	0	0	500,000
Farrington Connector	0	0	0	0	0	500,000	0	0	0	0	500,000
Holmes Run Greenway	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trail Connector	0	0	0	0	0	0	0	0	0	0	0
King & Beauregard Intersection Improvements	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	300,706	0	0	0	0	0	0	0	0	0	300,706
Old Cameron Run Trail	1,026,000	1,409,000	1,360,000	0	0	0	0	0	0	0	3,795,000
Potomac Yard Metrorail Station	0	0	0	0	0	0	0	0	0	0	0
Route 1 Transitway Fare Payment Technology	500,000	500,000	454,491	0	0	0	0	0	0	0	1,454,491
Safe Routes to Schools	0	0	0	0	0	0	0	0	0	0	0
Seminary / Howard Safety Improvements	0	0	0	0	0	0	0	0	0	0	0
Seminary Road at Beauregard Street Ellipse	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	0	36,400,000
Traffic Adaptive Signal Control	0	0	0	5,266,000	2,410,000	0	0	0	0	0	7,676,000
Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	0	0	0	2,000,000	3,000,000	14,000,000	TBD	TBD	TBD	0	19,000,000
Transit Corridor "C" - West End Transitway	250,000	250,000	30,967,000	33,055,000	35,979,000	2,600,000	12,100,000	12,500,000	0	0	127,701,000
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	300,000	0	0	0	0	0	0	0	0	0	300,000
Van Dorn/Beauregard Bicycle Facilities	250,000	1,171,000	0	0	0	0	0	0	0	0	1,421,000
Category 3 Total	**26,865,506**	**36,522,371**	**82,097,737**	**97,907,000**	**67,511,000**	**37,914,000**	**37,440,000**	**34,840,000**	**15,980,000**	**11,780,000**	**448,857,614**

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	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
IT Plan											
IT Plan											
AJIS Enhancements	660,000	165,000	170,500	176,000	182,000	188,000	194,500	201,000	208,000	215,500	2,360,500
Animal Shelter Server Replacement	0	0	0	0	0	0	0	0	0	0	0
Application Portfolio Management	0	150,000	0	0	0	0	0	0	0	0	150,000
Business Tax System/Reciprocity Contractor System	0	375,000	0	0	0	0	0	0	0	0	375,000
Computer Aided Dispatch (CAD) System Replacement	0	250,000	0	0	0	0	0	0	0	0	250,000
Connectivity Initiatives	525,000	552,000	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	6,577,000
Council Chamber Technology Upgrade	150,000	0	0	0	0	0	0	0	0	0	150,000
Courtroom Trial Presentation Technology	120,000	100,000	0	0	0	85,000	85,000	0	0	0	390,000
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	40,000	40,000	0	80,000	80,000	440,000
Document Imaging	50,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	330,000
Electronic Government/Web Page	50,000	50,000	0	150,000	50,000	50,000	50,000	130,000	175,000	50,000	755,000
Emergency 911 Phone System Upgrade	0	0	0	0	0	0	0	0	0	0	0
Employee Pension Administration System	300,000	50,000	0	0	0	175,000	25,000	0	0	0	550,000
EMS Records Management 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	0	40,000	40,000	40,000	40,000	20,000	20,000	40,000	40,000	40,000	320,000
Enterprise Data Storage Infrastructure	350,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	375,000	3,025,000
Enterprise Maintenance Mgmt System	40,000	40,000	40,000	40,000	40,000	40,000	20,000	40,000	40,000	40,000	380,000
Enterprise Resource Planning System	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	360,000
Enterprise Service Catalog	0	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	320,000
FOIA System Replacement	0	70,000	50,000	20,000	0	0	0	0	0	0	140,000
GIS Development	0	100,000	50,000	200,000	50,000	150,000	40,000	100,000	50,000	115,000	855,000
HIPAA & Related Health Information Technologies	25,000	50,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	275,000
Information Technology Equipment Replacement	382,000	400,000	405,000	460,000	460,000	450,000	450,000	470,000	500,000	500,000	4,477,000
Information Technology Lump Sum Funding	0	0	3,130,000	3,265,000	3,687,000	3,000,000	3,130,000	3,200,000	3,400,000	3,400,000	26,212,000
IT Enterprise Management System	0	0	0	0	0	0	0	0	0	0	0
LAN Development	15,000	0	0	0	0	0	0	0	0	0	15,000
LAN/WAN Infrastructure	775,000	748,000	821,000	0	0	0	0	0	0	0	2,344,000
Library Public Access Computers and Print Mgmt System	0	0	0	85,000	0	0	0	0	0	0	85,000
Library Self-Service Stations/Equipment	58,000	0	0	0	0	0	0	0	0	0	58,000
Migration of Integrated Library System to SAAS Platform	0	0	0	0	0	0	0	0	0	0	0
Municipal Fiber	5,000,000	0	0	0	0	0	0	0	0	0	5,000,000
Network Security	200,000	280,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	300,000	1,480,000
Network Server Infrastructure	175,000	500,000	0	0	0	0	0	0	0	0	675,000
OHA Records Management System Replacement	0	0	0	0	0	0	0	0	0	0	0
Permit Processing	0	0	0	0	0	0	0	0	0	0	0
Personal Property Tax System	460,000	0	0	0	0	60,000	280,000	0	0	0	800,000

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
IT Plan											
IT Plan											
Phone, Web, Portable Device Payment Portals	0	200,000	0	0	0	0	160,000	0	0	0	360,000
Project Management Software	0	0	0	0	0	0	0	0	0	0	0
Radio System Upgrade	1,756,000	1,565,000	1,200,000	0	0	0	0	0	0	0	4,521,000
Real Estate Account Receivable System	0	0	0	0	0	0	0	800,000	0	0	800,000
Real Estate Assessment System (CAMA)	15,000	15,000	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	985,000
Recreation Database System	35,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	125,000
Remote Access	150,000	150,000	65,000	125,000	0	0	0	0	0	200,000	690,000
Time & Attendance System Upgrade	30,000	30,000	0	0	0	0	0	0	0	0	60,000
Upgrade Work Station Operating Systems	200,000	200,000	0	0	0	0	0	0	0	0	400,000
Voice Over Internet Protocol (VoIP)	50,000	150,000	0	0	0	0	0	0	0	0	200,000
IT Plan Total	**11,611,000**	**6,720,000**	**7,965,500**	**5,749,000**	**5,728,000**	**5,468,000**	**5,738,500**	**6,261,000**	**5,813,000**	**6,235,500**	**67,289,500**
CIP Development & Implementation Staff											
CIP Development & Implementation Staff											
CIP Development & Implementation Staff	4,686,585	4,855,853	5,031,849	5,214,359	5,403,975	5,600,789	5,805,397	6,017,899	6,238,896	6,468,493	55,324,095
CIP Development & Implementation Staff Total	**4,686,585**	**4,855,853**	**5,031,849**	**5,214,359**	**5,403,975**	**5,600,789**	**5,805,397**	**6,017,899**	**6,238,896**	**6,468,493**	**55,324,095**
Reservation of Bond Capacity/Cash Capital for City/School Facilities											
Reservation of Bond Capacity/Cash Capital for City/School Facilities											
CIP Contingency Funding (City)	0	180,000	525,668	438,397	4,832,948	1,271,250	1,456,875	3,391,242	948,375	0	13,044,755
CIP Contingency Funding (Schools)	0	732,738	5,213,689	5,761,603	4,734,897	1,703,358	2,555,037	751,488	3,754,277	0	25,207,087
CIP Contingency Funding (Undesignated)	126	138,436	362,813	60,000	732,155	626,933	1,840,118	1,557,270	3,249,262	8,003,512	16,570,625
City & School Land Acquisition and DCHS Colocation Investment	40,000,000	10,000,000	0	0	0	0	0	5,000,000	5,000,000	0	60,000,000
High School Capacity (Soft Costs)	5,150,000	0	0	0	0	0	0	0	0	0	5,150,000
Planning / Feasibility Studies - Combined City & Schools	0	500,000	250,000	250,000	100,000	100,000	100,000	250,000	250,000	250,000	2,050,000
Witter/Wheeler Campus (includes ACPS Transporation Facility)	210,000	0	0	0	10,650,000	6,212,500	6,212,500	6,212,500	6,212,500	0	35,710,000
Reservation of Bond Capacity/Cash Capital for City/School Facilities Total	**45,360,126**	**11,551,174**	**6,352,170**	**6,510,000**	**21,050,000**	**9,914,041**	**12,164,530**	**17,162,500**	**19,414,414**	**8,253,512**	**157,732,467**
Affordable Housing											
Community Development											
Affordable Housing Funding	4,750,000	4,812,700	4,876,228	4,940,594	5,005,810	5,071,886	5,138,835	5,206,668	5,275,396	5,345,031	50,423,148
Affordable Housing Total	**4,750,000**	**4,812,700**	**4,876,228**	**4,940,594**	**5,005,810**	**5,071,886**	**5,138,835**	**5,206,668**	**5,275,396**	**5,345,031**	**50,423,148**
Grand Total	**199,571,217**	**214,207,724**	**342,756,664**	**360,053,103**	**346,947,535**	**185,292,025**	**155,986,732**	**144,838,017**	**138,509,692**	**104,000,374**	**2,192,163,083**

SUMMARY FUNDING TABLES

Table 1
Approved FY 2019 – FY 2028 Capital Improvement Program
Total Sources and Uses of Capital Improvement Program Funds

Source of Funds	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	TOTAL FY 2019 - 2028
All City Cash Sources (Cash Capital)											
General Fund Planned Appropriations (Transfer from General Fund)	$ 36,966,696	$ 38,295,000	$ 39,332,000	$ 40,388,000	$ 41,486,000	$ 42,605,000	$ 43,759,000	$ 44,943,000	$ 46,248,000	$ 47,497,000	$ 421,519,696
CIP Contingency Funding from FY 2018	$ 10,870,400	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ 10,870,400
Prior Year CIP/Projects Closed-Out/Available Balances	$ 4,509,517	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 9,009,517
Use of Available Bond Premium	$ -	$ 1,600,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,600,000
Use of CIP Designated Fund Balance	$ -	$ 1,050,000	$ 4,200,000	$ 2,731,000							$ 7,981,000
Subtotal, All Unrestricted City Cash Sources	$ 52,346,613	$ 41,445,000	$ 44,032,000	$ 43,619,000	$ 41,986,000	$ 43,105,000	$ 44,259,000	$ 45,443,000	$ 46,748,000	$ 47,997,000	$ 450,980,613
Unrestricted Borrowing Sources											
General Obligation Bonds (Excl. Sewers/TIP/Potomac Yard)	$ 90,266,620	$ 59,751,238	$ 142,113,541	$ 103,996,989	$ 123,141,876	$ 48,557,245	$ 54,525,890	$ 51,891,106	$ 53,523,942	$ 22,123,945	$ 749,892,392
General Obligation Bond Interest Earnings	$ 299,455	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 2,549,455
Subtotal, All Unrestricted City Sources	$ 142,912,688	$ 101,446,238	$ 186,395,541	$ 147,865,989	$ 165,377,876	$ 91,912,245	$ 99,034,890	$ 97,584,106	$ 100,521,942	$ 70,370,945	$ 1,203,422,460
Restricted City Sources											
Pension Administrative Fees	$ 300,000	$ 50,000	$ -	$ -	$ -	$ 175,000	$ 25,000	$ -	$ -	$ -	$ 550,000
Meals Tax Dedication for Affordable Housing	$ 4,750,000	$ 4,812,700	$ 4,876,228	$ 4,940,594	$ 5,005,810	$ 5,071,886	$ 5,138,835	$ 5,206,668	$ 5,275,396	$ 5,345,031	$ 50,423,148
Sanitary Sewer Fees	$ 1,757,592	$ 1,677,354	$ 1,697,682	$ 1,718,571	$ 1,740,139	$ 1,762,303	$ 1,785,181	$ 1,808,791	$ 1,833,053	$ 1,857,986	$ 17,638,652
General Obligation Bonds - Sanitary Sewers	$ 15,050,000	$ 58,910,000	$ 44,515,000	$ 79,125,000	$ 67,475,000	$ 33,975,000	$ 8,675,000	$ 675,000	$ 975,000	$ 975,000	$ 310,350,000
Stormwater Utility Fees	$ 2,114,530	$ 2,284,200	$ 2,434,433	$ 2,035,225	$ 2,661,693	$ 4,088,754	$ 4,176,525	$ 4,205,026	$ 4,734,175	$ 4,258,991	$ 32,993,552
General Obligation Bonds - Stormwater Management	$ 3,683,000	$ 4,050,000	$ 4,100,000	$ 3,275,000	$ 3,275,000	$ 4,775,000	$ 4,715,000	$ 4,715,000	$ 6,715,000	$ 2,715,000	$ 42,018,000
Cash Capital - Transportation Improvement Program	$ 1,249,955	$ 924,348	$ 1,787,085	$ 700,157	$ 1,913,673	$ 1,477,543	$ 1,741,878	$ 1,506,690	$ 1,771,888	$ 1,787,486	$ 14,860,703
Reprogrammed Transportation Improvement Program Funds	$ 462,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 462,000
Potomac Yard Special Tax District Revenue	$ 176,226	$ 181,513	$ 186,958	$ 192,567	$ 198,344	$ 204,294	$ 210,423	$ 216,736	$ 223,238	$ 229,935	$ 2,020,234
TBD Dedicated Revenue Source (WMATA)	$ -	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 90,000,000
Subtotal, Restricted City Sources	$ 29,543,303	$ 82,890,115	$ 69,597,386	$ 101,987,114	$ 92,269,659	$ 61,529,780	$ 36,467,842	$ 28,333,911	$ 31,527,750	$ 27,169,429	$ 561,316,289
Non-City Sources											
CMAQ/RSTP	$ 3,490,800	$ 1,758,158	$ 3,507,737	$ 1,350,000	$ 1,500,000	$ -	$ -	$ -	$ -	$ -	$ 11,606,695
Comcast Revenues	$ 1,700,000	$ 1,700,000	$ 1,700,000	$ 908,000	$ 939,000	$ 970,000	$ 1,004,000	$ 1,040,000	$ 1,080,000	$ 1,080,000	$ 12,121,000
Developer Contributions	$ 1,730,000	$ 4,545,213	$ 16,280,000	$ 16,780,000	$ 80,000	$ 2,680,000	$ 12,180,000	$ 12,580,000	$ 80,000	$ 80,000	$ 67,015,213
Interjurisdictional Contributions (CSO)	$ -	$ 4,360,000	$ 16,985,000	$ 18,300,000	$ 14,200,000	$ -	$ -	$ -	$ -	$ -	$ 53,845,000
NVTA 30%	$ 5,050,000	$ 4,875,000	$ 2,775,000	$ 4,200,000	$ 3,650,000	$ 4,100,000	$ 3,700,000	$ 3,700,000	$ 3,700,000	$ 3,700,000	$ 39,450,000
NVTA 70%	$ 250,000	$ 250,000	$ 20,000,000	$ 20,000,000	$ 19,740,000	$ -	$ -	$ -	$ -	$ -	$ 60,240,000
Private Capital Contributions	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 1,100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 2,000,000
State/Federal Grants	$ 2,794,426	$ 2,783,000	$ 13,916,000	$ 28,062,000	$ 28,591,000	$ 14,500,000	$ -	$ -	$ -	$ -	$ 90,646,426
State CSO Capital Share	$ 12,000,000	$ 8,000,000	$ 10,000,000	$ 19,000,000	$ 19,000,000	$ 7,000,000	$ 2,000,000	$ -	$ -	$ -	$ 77,000,000
State Revenue Sharing	$ -	$ 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	$ 13,500,000
Subtotal, Non-City Sources	$ 27,115,226	$ 29,871,371	$ 86,763,737	$ 110,200,000	$ 89,300,000	$ 31,850,000	$ 20,484,000	$ 18,920,000	$ 6,460,000	$ 6,460,000	$ 427,424,334
Total, All Sources	**$ 199,571,217**	**$ 214,207,724**	**$ 342,756,664**	**$ 360,053,103**	**$ 346,947,535**	**$ 185,292,025**	**$ 155,986,732**	**$ 144,838,017**	**$ 138,509,692**	**$ 104,000,374**	**$ 2,192,163,083**

All Uses (CIP Document Section)	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	TOTAL FY 2019 - 2028
Schools	$ 33,181,789	$ 26,220,826	$ 113,682,830	$ 68,920,000	$ 53,425,000	$ 27,649,459	$ 25,325,970	$ 11,951,000	$ 32,155,086	$ 15,101,488	$ 407,613,448
Community Development	$ 14,925,060	$ 10,703,500	$ 11,910,828	$ 19,891,994	$ 15,265,310	$ 7,753,486	$ 20,908,835	$ 15,079,368	$ 8,221,796	$ 9,833,131	$ 134,493,308
IT Plan	$ 11,611,000	$ 6,720,000	$ 7,965,500	$ 5,749,000	$ 5,728,000	$ 5,468,000	$ 5,738,500	$ 6,261,000	$ 5,813,000	$ 6,235,500	$ 67,289,500
Other Regional Contributions	$ 759,226	$ 847,000	$ 855,000	$ 864,000	$ 872,000	$ 881,000	$ 889,000	$ 898,000	$ 908,000	$ 917,000	$ 8,690,226
Public Buildings	$ 9,560,750	$ 14,710,000	$ 19,285,750	$ 18,769,750	$ 41,570,250	$ 10,368,250	$ 8,542,500	$ 21,226,250	$ 6,216,500	$ 2,727,250	$ 152,977,250
Recreation & Parks	$ 8,358,000	$ 8,769,213	$ 7,829,000	$ 7,647,000	$ 8,397,000	$ 12,747,000	$ 7,947,000	$ 8,122,000	$ 8,817,000	$ 8,612,000	$ 87,245,213
Sanitary Sewers	$ 29,900,000	$ 73,195,000	$ 73,600,000	$ 117,250,000	$ 101,500,000	$ 41,800,000	$ 11,500,000	$ 1,500,000	$ 1,800,000	$ 1,800,000	$ 453,845,000
Stormwater Management	$ 3,861,720	$ 4,735,000	$ 4,740,000	$ 4,770,000	$ 5,375,000	$ 8,280,000	$ 8,285,000	$ 8,290,000	$ 10,795,000	$ 6,295,000	$ 65,426,720
Transportation	$ 37,366,961	$ 51,900,158	$ 91,503,737	$ 104,467,000	$ 88,361,000	$ 54,830,000	$ 48,880,000	$ 48,330,000	$ 38,130,000	$ 37,757,000	$ 601,525,856
Reservation of Bond Capacity/Cash Capital for City/School Facilities	$ 45,360,126	$ 11,551,174	$ 6,352,170	$ 6,510,000	$ 21,050,000	$ 9,914,041	$ 12,164,530	$ 17,162,500	$ 19,414,414	$ 8,253,512	$ 157,732,467
CIP Development & Implementation Staff	$ 4,686,585	$ 4,855,853	$ 5,031,849	$ 5,214,359	$ 5,403,975	$ 5,600,789	$ 5,805,397	$ 6,017,899	$ 6,238,896	$ 6,468,493	$ 55,324,095
Grand Total	**$ 199,571,217**	**$ 214,207,724**	**$ 342,756,664**	**$ 360,053,103**	**$ 346,947,535**	**$ 185,292,025**	**$ 155,986,732**	**$ 144,838,017**	**$ 138,509,692**	**$ 104,000,374**	**$ 2,192,163,083**

% from Bonds	54.6%	57.3%	55.6%	51.8%	55.9%	47.1%	43.5%	39.5%	44.2%	24.8%	50.3%
% from City and Other Cash Sources	45.4%	42.7%	44.4%	48.2%	44.1%	52.9%	56.5%	60.5%	55.8%	75.2%	49.7%

Table 2
Approved FY 2019 – FY 2028 Capital Improvement Program
Sources and Uses of Funds
For the Ten Fiscal Years Ending June 30, 2028

City Funded Sources	Recurruing Cash Capital (1)	Projected G/F Debt Service (2)	Total General Fund
Planned Future General Fund Appropriations to Support Capital Projects, FY 2019 - 2028			
FY 2019	$42,966,651	$71,550,182	$114,516,833
FY 2020	$44,032,048	$87,552,743	$131,584,791
FY 2021	$45,995,313	$103,580,824	$149,576,137
FY 2022	$46,028,751	$115,552,837	$161,581,588
FY 2023	$48,405,483	$131,448,730	$179,854,213
FY 2024	$49,154,429	$132,861,603	$182,016,032
FY 2025	$50,639,713	$135,117,042	$185,756,755
FY 2026	$51,656,358	$134,295,212	$185,951,570
FY 2027	$53,295,284	$132,573,252	$185,868,536
FY 2028	$54,629,517	$130,831,981	$185,461,498
TOTAL Planned Future Appropriations	$486,803,547	$1,175,364,405	$1,662,167,952

(1) Includes only recurring Cash Capital, TIP cash and Meals Tax Dedication for Affordable Housing, but not one-time cash sources.
(2) Includes planned Sanitary Sewer, Landmark Development, and Potomac Yard debt service.

Planned General Obligation Bond Issues	
FY 2019	$108,999,620
FY 2020	$122,711,238
FY 2021	$190,728,541
FY 2022	$186,396,989
FY 2023	$193,891,876
FY 2024	$87,307,245
FY 2025	$67,915,890
FY 2026	$57,281,106
FY 2027	$61,213,942
FY 2028	$25,813,945
TOTAL Planned General Obligation Bond Issues	$1,102,260,392

Planned Other City Sources	
Prior Year CIP/Projects Closed-Out/Available Balances	$9,009,517
CIP Contingency Funding from FY 2018	$10,870,400
Use of Available Bond Premium	$1,600,000
Use of CIP Designated Fund Balance	$7,981,000
General Obligation Bond Interest Earnings	$2,549,455
Stormwater Utility Fees	$32,993,552
Sanitary Sewer Fees	$17,638,652
Pension Administrative Fees	$550,000
Reprogrammed Transportation Improvement Program Ba	$462,000
TBD Dedicated Revenue Source for WMATA	$90,000,000
Potomac Yard Special Tax District Revenue	$2,020,234
TOTAL Planned Other City Sources	$175,674,810
TOTAL CITY SOURCES (FY 2019 - FY 2028)	$2,940,103,154

Table 2 (Continued)
Approved FY 2019 – FY 2028 Capital Improvement Program
Sources and Uses of Funds
For the Ten Fiscal Years Ending June 30, 2028

Approved FY 2019 - FY 2028 City Funded CIP	
FY 2019 Approved Capital Budget	$172,455,991
FY 2020 Approved Capital Budget	$184,336,353
FY 2021 Approved Capital Budget	$255,992,927
FY 2022 Approved Capital Budget	$249,853,103
FY 2023 Approved Capital Budget	$257,647,535
FY 2024 Approved Capital Budget	$153,442,025
FY 2025 Approved Capital Budget	$135,502,732
FY 2026 Approved Capital Budget	$125,918,017
FY 2027 Approved Capital Budget	$132,049,692
FY 2028 Approved Capital Budget	$97,540,374
TOTAL CITY FUNDED USES (FY 2019 - FY 2028)	$1,764,738,749

Table 3
Approved FY 2019 – FY 2028 Capital Improvement Program
All Funding Sources

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Bond Premiums											
ACPS											
ACPS Capital Program	0	1,600,000	0	0	0	0	0	0	0	0	1,600,000
Bond Premiums Total	**0**	**1,600,000**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,600,000**
Cash Capital											
ACPS											
ACPS Capital Program	10,024,252	9,996,588	7,496,289	9,408,511	3,949,624	11,859,714	12,175,580	11,064,394	11,156,644	15,101,488	102,233,084
CIP Development & Implementation Staff											
CIP Development & Implementation Staff	2,940,842	3,057,738	3,179,791	3,306,739	3,439,126	3,576,995	3,720,890	3,870,856	4,027,442	4,190,695	35,311,114
Community Development											
Braddock Road Area Plan - Streetscape Improvements	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	405,000
Citywide Street Lighting	125,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	350,000
Development Studies	850,000	0	0	0	0	0	0	0	0	0	850,000
Environmental Restoration	150,000	0	150,000	0	150,000	0	150,000	0	150,000	0	750,000
Gadsby Lighting Fixtures & Poles Replacement	75,000	0	75,000	0	75,000	0	75,000	0	75,000	75,000	450,000
Oronoco Outfall Remediation Project	200,000	0	0	0	0	0	0	0	0	0	200,000
Police Body-Worn Cameras (BWC's)	0	TBD	TBD	0	0	0	0	0	0	0	-
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	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	225,000
Transportation Signage & Wayfinding System	361,000	432,000	241,000	0	0	0	0	0	0	0	1,034,000
IT Plan											
AJIS Enhancements	660,000	165,000	170,500	176,000	182,000	188,000	194,500	201,000	208,000	215,500	2,360,500
Animal Shelter Server Replacement	0	0	0	0	0	0	0	0	0	0	0
Application Portfolio Management	0	150,000	0	0	0	0	0	0	0	0	150,000
Business Tax System/Reciprocity Contractor System	0	375,000	0	0	0	0	0	0	0	0	375,000
Computer Aided Dispatch (CAD) System Replacement	0	250,000	0	0	0	0	0	0	0	0	250,000
Council Chamber Technology Upgrade	150,000	0	0	0	0	0	0	0	0	0	150,000
Courtroom Trial Presentation Technology	120,000	100,000	0	0	0	85,000	85,000	0	0	0	390,000
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	40,000	40,000	0	80,000	80,000	440,000
Document Imaging	50,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	330,000
Electronic Government/Web Page	50,000	0	0	150,000	50,000	50,000	50,000	130,000	175,000	50,000	705,000
Emergency 911 Phone System Upgrade	0	0	0	0	0	0	0	0	0	0	0
EMS Records Management 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	0	0	40,000	40,000	40,000	20,000	20,000	40,000	40,000	40,000	280,000
Enterprise Data Storage Infrastructure	150,000	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	175,000	1,025,000
Enterprise Maintenance Mgmt System	40,000	40,000	40,000	40,000	40,000	40,000	20,000	40,000	40,000	40,000	380,000
Enterprise Resource Planning System	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	360,000
Enterprise Service Catalog	0	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	320,000
FOIA System Replacement	0	70,000	50,000	20,000	0	0	0	0	0	0	140,000
GIS Development	0	0	50,000	200,000	50,000	150,000	40,000	100,000	50,000	115,000	755,000
HIPAA & Related Health Information Technologies	25,000	50,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	275,000
Information Technology Equipment Replacement	382,000	400,000	405,000	460,000	460,000	450,000	450,000	470,000	500,000	500,000	4,477,000
Information Technology Lump Sum Funding	0	0	2,630,000	2,765,000	3,187,000	2,500,000	2,630,000	2,700,000	2,900,000	2,900,000	22,212,000

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Cash Capital											
IT Plan											
LAN Development	15,000	0	0	0	0	0	0	0	0	0	15,000
Library Public Access Computers and Print Mgmt System	0	0	0	85,000	0	0	0	0	0	0	85,000
Library Self-Service Stations/Equipment	58,000	0	0	0	0	0	0	0	0	0	58,000
Municipal Fiber	1,500,000	0	0	0	0	0	0	0	0	0	1,500,000
Network Security	100,000	180,000	0	0	0	0	0	0	0	200,000	480,000
Network Server Infrastructure	75,000	400,000	0	0	0	0	0	0	0	0	475,000
OHA Records Management System Replacement	0	0	0	0	0	0	0	0	0	0	0
Personal Property Tax System	460,000	0	0	0	0	60,000	280,000	0	0	0	800,000
Phone, Web, Portable Device Payment Portals	0	90,000	0	0	0	0	160,000	0	0	0	250,000
Radio System Upgrade	1,756,000	1,565,000	1,200,000	0	0	0	0	0	0	0	4,521,000
Real Estate Account Receivable System	0	0	0	0	0	0	0	800,000	0	0	800,000
Real Estate Assessment System (CAMA)	15,000	15,000	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	985,000
Recreation Database System	35,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	125,000
Remote Access	150,000	150,000	65,000	125,000	0	0	0	0	0	200,000	690,000
Time & Attendance System Upgrade	30,000	30,000	0	0	0	0	0	0	0	0	60,000
Upgrade Work Station Operating Systems	200,000	200,000	0	0	0	0	0	0	0	0	400,000
Voice Over Internet Protocol (VoIP)	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Other Regional Contributions											
Northern Virginia Community College (NVCC)	358,794	403,000	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	4,131,794
Northern Virginia Regional Park Authority (NVRPA)	400,432	444,000	448,000	453,000	457,000	462,000	466,000	471,000	476,000	481,000	4,558,432
Public Buildings											
2355 Mill Road CFMP	0	1,389,000	193,000	0	0	1,219,000	0	960,000	0	0	3,761,000
Beatley Building Envelope Restoration	0	0	0	0	0	0	0	0	0	0	0
Capital Planning & Building Assessment (Condition Assessment)	450,000	300,000	0	100,000	100,000	100,000	0	0	0	0	1,050,000
City Hall Renovation and HVAC Replacement	250,000	250,000	1,500,000	500,000	500,000	750,000	0	0	0	0	3,750,000
City Historic Facilities CFMP	1,385,000	1,650,000	470,000	550,000	110,000	2,330,000	290,000	190,000	400,000	400,000	7,775,000
Courthouse CFMP	1,280,000	1,100,000	1,100,000	1,100,000	0	0	0	0	0	0	4,580,000
Courthouse/PSC Security System Upgrade	0	0	0	0	0	0	0	0	3,500,000	0	3,500,000
Emergency Power Systems	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	0	0	1,615,000
Energy Management Program	125,000	275,000	475,000	475,000	383,000	475,000	360,000	375,000	375,000	375,000	3,693,000
Expansion of Police Property Evidence Storage Study	0	0	0	0	0	100,000	0	0	0	0	100,000
Fire & Rescue CFMP	487,000	982,000	745,000	970,000	90,000	585,000	120,000	970,000	150,000	150,000	5,249,000
Fire Station 205 (Cameron Street)	0	0	250,000	0	0	0	0	0	0	0	250,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	1,500,000	3,743,000	0	0	5,243,000
Fleet Building CFMP	0	1,100,000	590,000	820,000	360,000	0	0	1,700,000	110,000	110,000	4,790,000
General Services CFMP	746,750	804,000	1,011,750	969,750	928,250	987,250	996,500	956,250	766,500	777,250	8,944,250
Health Department CFMP	0	0	500,000	1,044,500	0	0	0	0	0	0	1,544,500
Library CFMP	500,000	0	0	300,000	66,000	87,000	0	0	0	0	953,000
Market Square Plaza and Garage Structural Repairs	0	0	1,590,000	0	0	0	0	0	0	0	1,590,000
Mental Health Residential Facilities CFMP	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
New Burn Building	0	0	0	540,000	0	0	0	0	0	0	540,000
Office of the Sheriff CFMP	1,152,000	1,254,000	2,300,000	2,000,000	1,900,000	2,345,000	1,456,000	0	0	0	12,407,000
Pistol Range	100,000	0	0	0	0	0	0	0	0	0	100,000
Preventative Maintenance Systems and Staffing Study	350,000	0	0	0	0	0	0	0	0	0	350,000
Roof Replacement Program	0	40,000	0	220,000	0	0	200,000	210,000	0	255,500	925,500
Torpedo Factory Space Programming Study	120,000	250,000	0	0	0	0	0	0	0	0	370,000
Vola Lawson Animal Shelter	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000

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	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Cash Capital											
Recreation & Parks											
Americans with Disabilities Act (ADA) Requirements	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	110,000	110,000	1,320,000
Athletic Field Improvements (incl. Synthetic Turf)	500,000	500,000	500,000	500,000	500,000	500,000	2,000,000	200,000	2,000,000	2,000,000	9,200,000
Ball Court Renovations	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	165,000	165,000	1,530,000
Chinquapin Recreation Center CFMP	920,000	775,000	975,000	775,000	775,000	375,000	775,000	575,000	25,000	25,000	5,995,000
City Marina Maintenance	90,000	75,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	525,000
Citywide Parks Improvements Plan	100,000	0	100,000	0	100,000	100,000	100,000	100,000	100,000	100,000	800,000
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	400,000	0	170,000	0	150,000	0	200,000	0	200,000	0	1,120,000
Neighborhood Pool Demolition/Conversion	0	450,000	0	450,000	0	0	0	0	0	0	900,000
Old Town Pool Renovations	0	0	0	0	500,000	0	0	0	0	0	500,000
Open Space Acquisition and Develop.	500,000	300,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	1,619,555	5,919,555
Park Maintenance Facilities	0	0	0	0	0	0	0	0	0	0	0
Park Renovations CFMP	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	458,000	450,000	4,231,000
Pavement in Parks	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Playground Renovations CFMP	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	730,000	730,000	6,599,000
Proactive Maintenance of the Urban Forest	106,500	106,500	106,500	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,719,500
Public Pools	52,000	67,000	52,000	52,000	97,000	97,000	97,000	97,000	97,000	97,000	805,000
Recreation Centers CFMP	743,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	7,268,000
Soft Surface Trails	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	132,000	135,000	1,227,000
Tree & Shrub Capital Maintenance	357,500	219,500	219,500	326,000	326,000	326,000	326,000	326,000	360,000	360,000	3,146,500
Water Management & Irrigation	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	140,000	140,000	1,304,000
Waterfront Parks CFMP	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	55,000	55,000	510,000
Reservation of Bond Capacity/Cash Capital for City/School Facilities											
CIP Contingency Funding (City)	0	0	525,668	438,397	4,832,948	1,271,250	1,456,875	3,391,242	948,375	0	12,864,755
CIP Contingency Funding (Schools)	0	0	1,013,689	3,030,603	4,734,897	1,703,358	2,555,037	751,488	3,754,277	0	17,543,349
CIP Contingency Funding (Undesignated)	126	1,174	362,813	60,000	732,155	626,933	1,840,118	1,557,270	3,249,262	8,003,512	16,433,363
Planning / Feasibility Studies - Combined City & Schools	0	500,000	250,000	250,000	100,000	100,000	100,000	250,000	250,000	250,000	2,050,000
Witter/Wheeler Campus (includes ACPS Transporation Facility)	210,000	0	0	0	4,546,500	1,000,000	1,000,000	1,000,000	1,000,000	0	8,756,500
Transportation											
Bridge Repairs	200,000	600,000	200,000	600,000	200,000	1,600,000	1,200,000	1,300,000	2,200,000	2,400,000	10,500,000
Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Complete Streets	970,000	630,000	630,000	630,000	630,000	630,000	830,000	480,000	630,000	830,000	6,890,000
DASH Bus Fleet Replacements	0	675,000	675,000	675,000	700,000	0	0	0	0	0	2,725,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	204,000	379,000	350,000	400,000	500,000	550,000	450,000	450,000	450,000	450,000	4,183,000
Fixed Transportation Equipment	150,000	150,000	150,000	150,000	150,000	175,000	175,000	150,000	565,000	565,000	2,380,000
Shared-Use Paths	0	300,000	0	300,000	0	300,000	0	300,000	0	0	1,200,000
Sidewalk Capital Maintenance	600,000	600,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	327,000	4,827,000
WMATA Capital Contributions	0	0	0	0	0	0	0	0	0	0	0
Cash Capital Total	**36,966,696**	**38,295,000**	**39,332,000**	**40,388,000**	**41,486,000**	**42,605,000**	**43,759,000**	**44,943,000**	**46,248,000**	**47,497,000**	**421,519,696**

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	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
CMAQ/RSTP											
Transportation											
Backlick Run Multi-Use Paths	1,918,000	0	0	0	0	0	0	0	0	0	1,918,000
Bicycle Parking at Transit	0	0	0	0	0	0	0	0	0	0	0
Bus Shelters and Benches	152,400	203,079	823,123	500,000	400,000	0	0	0	0	0	2,078,602
Capital Bikeshare	368,000	402,000	350,000	400,000	250,000	0	0	0	0	0	1,770,000
Citywide Parking - Parking Technologies	352,400	203,079	630,123	450,000	250,000	0	0	0	0	0	1,885,602
DASH Electronic Fare Payment	0	450,000	750,000	0	0	0	0	0	0	0	1,200,000
DASH Technology	200,000	0	0	0	600,000	0	0	0	0	0	800,000
Eisenhower Avenue Roadway Improvements	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Trail @ East Abingdon	0	0	0	0	0	0	0	0	0	0	0
Route 1 Transitway Fare Payment Technology	500,000	500,000	454,491	0	0	0	0	0	0	0	1,454,491
Transportation Master Plan Update	0	0	500,000	0	0	0	0	0	0	0	500,000
Van Dorn Metrorail Station Area Imprv.	0	0	0	0	0	0	0	0	0	0	0
CMAQ/RSTP Total	**3,490,800**	**1,758,158**	**3,507,737**	**1,350,000**	**1,500,000**	**0**	**0**	**0**	**0**	**0**	**11,606,695**
Code Admin Fund											
IT Plan											
Enterprise Data Storage Infrastructure	0	0	0	0	0	0	0	0	0	0	0
Permit Processing	0	0	0	0	0	0	0	0	0	0	0
Code Admin Fund Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Comcast Revenues											
IT Plan											
Connectivity Initiatives	525,000	552,000	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	6,577,000
Enterprise Data Storage Infrastructure	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
LAN/WAN Infrastructure	775,000	748,000	821,000	0	0	0	0	0	0	0	2,344,000
Network Security	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Network Server Infrastructure	100,000	100,000	0	0	0	0	0	0	0	0	200,000
Comcast Revenues Total	**1,700,000**	**1,700,000**	**1,700,000**	**908,000**	**939,000**	**970,000**	**1,004,000**	**1,040,000**	**1,080,000**	**1,080,000**	**12,121,000**
Developer Contribution											
Community Development											
Development Studies	250,000	0	0	0	0	0	0	0	0	0	250,000
Public Art Acquisition	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	800,000
Recreation & Parks											
Braddock Area Plan Park	0	965,213	0	0	0	0	0	0	0	0	965,213
Transportation											
East Glebe & Route 1	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Seminary Road at Beauregard Street Ellipse	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	0	36,400,000
Transit Corridor "C" - West End Transitway	0	0	0	0	0	2,600,000	12,100,000	12,500,000	0	0	27,200,000
Developer Contribution Total	**1,730,000**	**4,545,213**	**16,280,000**	**16,780,000**	**80,000**	**2,680,000**	**12,180,000**	**12,580,000**	**80,000**	**80,000**	**67,015,213**

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	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
FY 2018 Contingency Funds											
ACPS											
ACPS Capital Program	5,720,400	0	0	0	0	0	0	0	0	0	5,720,400
Reservation of Bond Capacity/Cash Capital for City/School Facilities											
High School Capacity (Soft Costs)	5,150,000	0	0	0	0	0	0	0	0	0	5,150,000
FY 2018 Contingency Funds Total	**10,870,400**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10,870,400**
GO Bond Interest Earnings											
Transportation											
WMATA Capital Contributions	299,455	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,549,455
GO Bond Interest Earnings Total	**299,455**	**250,000**	**250,000**	**250,000**	**250,000**	**250,000**	**250,000**	**250,000**	**250,000**	**250,000**	**2,549,455**
GO Bonds											
ACPS											
ACPS Capital Program	12,927,620	14,624,238	106,186,541	59,511,489	49,475,376	15,789,745	13,150,390	886,606	20,998,442	0	293,550,447
Community Development											
Fire Department Vehicles & Apparatus	1,657,000	1,997,000	612,000	3,020,000	1,868,000	500,000	2,268,000	530,000	2,103,000	3,789,000	18,344,000
Waterfront Small Area Plan Implementation (w/ Construction Funding)	5,800,000	2,880,000	5,370,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	0	0	55,940,000
IT Plan											
Municipal Fiber	3,500,000	0	0	0	0	0	0	0	0	0	3,500,000
Public Buildings											
City Hall Renovation and HVAC Replacement	250,000	250,000	2,425,000	500,000	26,850,000	750,000	0	0	0	0	31,025,000
City Historic Facilities CFMP	30,000	250,000	250,000	0	0	0	0	0	0	0	530,000
Courthouse CFMP	720,000	900,000	900,000	900,000	0	0	0	0	0	0	3,420,000
Energy Management Program	100,000	400,000	400,000	300,000	400,000	500,000	400,000	300,000	300,000	300,000	3,400,000
Fire & Rescue CFMP	0	500,000	0	0	0	0	0	500,000	0	0	1,000,000
Fire Station 203 (Cameron Mills)	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Fire Station 205 (Cameron Street)	0	0	0	3,150,000	7,875,000	0	0	0	0	0	11,025,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	2,000,000	10,957,000	0	0	12,957,000
Fleet Building CFMP	0	1,500,000	0	280,000	0	0	0	0	0	0	1,780,000
Health Department CFMP	0	0	1,750,000	795,500	0	0	0	0	0	0	2,545,500
Market Square Plaza and Garage Structural Repairs	0	0	1,910,000	3,000,000	0	0	0	0	0	0	4,910,000
New Burn Building	0	0	0	0	1,600,000	0	0	0	0	0	1,600,000
Office of the Sheriff CFMP	0	1,000,000	0	0	0	0	0	0	0	0	1,000,000
Roof Replacement Program	0	0	410,000	0	0	0	1,000,000	0	500,000	244,500	2,154,500
Witter/Wheeler - Fuel Island Renovation	0	0	0	0	0	0	0	0	0	0	0
Recreation & Parks											
Athletic Field Improvements (incl. Synthetic Turf)	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	0	1,800,000	0	0	10,800,000
Chinquapin Recreation Center CFMP	0	0	0	0	0	0	0	0	0	0	0
Citywide Parks Improvements Plan	400,000	0	400,000	0	400,000	400,000	400,000	400,000	400,000	400,000	3,200,000
Old Town Pool Renovations	0	0	0	0	0	4,000,000	0	0	0	0	4,000,000
Open Space Acquisition and Develop.	555,000	700,000	500,000	500,000	500,000	900,000	500,000	1,075,000	1,500,000	380,445	7,110,445
Patrick Henry Recreation Center	0	0	0	0	0	0	0	0	0	0	0
Patrick Henry Synthetic Turf Field and Outdoor Play Features	0	0	0	0	0	0	0	0	0	0	0
Pavement in Parks	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	225,000	225,000	2,050,000
Restroom Renovations	0	0	0	0	0	0	0	0	400,000	400,000	800,000
Reservation of Bond Capacity/Cash Capital for City/School Facilities											
City & School Land Acquisition and DCHS Colocation Investment	40,000,000	10,000,000	0	0	0	0	0	5,000,000	5,000,000	0	60,000,000
Witter/Wheeler Campus (includes ACPS Transporation Facility)	0	0	0	0	6,103,500	5,212,500	5,212,500	5,212,500	5,212,500		26,953,500
Transportation											
Bridge Repairs	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Complete Streets	249,000	500,000	500,000	200,000	200,000	200,000	0	200,000	200,000	0	2,249,000
Eisenhower Avenue Roadway Improvements	170,000	0	0	0	0	0	0	0	0	0	170,000
Fixed Transportation Equipment	700,000	700,000	700,000	700,000	2,200,000	700,000	700,000	750,000	335,000	335,000	7,820,000
King & Beauregard Intersection Improvements	0	0	0	0	0	0	0	0	0	0	0
Street Reconstruction & Resurfacing of Major Roads	5,260,000	4,000,000	4,000,000	4,000,000	2,800,000	2,475,000	2,475,000	1,800,000	2,800,000	2,500,000	32,110,000
WMATA Capital Contributions	14,748,000	17,750,000	14,000,000	14,000,000	13,500,000	13,750,000	13,450,000	13,450,000	13,450,000	13,450,000	141,548,000
GO Bonds Total	**90,266,620**	**59,751,238**	**142,113,541**	**103,996,989**	**123,141,876**	**48,557,245**	**54,525,890**	**51,891,106**	**53,523,942**	**22,123,945**	**749,892,392**

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
GO Bonds (Sanitary)											
Sanitary Sewers											
AlexRenew Wastewater Treatment Plant Capacity	0	11,070,000	11,400,000	11,750,000	0	0	0	0	0	0	34,220,000
Citywide Sewershed Infiltration & Inflow	0	3,075,000	2,850,000	4,000,000	0	0	0	0	0	0	9,925,000
Combined Sewer Assessment & Rehabilitation	1,850,000	1,275,000	1,275,000	0	0	0	0	0	0	0	4,400,000
Combined Sewer Outfall (001 - 004)	13,000,000	42,640,000	28,015,000	62,700,000	66,800,000	33,000,000	8,000,000	0	0	0	254,155,000
Combined Sewer Separation Projects	0	0	300,000	0	0	300,000	0	0	300,000	300,000	1,200,000
Reconstructions & Extensions of Sanitary Sewers	200,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	4,700,000
Stormwater Management											
Green Infrastructure	0	350,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	1,750,000
GO Bonds (Sanitary) Total	**15,050,000**	**58,910,000**	**44,515,000**	**79,125,000**	**67,475,000**	**33,975,000**	**8,675,000**	**675,000**	**975,000**	**975,000**	**310,350,000**
GO Bonds (Stormwater)											
Sanitary Sewers											
Combined Sewer Assessment & Rehabilitation	1,850,000	1,275,000	1,275,000	0	0	0	0	0	0	0	4,400,000
Stormwater Management											
Cameron Station Pond Retrofit	0	0	0	0	0	0	0	0	0	0	0
City Facilities Stormwater Best Management Practices (BMPs)	883,000									0	883,000
Lucky Run Stream Restoration	400,000	0	0	0	0	0	0	0	0	0	400,000
MS4-TMDL Compliance Water Quality Imprv.	250,000	2,250,000	2,300,000	2,750,000	2,750,000	4,250,000	4,190,000	4,190,000	6,190,000	2,190,000	31,310,000
Storm Sewer System Spot Improvements	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Stream & Channel Maintenance	0	225,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	2,025,000
GO Bonds (Stormwater) Total	**3,683,000**	**4,050,000**	**4,100,000**	**3,275,000**	**3,275,000**	**4,775,000**	**4,715,000**	**4,715,000**	**6,715,000**	**2,715,000**	**42,018,000**
Interjurisdictional Contributions											
Sanitary Sewers											
Combined Sewer Outfall (001 - 004)	0	4,360,000	16,985,000	18,300,000	14,200,000	0	0	0	0	0	53,845,000
Interjurisdictional Contributions Total	**0**	**4,360,000**	**16,985,000**	**18,300,000**	**14,200,000**	**0**	**0**	**0**	**0**	**0**	**53,845,000**
Meals Tax Dedication for Affordable Housing											
Community Development											
Affordable Housing Funding	4,750,000	4,812,700	4,876,228	4,940,594	5,005,810	5,071,886	5,138,835	5,206,668	5,275,396	5,345,031	50,423,148
Meals Tax Dedication for Affordable Housing Total	**4,750,000**	**4,812,700**	**4,876,228**	**4,940,594**	**5,005,810**	**5,071,886**	**5,138,835**	**5,206,668**	**5,275,396**	**5,345,031**	**50,423,148**
NVTA 30% Funds											
Transportation											
DASH Bus Fleet Replacements	3,954,000	2,854,000	2,125,000	2,700,000	1,400,000	2,100,000	1,400,000	1,400,000	1,400,000	1,400,000	20,733,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	96,000	521,000	0	0	0	0	0	0	0	0	617,000
WMATA Capital Contributions	1,000,000	1,500,000	650,000	1,500,000	2,250,000	2,000,000	2,300,000	2,300,000	2,300,000	2,300,000	18,100,000
NVTA 30% Funds Total	**5,050,000**	**4,875,000**	**2,775,000**	**4,200,000**	**3,650,000**	**4,100,000**	**3,700,000**	**3,700,000**	**3,700,000**	**3,700,000**	**39,450,000**
NVTA 70% Funds											
Transportation											
Transit Corridor "C" - West End Transitway	250,000	250,000	20,000,000	20,000,000	19,740,000	0	0	0	0	0	60,240,000
NVTA 70% Funds Total	**250,000**	**250,000**	**20,000,000**	**20,000,000**	**19,740,000**	**0**	**0**	**0**	**0**	**0**	**60,240,000**
Pension Admin. Fees											
IT Plan											
Employee Pension Administration System	300,000	50,000	0	0	0	175,000	25,000	0	0	0	550,000
Pension Admin. Fees Total	**300,000**	**50,000**	**0**	**0**	**0**	**175,000**	**25,000**	**0**	**0**	**0**	**550,000**

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Prior Year/Close-Out											
ACPS											
ACPS Capital Program	4,509,517	0	0	0		0	0	0	0	0	4,509,517
IT Plan											
Computer Aided Dispatch (CAD) System Replacement	0	0	0	0	0	0	0	0	0	0	0
Electronic Government/Web Page	0	50,000	0	0	0	0	0	0	0	0	50,000
Enterprise Collaboration	0	40,000	0	0	0	0	0	0	0	0	40,000
Enterprise Service Catalog	0	0	0	0	0	0	0	0	0	0	0
GIS Development	0	100,000	0	0	0	0	0	0	0	0	100,000
Information Technology Lump Sum Funding	0	0	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	4,000,000
Phone, Web, Portable Device Payment Portals	0	110,000	0	0	0	0	0	0	0	0	110,000
Recreation & Parks											
Open Space Acquisition and Develop.	0	200,000	0	0	0	0	0	0	0	0	200,000
Prior Year/Close-Out Total	**4,509,517**	**500,000**	**500,000**	**500,000**	**500,000**	**500,000**	**500,000**	**500,000**	**500,000**	**500,000**	**9,009,517**
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
Old Town Pool Renovations	0	0	0	0	0	1,000,000	0	0	0	0	1,000,000
Private Capital Contributions Total	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**	**1,100,000**	**100,000**	**100,000**	**100,000**	**100,000**	**2,000,000**
PY Special Tax District Revenue											
CIP Development & Implementation Staff											
CIP Development & Implementation Staff	176,226	181,513	186,958	192,567	198,344	204,294	210,423	216,736	223,238	229,935	2,020,234
PY Special Tax District Revenue Total	**176,226**	**181,513**	**186,958**	**192,567**	**198,344**	**204,294**	**210,423**	**216,736**	**223,238**	**229,935**	**2,020,234**
Sanitary Sewer Fund											
CIP Development & Implementation Staff											
CIP Development & Implementation Staff	606,072	624,254	642,982	662,271	682,139	702,603	723,681	745,391	767,753	790,786	6,947,932
Community Development											
Development Studies	100,000	0	0	0	0	0	0	0	0	0	100,000
Environmental Restoration	51,520	53,100	54,700	56,300	58,000	59,700	61,500	63,400	65,300	67,200	590,720
Sanitary Sewers											
Combined Sewer Outfall (001 - 004)	0	0	0	0	0	0	0	0	0	0	0
Combined Sewer Separation Projects	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,700,000
Combined Sewer System (CSS) Permit Compliance	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Four Mile Run Sanitary Sewer Repair	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trunk Sewer	0	0	0	0	0	0	0	0	0	0	0
Reconstructions & Extensions of Sanitary Sewers	700,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	4,300,000
Sanitary Sewer Fund Total	**1,757,592**	**1,677,354**	**1,697,682**	**1,718,571**	**1,740,139**	**1,762,303**	**1,785,181**	**1,808,791**	**1,833,053**	**1,857,986**	**17,638,652**
State CSO Capital Share											
Sanitary Sewers											
Combined Sewer Outfall (001 - 004)	12,000,000	8,000,000	10,000,000	19,000,000	19,000,000	7,000,000	2,000,000	0	0	0	77,000,000
State CSO Capital Share Total	**12,000,000**	**8,000,000**	**10,000,000**	**19,000,000**	**19,000,000**	**7,000,000**	**2,000,000**	**0**	**0**	**0**	**77,000,000**

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
State/Federal Grants											
IT Plan											
Emergency 911 Phone System Upgrade	0	0	0	0	0	0	0	0	0	0	0
Stormwater Management											
Lucky Run Stream Restoration	668,720	0	0	0	0	0	0	0	0	0	668,720
Transportation											
Backlick Run Multi-Use Paths	0	0	0	2,210,000	2,101,000						4,311,000
Citywide Trans. Mgmt. Tech. - Broadband Communications Link	0	0	0	0	0	0	0	0	0	0	0
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	152,000	203,000	223,000	1,000,000	0	0	0	0	0	0	1,578,000
DASH Facility and Fleet Expansion	397,000	0	1,366,000	4,531,000	4,841,000	0	0	0	0	0	11,135,000
Eisenhower Avenue Roadway Improvements	0	0	0	0	0	0	0	0	0	0	0
Farrington Connector	0	0	0	0	0	500,000	0	0	0	0	500,000
Holmes Run Greenway	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trail Connector	0	0	0	0	0	0	0	0	0	0	0
King & Beauregard Intersection Improvements		0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	300,706	0	0	0	0	0	0	0	0	0	300,706
Mt. Vernon Trail @ East Abingdon	0	0	0	0	0	0	0	0	0	0	0
Old Cameron Run Trail	1,026,000	1,409,000	1,360,000	0	0	0	0	0	0	0	3,795,000
Safe Routes to Schools	0	0	0	0	0	0	0	0	0	0	0
Seminary / Howard Safety Improvements	0	0	0	0	0	0	0	0	0	0	0
Traffic Adaptive Signal Control	0	0	0	5,266,000	2,410,000	0	0	0	0	0	7,676,000
Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	0	0	0	2,000,000	3,000,000	14,000,000	0	0	0	0	19,000,000
Transit Corridor "C" - West End Transitway	0	0	10,967,000	13,055,000	16,239,000	0	0	0	0	0	40,261,000
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	0	0	0	0	0	0	0	0	0	0	0
Van Dorn/Beauregard Bicycle Facilities	250,000	1,171,000	0	0	0	0	0	0	0	0	1,421,000
State/Federal Grants Total	**2,794,426**	**2,783,000**	**13,916,000**	**28,062,000**	**28,591,000**	**14,500,000**	**0**	**0**	**0**	**0**	**90,646,426**
Stormwater Utility											
CIP Development & Implementation Staff											
CIP Development & Implementation Staff	603,010	621,100	639,733	658,925	678,693	699,054	720,025	741,626	763,875	786,791	6,912,832
Community Development											
Development Studies	100,000	0	0	0	0	0	0	0	0	0	100,000
Environmental Restoration	51,520	53,100	54,700	56,300	58,000	59,700	61,500	63,400	65,300	67,200	590,720
Stormwater Management											
City Facilities Stormwater Best Management Practices (BMPs)	250,000	0	0	0	0	0	0	0	0	0	250,000
Four Mile Run Channel Maintenance	0	0	0	0	600,000	0	0	0	0	0	600,000
Green Infrastructure	0	0	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	1,400,000
Lucky Run Stream Restoration	185,000	0	0	0	0	0	0	0	0	0	185,000
MS4-TMDL Compliance Water Quality Imprv.	250,000	750,000	700,000	750,000	750,000	2,750,000	2,810,000	2,810,000	2,810,000	2,810,000	17,190,000
NPDES / MS4 Permit	155,000	160,000	165,000	170,000	175,000	180,000	185,000	190,000	195,000	195,000	1,770,000
Storm Sewer Capacity Assessment	0	475,000	475,000	0	0	0	0	0	500,000	0	1,450,000
Stormwater Utility Implementation	155,000	0	0	0	0	0	0	0	0	0	155,000
Stream & Channel Maintenance	365,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	2,390,000
Stormwater Utility Total	**2,114,530**	**2,284,200**	**2,434,433**	**2,035,225**	**2,661,693**	**4,088,754**	**4,176,525**	**4,205,026**	**4,734,175**	**4,258,991**	**32,993,552**

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
TBD Dedicated Revenue Source											
Transportation											
WMATA Capital Contributions	0	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	90,000,000
TBD Dedicated Revenue Source Total	**0**	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**	**90,000,000**
TIP											
CIP Development & Implementation Staff											
CIP Development & Implementation Staff	360,435	371,248	382,385	393,857	405,673	417,843	430,378	443,290	456,588	470,286	4,131,983
Community Development											
Environmental Restoration	51,520	53,100	54,700	56,300	58,000	59,700	61,500	63,400	65,300	67,200	590,720
Transportation											
Citywide Trans. Mgmt. Tech. - Transportation Technologies	88,000	0	250,000	0	250,000	0	250,000	0	250,000	250,000	1,338,000
Complete Streets	326,000	0	0	0	0	0	0	0	0	0	326,000
EW & LVD Implementation - High Street Design/Engineering	0	0	0	0	500,000	0	0	0	0	0	500,000
Mt. Vernon Trail @ East Abingdon	0	0	0	0	0	0	0	0	0	0	0
Street Reconstruction & Resurfacing of Major Roads	0	0	0	0	700,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,700,000
WMATA Capital Contributions	424,000	500,000	1,100,000	250,000	0	0	0	0	0	0	2,274,000
TIP Total	**1,249,955**	**924,348**	**1,787,085**	**700,157**	**1,913,673**	**1,477,543**	**1,741,878**	**1,506,690**	**1,771,888**	**1,787,486**	**14,860,703**
TIP (Reprogrammed)											
Transportation											
Citywide Trans. Mgmt. Tech. - Transportation Technologies	162,000	0	0	0	0	0	0	0	0	0	162,000
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	300,000	0	0	0	0	0	0	0	0	0	300,000
TIP (Reprogrammed) Total	**462,000**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**462,000**
Use of CIP Designated Fund Balance											
Reservation of Bond Capacity/Cash Capital for City/School Facilities											
CIP Contingency Funding (City)	0	180,000	0	0	0	0	0	0	0	0	180,000
CIP Contingency Funding (Schools)	0	732,738	4,200,000	2,731,000	0	0	0	0	0	0	7,663,738
CIP Contingency Funding (Undesignated)	0	137,262	0	0	0	0	0	0	0	0	137,262
Use of CIP Designated Fund Balance Total	**0**	**1,050,000**	**4,200,000**	**2,731,000**	**0**	**0**	**0**	**0**	**0**	**0**	**7,981,000**
VDOT State Revenue Sharing											
Transportation											
Street Reconstruction & Resurfacing of Major Roads	0	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	13,500,000
VDOT State Revenue Sharing Total	**0**	**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**	**13,500,000**
Grand Total	**199,571,217**	**214,207,724**	**342,756,664**	**360,053,103**	**346,947,535**	**185,292,025**	**155,986,732**	**144,838,017**	**138,509,692**	**104,000,374**	**2,192,163,083**

Table 4
Approved FY 2019 – FY 2028 Capital Improvement Program
Debt Service Indicators

Table 4 Debt Service Indicators				
	Total Debt Service	Outstanding Debt	General Government Expenditures	Assessed Value of Real Property (Thousands of Dollars) (1)
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	$39,281,053
FY 2019	$72,213,767	$743,031,620	$1,063,437,379	$40,459,485
FY 2020	$88,884,994	$882,193,315	$1,103,989,871	$41,673,269
FY 2021	$105,297,430	$997,209,241	$1,269,232,275	$42,923,467
FY 2022	$121,496,411	$1,183,843,411	$1,314,022,983	$44,211,171
FY 2023	$139,122,725	$1,302,489,874	$1,328,236,511	$45,537,506
FY 2024	$142,632,599	$1,302,165,267	$1,186,749,670	$46,903,632
FY 2025	$145,260,113	$1,279,053,260	$1,187,488,107	$48,310,740
FY 2026	$144,814,505	$1,251,237,481	$1,207,284,433	$49,760,063
FY 2027	$144,777,118	$1,220,410,021	$1,232,829,500	$51,252,865
FY 2028	$144,142,006	$1,152,092,281	$1,231,149,777	$52,790,451

(1) Presented on a calendar year basis. Future growth assumes a 3.0% increase annually.

Table 4 (Continued)
Approved FY 2019 – FY 2028 Capital Improvement Program
Debt Service Indicators

Table 4 Debt Service Indicators Indicators Exclude Exempt Sanitary Sewer Debt & Stormwater Management Debt (1)		
Fiscal Year	Ratio of Debt Service to General Government Expenditures (2)	Outstanding Debt as a Percentage of Assessed Value of Real Property (3)
Ceiling	12.00%	2.50%
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	6.6%	1.7%
FY 2020	7.5%	1.9%
FY 2021	7.4%	2.0%
FY 2022	8.0%	2.2%
FY 2023	8.9%	2.3%
FY 2024	9.7%	2.2%
FY 2025	9.7%	2.1%
FY 2026	9.5%	2.0%
FY 2027	9.3%	1.9%
FY 2028	9.3%	1.7%

(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 2019 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 29, 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.

Table 5. City of Alexandria, VA
Summary of Total General Obligation Debt Service
Debt Outstanding at June 30, 2018

Fiscal Year	Principal	Interest	Total
FY 2019	$45,989,000	$23,516,205	$69,505,205
FY 2020	$45,376,000	$21,339,549	$66,715,549
FY 2021	$46,029,000	$19,072,929	$65,101,929
FY 2022	$42,896,000	$16,994,262	$59,890,262
FY 2023	$43,059,000	$15,032,243	$58,091,243
FY 2024	$39,972,000	$13,114,120	$53,086,120
FY 2025	$39,899,000	$11,440,435	$51,339,435
FY 2026	$37,886,000	$9,828,862	$47,714,862
FY 2027	$34,787,000	$8,333,255	$43,120,255
FY 2028	$34,784,000	$6,836,943	$41,620,943
FY 2029	$34,679,000	$5,449,025	$40,128,025
FY 2030	$31,632,000	$4,293,083	$35,925,083
FY 2031	$27,024,000	$3,352,880	$30,376,880
FY 2032	$22,869,000	$2,548,362	$25,417,362
FY 2033	$19,175,000	$1,913,399	$21,088,399
FY 2034	$12,160,000	$1,363,924	$13,523,924
FY 2035	$12,150,000	$996,609	$13,146,609
FY 2036	$10,270,000	$620,064	$10,890,064
FY 2037	$9,190,000	$313,611	$9,503,611
FY 2038	$5,195,000	$84,580	$5,279,580
TOTAL	$595,021,000	$166,444,342	$761,465,342

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

** Of the FY 2019 debt service, $28.9 million is debt service for Alexandria City Public Schools related general obligation bonds issued by the City.

Table 6. City of Alexandria, VA General Obligation Refunding Bonds of $34.905 million (December 2017) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$0	$0	$0
FY 2020	$0	$0	$0
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
TOTAL	**$34,905,000**	**$10,215,500**	**$45,120,500**

Table 7. City of Alexandria, VA General Obligation Refunding Bonds of $39.090 million (September 2017) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$0	$0	$0
FY 2020	$0	$931,800	$931,800
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
TOTAL	**$39,090,000**	**$10,674,500**	**$49,764,500**

Table 8. City of Alexandria, VA General Obligation Refunding Bonds of $63.060 million (September 2017) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$0	$2,931,200	$2,931,200
FY 2020	$1,365,000	$2,897,075	$4,262,075
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
TOTAL	**$63,060,000**	**$22,922,450**	**$85,982,450**

Table 9. City of Alexandria, VA General Obligation Bond Issue of $4.380 million (August 2017) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$220,000	$129,103	$349,103
FY 2020	$220,000	$123,740	$343,740
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
TOTAL	**$4,380,000**	**$1,379,735**	**$5,759,735**

Table 10. City of Alexandria, VA General Obligation Bond Issue of $94.670 million (August 2017) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$2,000,000	$3,874,250	$5,874,250
FY 2020	$3,000,000	$3,749,250	$6,749,250
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
TOTAL	**$94,670,000**	**$37,053,575**	**$131,723,575**

Table 11. City of Alexandria, VA General Obligation Refunding Bond Issue of $34.168 million (Nov. 2016) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$374,000	$642,027	$1,016,027
FY 2020	$381,000	$634,817	$1,015,817
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
TOTAL	**$33,801,000**	**$6,086,664**	**$39,887,664**

Table 12. City of Alexandria, VA General Obligation Issue of $73.735 million (July 2016) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$2,100,000	$2,785,031	$4,885,031
FY 2020	$2,800,000	$2,662,531	$5,462,531
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
TOTAL	**$72,335,000**	**$24,861,153**	**$97,196,153**

Table 13. City of Alexandria, VA General Obligation Refunding Bond Issue of $10.595 million (July 2015) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$925,000	$198,660	$1,123,660
FY 2020	$1,140,000	$184,275	$1,324,275
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
TOTAL	**$8,650,000**	**$997,593**	**$9,647,593**

Table 14. City of Alexandria, VA General Obligation Bond Issue of $23.215 million (July 2015) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$1,165,000	$838,950	$2,003,950
FY 2020	$1,165,000	$780,700	$1,945,700
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
TOTAL	**$20,885,000**	**$6,921,269**	**$27,806,269**

Table 15. City of Alexandria, VA General Obligation Refunding Bond Issue of $33.995 million (April 2015) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$400,000	$603,663	$1,003,663
FY 2020	$410,000	$596,130	$1,006,130
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
TOTAL	**$32,655,000**	**$4,051,220**	**$36,706,220**

Table 16. City of Alexandria, VA General Obligation Bond Issue of $35.995 million (Nov. 2014) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$1,800,000	$1,121,690	$2,921,690
FY 2020	$1,800,000	$1,085,690	$2,885,690
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
TOTAL	**$30,595,000**	**$9,886,480**	**$40,481,480**

Table 17. City of Alexandria, VA General Obligation Refunding Bond Issue of $18.635 million (March 2014) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$2,915,000	$57,000	$2,972,000
FY 2020	$2,785,000	$27,850	$2,812,850
TOTAL	**$5,700,000**	**$84,850**	**$5,784,850**

Table 18. City of Alexandria, VA General Obligation Bond Issue of $63.800 million (July 2013)* Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$3,305,000	$826,250	$4,131,250
FY 2020	$3,305,000	$661,000	$3,966,000
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
TOTAL	**$16,525,000**	**$2,478,750**	**$19,003,750**

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

Table 19. City of Alexandria, VA General Obligation Refunding Bond Issue of $17.335 million (July 2012) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$0	$330,600	$330,600
FY 2020	$0	$330,600	$330,600
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
TOTAL	**$11,020,000**	**$1,980,300**	**$13,000,300**

Table 20. City of Alexandria, VA General Obligation Bond Issue of $76.820 million (July 2012)* Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$4,000,000	$1,411,925	$5,411,925
FY 2020	$4,000,000	$1,211,925	$5,211,925
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
TOTAL	**$35,900,000**	**$9,979,900**	**$45,879,900**

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

Table 21. City of Alexandria, VA General Obligation Refunding Bond Issue of $63.625 million (April 2012) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$8,595,000	$1,747,375	$10,342,375
FY 2020	$8,615,000	$1,360,600	$9,975,600
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
TOTAL	**$40,455,000**	**$4,905,100**	**$45,360,100**

Table 22. City of Alexandria, VA General Obligation Bond Issue of $39.870 million* (July 2011) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$3,765,000	$522,044	$4,287,044
FY 2020	$3,765,000	$387,916	$4,152,916
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
TOTAL	**$18,815,000**	**$1,572,716**	**$20,387,716**

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

Table 23. City of Alexandria, VA Build America Bond Issue of $55.300 million-B (July 2010)* Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$3,700,000	$2,308,625	$6,008,625
FY 2020	$3,700,000	$2,158,775	$5,858,775
FY 2021	$3,700,000	$1,041,000	$4,741,000
TOTAL	**$11,100,000**	**$5,508,400**	**$16,608,400**

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

Table 24. City of Alexandria, VA Build America Bond Issue of $44.500 million-B (June 2009)* Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$0	$2,380,250	$2,380,250
FY 2020	$0	$1,190,125	$1,190,125
TOTAL	**$0**	**$3,570,375**	**$3,570,375**

*FY 2019 - FY 2030 refinanced through the 2017 C series.

Table 25. City of Alexandria, VA General Obligation Bond Issue of $35.200 million-A (June 2009)* Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$4,100,000	$246,000	$4,346,000
FY 2020	$4,100,000	$82,000	$4,182,000
TOTAL	**$8,200,000**	**$328,000**	**$8,528,000**

Table 26. City of Alexandria, VA General Obligation Bond Issue of $5.000 million- B (July 2008)* Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$250,000	$6,563	$256,563
TOTAL	**$250,000**	**$6,563**	**$256,563**

*FY 2020 - FY 2029 refinanced through the 2015C series.

Table 27. City of Alexandria, VA General Obligation Bond Issue of $58.000 million- A (July 2008)* Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$1,550,000	$31,000	$1,581,000
TOTAL	**$1,550,000**	**$31,000**	**$1,581,000**

*FY 2022 - FY 2029 refinanced as part of the 2015A series. FY 2019 partially refinanced and FY 2020 - FY 2021 refinanced as part of 2017C.

Table 28. City of Alexandria, VA General Obligation Bond Issue of $22.800 million - A (May 2007) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$2,825,000	$424,000	$3,249,000
FY 2020	$2,825,000	$282,750	$3,107,750
FY 2021	$2,830,000	$141,500	$2,971,500
TOTAL	**$8,480,000**	**$848,250**	**$9,328,250**

Table 29. City of Alexandria, VA General Obligation Bond Issue of $34.000 million (January 1999) Debt Outstanding at June 30,2018			
Fiscal Year	**Principal**	**Interest**	**Total**
FY 2019	$2,000,000	$100,000	$2,100,000
TOTAL	**$2,000,000**	**$100,000**	**$2,100,000**

STRATEGIC PLAN

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.

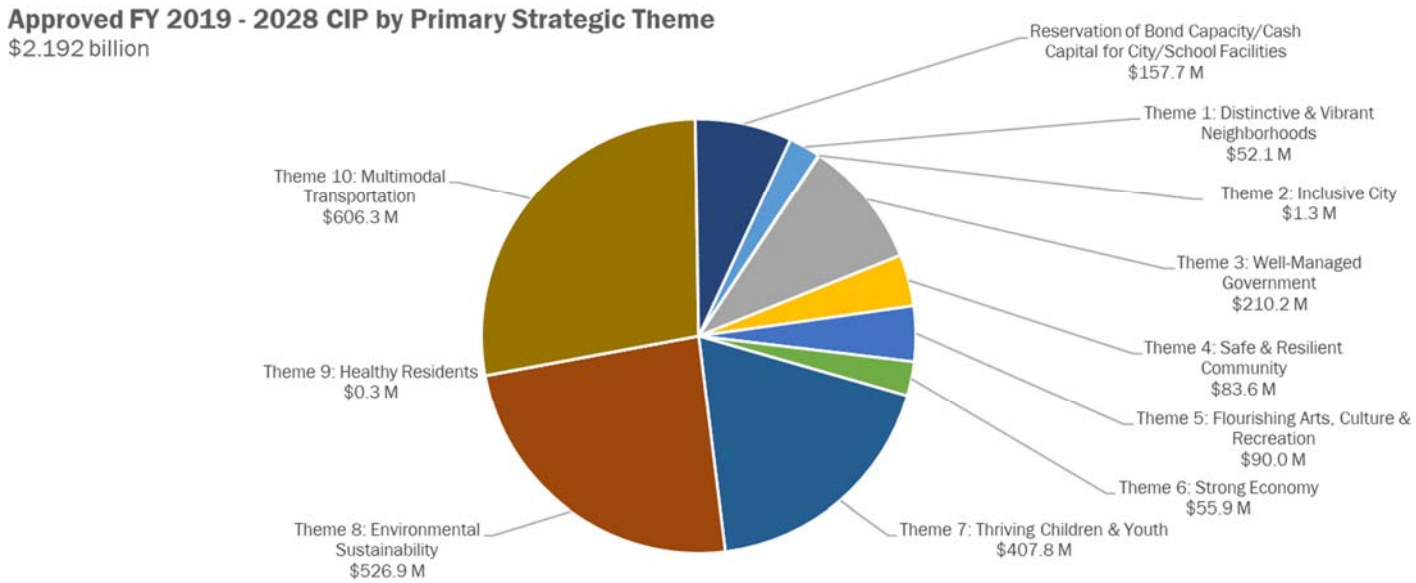
The strategic themes of the City's Strategic Plan, that are associated with capital projects throughout the document are included below:

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

Approved FY 2019 – FY 2028 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 Approved FY 2019 – FY 2028 CIP totals $2.192 billion.



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

Table 1
Approved FY 2019 -FY 2028 Capital Improvement Program
Capital Improvement Program Projects by Primary Strategic Theme

Strategic Theme	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	TOTAL FY 2019 - 2028
Theme 1: Distinctive & Vibrant Neighborhoods	$ 6,050,000	$ 4,857,700	$ 4,921,228	$ 4,985,594	$ 5,050,810	$ 5,116,886	$ 5,183,835	$ 5,251,668	$ 5,320,396	$ 5,390,031	$ 52,128,148
Theme 2: Inclusive City	$ 250,000	$ 250,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 110,000	$ 110,000	$ 1,320,000
Theme 3: Well-Managed Government	$ 19,905,335	$ 20,049,853	$ 27,492,599	$ 22,717,109	$ 40,980,225	$ 18,059,039	$ 14,655,897	$ 17,059,149	$ 14,335,396	$ 14,990,743	$ 210,245,345
Theme 4: Safe & Resilient Community	$ 7,572,000	$ 7,948,000	$ 5,467,500	$ 9,941,000	$ 13,655,000	$ 3,868,000	$ 7,763,500	$ 16,966,000	$ 6,101,000	$ 4,294,500	$ 83,576,500
Theme 5: Flourishing Arts, Culture & Recreation	$ 8,540,726	$ 9,282,713	$ 8,250,500	$ 7,877,500	$ 8,635,500	$ 12,994,500	$ 8,202,500	$ 8,386,500	$ 9,010,500	$ 8,811,500	$ 89,992,439
Theme 6: Strong Economy	$ 5,800,000	$ 2,880,000	$ 5,370,000	$ 11,340,000	$ 7,570,000	$ 1,580,000	$ 12,670,000	$ 8,730,000	$ -	$ -	$ 55,940,000
Theme 7: Thriving Children & Youth	$ 33,239,789	$ 26,220,826	$ 113,682,830	$ 69,005,000	$ 53,425,000	$ 27,649,459	$ 25,325,970	$ 11,951,000	$ 32,155,086	$ 15,101,488	$ 407,756,448
Theme 8: Environmental Sustainability	$ 34,730,280	$ 78,415,300	$ 78,980,100	$ 122,714,900	$ 107,725,000	$ 50,785,100	$ 20,645,500	$ 10,506,200	$ 13,500,900	$ 8,856,600	$ 526,859,880
Theme 9: Healthy Residents	$ 25,000	$ 50,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 275,000
Theme 10: Multimodal Transportation	$ 38,097,961	$ 52,702,158	$ 92,114,737	$ 104,837,000	$ 88,731,000	$ 55,200,000	$ 49,250,000	$ 48,700,000	$ 38,537,000	$ 38,167,000	$ 606,336,856
Reservation of Bond Capacity/Cash Capital for City/School Facilities	$ 45,360,126	$ 11,551,174	$ 6,352,170	$ 6,510,000	$ 21,050,000	$ 9,914,041	$ 12,164,530	$ 17,162,500	$ 19,414,414	$ 8,253,512	$ 157,732,467
TOTAL Approved FY 2019 - FY 2028	**$ 199,571,217**	**$ 214,207,724**	**$ 342,756,664**	**$ 360,053,103**	**$ 346,947,535**	**$ 185,292,025**	**$ 155,986,732**	**$ 144,838,017**	**$ 138,509,692**	**$ 104,000,374**	**$ 2,192,163,083**

Theme 1: Distinctive & Vibrant Neighborhoods

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 1: Distinctive & Vibrant Neighborhoods											
Community Development											
Affordable Housing Funding	4,750,000	4,812,700	4,876,228	4,940,594	5,005,810	5,071,886	5,138,835	5,206,668	5,275,396	5,345,031	50,423,148
Braddock Road Area Plan - Streetscape Improvements	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	405,000
Development Studies	1,300,000	0	0	0	0	0	0	0	0	0	1,300,000
Theme 1: Distinctive & Vibrant Neighborhoods Total	6,050,000	4,857,700	4,921,228	4,985,594	5,050,810	5,116,886	5,183,835	5,251,668	5,320,396	5,390,031	52,128,148

Theme 2: Inclusive City

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 2: Inclusive City											
Recreation & Parks											
Americans with Disabilities Act (ADA) Requirements	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	110,000	110,000	1,320,000
Theme 2: Inclusive City Total	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	110,000	110,000	1,320,000

Theme 3: Well-Managed Government

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 3: Well-Managed Government											
CIP Development & Implementation Staff											
CIP Development & Implementation Staff	4,686,585	4,855,853	5,031,849	5,214,359	5,403,975	5,600,789	5,805,397	6,017,899	6,238,896	6,468,493	55,324,095
IT Plan											
Application Portfolio Management	0	150,000	0	0	0	0	0	0	0	0	150,000
Business Tax System/Reciprocity Contractor System	0	375,000	0	0	0	0	0	0	0	0	375,000
Connectivity Initiatives	525,000	552,000	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	6,577,000
Council Chamber Technology Upgrade	150,000	0	0	0	0	0	0	0	0	0	150,000
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	40,000	40,000	0	80,000	80,000	440,000
Document Imaging	50,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	330,000
Electronic Government/Web Page	50,000	50,000	0	150,000	50,000	50,000	50,000	130,000	175,000	50,000	755,000
Employee Pension Administration System	300,000	50,000	0	0	0	175,000	25,000	0	0	0	550,000
Enterprise Collaboration	0	40,000	40,000	40,000	40,000	20,000	20,000	40,000	40,000	40,000	320,000
Enterprise Data Storage Infrastructure	350,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	375,000	3,025,000
Enterprise Maintenance Mgmt System	40,000	40,000	40,000	40,000	40,000	40,000	20,000	40,000	40,000	40,000	380,000
Enterprise Resource Planning System	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	360,000
Enterprise Service Catalog	0	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	320,000
GIS Development	0	100,000	50,000	200,000	50,000	150,000	40,000	100,000	50,000	115,000	855,000
Information Technology Equipment Replacement	382,000	400,000	405,000	460,000	460,000	450,000	450,000	470,000	500,000	500,000	4,477,000
Information Technology Lump Sum Funding	0	0	3,130,000	3,265,000	3,687,000	3,000,000	3,130,000	3,200,000	3,400,000	3,400,000	26,212,000
IT Enterprise Management System	0	0	0	0	0	0	0	0	0	0	0
LAN Development	15,000	0	0	0	0	0	0	0	0	0	15,000
LAN/WAN Infrastructure	775,000	748,000	821,000	0	0	0	0	0	0	0	2,344,000
Municipal Fiber	5,000,000	0	0	0	0	0	0	0	0	0	5,000,000
Network Security	200,000	280,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	300,000	1,480,000
Network Server Infrastructure	175,000	500,000	0	0	0	0	0	0	0	0	675,000
Personal Property Tax System	460,000	0	0	0	0	60,000	280,000	0	0	0	800,000
Phone, Web, Portable Device Payment Portals	0	200,000	0	0	0	0	160,000	0	0	0	360,000
Project Management Software	0	0	0	0	0	0	0	0	0	0	0
Real Estate Account Receivable System	0	0	0	0	0	0	0	800,000	0	0	800,000
Real Estate Assessment System (CAMA)	15,000	15,000	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	985,000
Remote Access	150,000	150,000	65,000	125,000	0	0	0	0	0	200,000	690,000
Time & Attendance System Upgrade	30,000	30,000	0	0	0	0	0	0	0	0	60,000
Upgrade Work Station Operating Systems	200,000	200,000	0	0	0	0	0	0	0	0	400,000
Voice Over Internet Protocol (VoIP)	50,000	150,000	0	0	0	0	0	0	0	0	200,000

Theme 3: Well-Managed Government (continued)

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 3: Well-Managed Government											
Public Buildings											
2355 Mill Road CFMP	0	1,389,000	193,000	0	0	1,219,000	0	960,000	0	0	3,761,000
Capital Planning & Building Assessment (Condition Assessment)	450,000	300,000	0	100,000	100,000	100,000	0	0	0	0	1,050,000
City Hall Renovation and HVAC Replacement	500,000	500,000	3,925,000	1,000,000	27,350,000	1,500,000	0	0	0	0	34,775,000
City Historic Facilities CFMP	1,415,000	1,900,000	720,000	550,000	110,000	2,330,000	290,000	190,000	400,000	400,000	8,305,000
Courthouse CFMP	2,000,000	2,000,000	2,000,000	2,000,000	0	0	0	0	0	0	8,000,000
Emergency Power Systems	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	0	0	1,615,000
Energy Management Program	225,000	675,000	875,000	775,000	783,000	975,000	760,000	675,000	675,000	675,000	7,093,000
Fleet Building CFMP	0	2,600,000	590,000	1,100,000	360,000	0	0	1,700,000	110,000	110,000	6,570,000
General Services CFMP	746,750	804,000	1,011,750	969,750	928,250	987,250	996,500	956,250	766,500	777,250	8,944,250
Health Department CFMP	0	0	2,250,000	1,840,000	0	0	0	0	0	0	4,090,000
Library CFMP	500,000	0	0	300,000	66,000	87,000	0	0	0	0	953,000
Market Square Plaza and Garage Structural Repairs	0	0	3,500,000	3,000,000	0	0	0	0	0	0	6,500,000
Mental Health Residential Facilities CFMP	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Preventative Maintenance Systems and Staffing Study	350,000	0	0	0	0	0	0	0	0	0	350,000
Roof Replacement Program	0	40,000	410,000	220,000	0	0	1,200,000	210,000	500,000	500,000	3,080,000
Witter/Wheeler - Fuel Island Renovation	0	0	0	0	0	0	0	0	0	0	0
Recreation & Parks											
City Marina Utility Upgrades	0	0	0	0	0	0	0	0	0	0	0
Park Maintenance Facilities	0	0	0	0	0	0	0	0	0	0	0
Transportation											
City Standard Construction Specifications	0	0	0	0	0	0	0	0	0	0	0
Theme 3: Well-Managed Government Total	19,905,335	20,049,853	27,492,599	22,717,109	40,980,225	18,059,039	14,655,897	17,059,149	14,335,396	14,990,743	210,245,345

Theme 4: Safe & Resilient Community

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 4: Safe & Resilient Community											
Community Development											
Citywide Street Lighting	125,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	350,000
Fire Department Vehicles & Apparatus	1,657,000	1,997,000	612,000	3,020,000	1,868,000	500,000	2,268,000	530,000	2,103,000	3,789,000	18,344,000
Gadsby Lighting Fixtures & Poles Replacement	75,000	0	75,000	0	75,000	0	75,000	0	75,000	75,000	450,000
Police Body-Worn Cameras (BWC's)	0	TBD	TBD	0	0	0	0	0	0	0	-
IT Plan											
AJIS Enhancements	660,000	165,000	170,500	176,000	182,000	188,000	194,500	201,000	208,000	215,500	2,360,500
Animal Shelter Server Replacement	0	0	0	0	0	0	0	0	0	0	0
Computer Aided Dispatch (CAD) System Replacement	0	250,000	0	0	0	0	0	0	0	0	250,000
Courtroom Trial Presentation Technology	120,000	100,000	0	0	0	85,000	85,000	0	0	0	390,000
Emergency 911 Phone System Upgrade	0	0	0	0	0	0	0	0	0	0	0
EMS Records Management 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
FOIA System Replacement	0	70,000	50,000	20,000	0	0	0	0	0	0	140,000
Radio System Upgrade	1,756,000	1,565,000	1,200,000	0	0	0	0	0	0	0	4,521,000
Public Buildings											
Courthouse/PSC Security System Upgrade	0	0	0	0	0	0	0	0	3,500,000	0	3,500,000
Expansion of Police Property Evidence Storage Study	0	0	0	0	0	100,000	0	0	0	0	100,000
Fire & Rescue CFMP	487,000	1,482,000	745,000	970,000	90,000	585,000	120,000	1,470,000	150,000	150,000	6,249,000
Fire Station 203 (Cameron Mills)	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Fire Station 205 (Cameron Street)	0	0	250,000	3,150,000	7,875,000	0	0	0	0	0	11,275,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	3,500,000	14,700,000	0	0	18,200,000
New Burn Building	0	0	0	540,000	1,600,000	0	0	0	0	0	2,140,000
Office of the Sheriff CFMP	1,152,000	2,254,000	2,300,000	2,000,000	1,900,000	2,345,000	1,456,000	0	0	0	13,407,000
Pistol Range	100,000	0	0	0	0	0	0	0	0	0	100,000
Vola Lawson Animal Shelter	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Theme 4: Safe & Resilient Community Total	7,572,000	7,948,000	5,467,500	9,941,000	13,655,000	3,868,000	7,763,500	16,966,000	6,101,000	4,294,500	83,576,500

Theme 5: Flourishing Arts, Culture & Recreation

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 5: Flourishing Arts, Culture & Recreation											
Community Development											
Public Art Acquisition	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	3,300,000
Public Art Conservation Program	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	225,000
IT Plan											
OHA Records Management System Replacement	0	0	0	0	0	0	0	0	0	0	0
Recreation Database System	35,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	125,000
Other Regional Contributions											
Northern Virginia Community College (NVCC)	358,794	403,000	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	4,131,794
Northern Virginia Regional Park Authority (NVRPA)	400,432	444,000	448,000	453,000	457,000	462,000	466,000	471,000	476,000	481,000	4,558,432
Public Buildings											
Torpedo Factory Space Programming Study	120,000	250,000	0	0	0	0	0	0	0	0	370,000
Recreation & Parks											
African American Heritage Park Repairs	0	0	0	0	0	0	0	0	0	0	0
Athletic Field Improvements (incl. Synthetic Turf)	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,000,000
Ball Court Renovations	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	165,000	165,000	1,530,000
Braddock Area Plan Park	0	965,213	0	0	0	0	0	0	0	0	965,213
Chinquapin Recreation Center CFMP	920,000	775,000	975,000	775,000	775,000	375,000	775,000	575,000	25,000	25,000	5,995,000
City Marina Maintenance	90,000	75,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	525,000
Citywide Parks Improvements Plan	500,000	0	500,000	0	500,000	500,000	500,000	500,000	500,000	500,000	4,000,000
Community Matching Fund	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
Fort Ward Management Plan Implementation	400,000	0	170,000	0	150,000	0	200,000	0	200,000	0	1,120,000
Four Mile Run Park Wetlands Connector Bridge	0	0	0	0	0	0	0	0	0	0	0
Neighborhood Pool Demolition/Conversion	0	450,000	0	450,000	0	0	0	0	0	0	900,000
Old Town Pool Renovations	0	0	0	0	500,000	5,000,000	0	0	0	0	5,500,000
Open Space Acquisition and Develop.	1,055,000	1,200,000	1,000,000	1,000,000	1,000,000	1,400,000	1,000,000	1,575,000	2,000,000	2,000,000	13,230,000
Park Renovations CFMP	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	458,000	450,000	4,231,000
Patrick Henry Recreation Center	0	0	0	0	0	0	0	0	0	0	0
Patrick Henry Synthetic Turf Field and Outdoor Play Features	0	0	0	0	0	0	0	0	0	0	0
Playground Renovations CFMP	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	730,000	730,000	6,599,000
Potomac Yard Park Basketball Court Lights	0	0	0	0	0	0	0	0	0	0	0
Public Pools	52,000	67,000	52,000	52,000	97,000	97,000	97,000	97,000	97,000	97,000	805,000
Recreation Centers CFMP	743,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	7,268,000
Restroom Renovations	0	0	0	0	0	0	0	0	400,000	400,000	800,000
Water Management & Irrigation	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	140,000	140,000	1,304,000
Waterfront Parks CFMP	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	55,000	55,000	510,000
Windmill Hill Park Improvements	0	0	0	0	0	0	0	0	0	0	0
Theme 5: Flourishing Arts, Culture & Recreation Total	8,540,726	9,282,713	8,250,500	7,877,500	8,635,500	12,994,500	8,202,500	8,386,500	9,010,500	8,811,500	89,992,439

Theme 6: Strong Economy

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 6: Strong Economy											
Community Development											
Waterfront Small Area Plan Implementation (w/ Construction Funding)	5,800,000	2,880,000	5,370,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	0	0	55,940,000
IT Plan											
Permit Processing	0	0	0	0	0	0	0	0	0	0	0
Theme 6: Strong Economy Total	5,800,000	2,880,000	5,370,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	0	0	55,940,000

Theme 7: Thriving Children & Youth

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 7: Thriving Children & Youth											
ACPS											
ACPS Capital Program	33,181,789	26,220,826	113,682,830	68,920,000	53,425,000	27,649,459	25,325,970	11,951,000	32,155,086	15,101,488	407,613,448
IT Plan											
Library Public Access Computers and Print Mgmt System	0	0	0	85,000	0	0	0	0	0	0	85,000
Library Self-Service Stations/Equipment	58,000	0	0	0	0	0	0	0	0	0	58,000
Migration of Integrated Library System to SAAS Platform	0	0	0	0	0	0	0	0	0	0	0
Public Buildings											
Beatley Building Envelope Restoration	0	0	0	0	0	0	0	0	0	0	0
Theme 7: Thriving Children & Youth Total	33,239,789	26,220,826	113,682,830	69,005,000	53,425,000	27,649,459	25,325,970	11,951,000	32,155,086	15,101,488	407,756,448

Theme 8: Environmental Sustainability

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 8: Environmental Sustainability											
Community Development											
Environmental Restoration	304,560	159,300	314,100	168,900	324,000	179,100	334,500	190,200	345,900	201,600	2,522,160
Oronoco Outfall Remediation Project	200,000	0	0	0	0	0	0	0	0	0	200,000
Recreation & Parks											
Proactive Maintenance of the Urban Forest	106,500	106,500	106,500	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,719,500
Tree & Shrub Capital Maintenance	357,500	219,500	219,500	326,000	326,000	326,000	326,000	326,000	360,000	360,000	3,146,500
Sanitary Sewers											
AlexRenew Wastewater Treatment Plant Capacity	0	11,070,000	11,400,000	11,750,000	0	0	0	0	0	0	34,220,000
Citywide Sewershed Infiltration & Inflow	0	3,075,000	2,850,000	4,000,000	0	0	0	0	0	0	9,925,000
Combined Sewer Assessment & Rehabilitation	3,700,000	2,550,000	2,550,000	0	0	0	0	0	0	0	8,800,000
Combined Sewer Outfall (001 - 004)	25,000,000	55,000,000	55,000,000	100,000,000	100,000,000	40,000,000	10,000,000	0	0	0	385,000,000
Combined Sewer Separation Projects	0	300,000	600,000	300,000	300,000	600,000	300,000	300,000	600,000	600,000	3,900,000
Combined Sewer System (CSS) Permit Compliance	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Four Mile Run Sanitary Sewer Repair	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trunk Sewer	0	0	0	0	0	0	0	0	0	0	0
Reconstructions & Extensions of Sanitary Sewers	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	9,000,000
Stormwater Management											
Cameron Station Pond Retrofit	0	0	0	0	0	0	0	0	0	0	0
City Facilities Stormwater Best Management Practices (BMPs)	1,133,000	0	0	0	0	0	0	0	0	0	1,133,000
Four Mile Run Channel Maintenance	0	0	0	0	600,000	0	0	0	0	0	600,000
Green Infrastructure	0	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,150,000
Lake Cook Stormwater Management	0	0	0	0	0	0	0	0	0	0	0
Lucky Run Stream Restoration	1,253,720	0	0	0	0	0	0	0	0	0	1,253,720
MS4-TMDL Compliance Water Quality Imprv.	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	48,500,000
NPDES / MS4 Permit	155,000	160,000	165,000	170,000	175,000	180,000	185,000	190,000	195,000	195,000	1,770,000
Storm Sewer Capacity Assessment	0	475,000	475,000	0	0	0	0	0	500,000	0	1,450,000
Storm Sewer System Spot Improvements	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Stormwater Utility Implementation	155,000	0	0	0	0	0	0	0	0	0	155,000
Stream & Channel Maintenance	365,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,415,000
Theme 8: Environmental Sustainability Total	34,730,280	78,415,300	78,980,100	122,714,900	107,725,000	50,785,100	20,645,500	10,506,200	13,500,900	8,856,600	526,859,880

Theme 9: Healthy Residents

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 9: Healthy Residents											
IT Plan											
HIPAA & Related Health Information Technologies	25,000	50,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	275,000
Theme 9: Healthy Residents Total	25,000	50,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	275,000

Theme 10: Multimodal Transportation

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 10: Multimodal Transportation											
Community Development											
Transportation Signage & Wayfinding System	361,000	432,000	241,000	0	0	0	0	0	0	0	1,034,000
Recreation & Parks											
Pavement in Parks	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	275,000	275,000	2,550,000
Soft Surface Trails	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	132,000	135,000	1,227,000
Transportation											
Backlick Run Multi-Use Paths	1,918,000	0	0	2,210,000	2,101,000	0	0	0	0	0	6,229,000
Bicycle Parking at Transit	0	0	0	0	0	0	0	0	0	0	0
BRAC & Central City Neighborhood Protection Plan	0	0	0	0	0	0	0	0	0	0	0
Bridge Repairs	300,000	700,000	300,000	700,000	300,000	1,700,000	1,300,000	1,400,000	2,300,000	2,500,000	11,500,000
Bus Shelters and Benches	152,400	203,079	823,123	500,000	400,000	0	0	0	0	0	2,078,602
Cameron & Prince Bicycle & Pedestrian Facilities	0	0	0	0	0	0	0	0	0	0	0
Capital Bikeshare	368,000	402,000	350,000	400,000	250,000	0	0	0	0	0	1,770,000
Citywide Parking - Parking Technologies	352,400	203,079	630,123	450,000	250,000	0	0	0	0	0	1,885,602
Citywide Trans. Mgmt. Tech. - Broadband Communications Link	0	0	0	0	0	0	0	0	0	0	0
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	152,000	203,000	223,000	1,000,000	0	0	0	0	0	0	1,578,000
Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Citywide Trans. Mgmt. Tech. - Transportation Technologies	250,000	0	250,000	0	250,000	0	250,000	0	250,000	250,000	1,500,000
Complete Streets	1,545,000	1,130,000	1,130,000	830,000	830,000	830,000	830,000	680,000	830,000	830,000	9,465,000
DASH Bus Fleet Replacements	3,954,000	3,529,000	2,800,000	3,375,000	2,100,000	2,100,000	1,400,000	1,400,000	1,400,000	1,400,000	23,458,000
DASH Bus Fleet Replacements (Fleet Electrification)	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-
DASH Electronic Fare Payment	0	450,000	750,000	0	0	0	0	0	0	0	1,200,000
DASH Facility and Fleet Expansion	397,000	0	1,366,000	4,531,000	4,841,000	0	0	0	0	0	11,135,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	300,000	900,000	350,000	400,000	500,000	550,000	450,000	450,000	450,000	450,000	4,800,000
DASH Technology	200,000	0	0	0	600,000	0	0	0	0	0	800,000
East Glebe & Route 1	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Eisenhower Avenue Roadway Improvements	170,000	0	0	0	0	0	0	0	0	0	170,000
Eisenhower Metrorail Station Improvements	0	0	0	0	0	0	0	0	0	0	0
EW & LVD Implementation - High Street Design/Engineering	0	0	0	0	500,000	0	0	0	0	0	500,000
Farrington Connector	0	0	0	0	0	500,000	0	0	0	0	500,000
Fixed Transportation Equipment	850,000	850,000	850,000	850,000	2,350,000	875,000	875,000	900,000	900,000	900,000	10,200,000
Holmes Run Greenway	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trail Connector	0	0	0	0	0	0	0	0	0	0	0
King & Beauregard Intersection Improvements	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	300,706	0	0	0	0	0	0	0	0	0	300,706
Madison & Montgomery Reconstruction	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Trail @ East Abingdon	0	0	0	0	0	0	0	0	0	0	0
Old Cameron Run Trail	1,026,000	1,409,000	1,360,000	0	0	0	0	0	0	0	3,795,000

Theme 10: Multimodal Transportation (continued)

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Theme 10: Multimodal Transportation											
Potomac Yard Metrorail Station	0	0	0	0	0	0	0	0	0	0	0
Route 1 Transitway Fare Payment Technology	500,000	500,000	454,491	0	0	0	0	0	0	0	1,454,491
Safe Routes to Schools	0	0	0	0	0	0	0	0	0	0	0
Seminary / Howard Safety Improvements	0	0	0	0	0	0	0	0	0	0	0
Seminary Road at Beauregard Street Ellipse	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	0	36,400,000
Shared-Use Paths	0	300,000	0	300,000	0	300,000	0	300,000	0	0	1,200,000
Sidewalk Capital Maintenance	600,000	600,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	327,000	4,827,000
Street Reconstruction & Resurfacing of Major Roads	5,260,000	5,500,000	5,500,000	5,500,000	5,000,000	4,975,000	4,975,000	4,300,000	5,300,000	5,000,000	51,310,000
Traffic Adaptive Signal Control	0	0	0	5,266,000	2,410,000	0	0	0	0	0	7,676,000
Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	0	0	0	2,000,000	3,000,000	14,000,000	TBD	TBD	TBD	0	19,000,000
Transit Corridor "C" - West End Transitway	250,000	250,000	30,967,000	33,055,000	35,979,000	2,600,000	12,100,000	12,500,000	0	0	127,701,000
Transportation Master Plan Update	0	0	500,000	0	0	0	0	0	0	0	500,000
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	300,000	0	0	0	0	0	0	0	0	0	300,000
Van Dorn Metrorail Station Area Imprv.	0	0	0	0	0	0	0	0	0	0	0
Van Dorn/Beauregard Bicycle Facilities	250,000	1,171,000	0	0	0	0	0	0	0	0	1,421,000
WMATA Capital Contributions	16,471,455	30,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	254,471,455
Theme 10: Multimodal Transportation Total	38,097,961	52,702,158	92,114,737	104,837,000	88,731,000	55,200,000	49,250,000	48,700,000	38,537,000	38,167,000	606,336,856

Reservation of Bond Capacity/Cash Capital for City/School Facilities

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Reservation of Bond Capacity/Cash Capital for City/School Facilities											
Reservation of Bond Capacity/Cash Capital for City/School Facilities											
CIP Contingency Funding (City)	0	180,000	525,668	438,397	4,832,948	1,271,250	1,456,875	3,391,242	948,375	0	13,044,755
CIP Contingency Funding (Schools)	0	732,738	5,213,689	5,761,603	4,734,897	1,703,358	2,555,037	751,488	3,754,277	0	25,207,087
CIP Contingency Funding (Undesignated)	126	138,436	362,813	60,000	732,155	626,933	1,840,118	1,557,270	3,249,262	8,003,512	16,570,625
City & School Land Acquisition and DCHS Colocation Investment	40,000,000	10,000,000	0	0	0	0	0	5,000,000	5,000,000	0	60,000,000
High School Capacity (Soft Costs)	5,150,000	0	0	0	0	0	0	0	0	0	5,150,000
Planning / Feasibility Studies - Combined City & Schools	0	500,000	250,000	250,000	100,000	100,000	100,000	250,000	250,000	250,000	2,050,000
Witter/Wheeler Campus (includes ACPS Transporation Facility)	210,000	0	0	0	10,650,000	6,212,500	6,212,500	6,212,500	6,212,500	0	35,710,000
Reservation of Bond Capacity/Cash Capital for City/School Facilities Total	45,360,126	11,551,174	6,352,170	6,510,000	21,050,000	9,914,041	12,164,530	17,162,500	19,414,414	8,253,512	157,732,467
Grand Total	**199,571,217**	**214,207,724**	**342,756,664**	**360,053,103**	**346,947,535**	**185,292,025**	**155,986,732**	**144,838,017**	**138,509,692**	**104,000,374**	**2,192,163,083**

CAPITAL PROJECT DETAILS

Capital Project Details 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. The Approved FY 2019 – FY 2028 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 2018, and then planned funding for FY 2019 – 2028. Each project also provides details on the specific funding sources used to finance the project.

Fixed Transportation Equipment													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	29,272,833	19,072,833	850,000	850,000	850,000	850,000	2,350,000	875,000	875,000	900,000	900,000	900,000	10,200,000
Financing Plan													
Cash Capital	3,464,547	1,084,547	150,000	150,000	150,000	150,000	150,000	175,000	175,000	150,000	565,000	565,000	2,380,000
GO Bonds	9,585,453	1,765,453	700,000	700,000	700,000	700,000	2,200,000	700,000	700,000	750,000	335,000	335,000	7,820,000
Prior City Funding	16,222,833	16,222,833	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	29,272,833	19,072,833	850,000	850,000	850,000	850,000	2,350,000	875,000	875,000	900,000	900,000	900,000	10,200,000
Additional Operating Impact	10,000	0	0	0	2,500	0	0	2,500	0	0	2,500	2,500	10,000

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 additional operating impact associated with project implementation that was not included in the prior year operating budget is provided.

JOINT CITY/SCHOOL FACILITIES INVESTMENT TASK FORCE RECOMMENDATIONS & RESERVED BOND CAPACITY/CASH CAPITAL FUNDING

Joint City/School Facilities Investment Task Force Recommendations & 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 Joint City/School Facilities Investment Task Force (the "Task Force").

The Task Force was charged with the following tasks:

- Develop a long-range joint 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 ten-year 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 have begun to review these recommendations and work on how to best operationalize the Task Force recommendations. A full listing of the Task Force recommendations for capital projects/timing, and the key observations and recommendations provided by the Task Force can be found in the Appendices of this document.

The Approved FY 2019 – FY 2028 CIP broadly reflects the recommendations of the Task Force and has organized the funding and timing of projects under the purview of the Task Force to align with their recommendations. The City projects can be found in the Public Buildings and Recreation & Parks sections of this document.

The School Board Approved FY 2019 – FY 2028 CIP was also largely consistent with the recommendations of the Task Force. The City Council Approved CIP fully funds the School Board Approved FY 2019 – FY 2028 CIP, which will provide sufficient funding to execute the recommendations of the Task Force.

Funding Held in Contingency

The Task Force recommendation included $139.0 million between FY 2019 and FY 2027 for to-be-determined expenditures or projects, including funding to redevelop the Witter/Wheeler campus of City and School facilities, planning and feasibility studies, joint planning efforts, land acquisition, and contingency funding for project cost increases.

The Approvd CIP maintains this funding for FY 2020 – FY 2027, in reserved bond capacity and cash capital accounts and adds funding for FY 2028. As the City and Schools develop each year's capital budget, this funding can then be moved to projects as better project information and business intelligence comes available to inform project scope and costs.

The Approved FY 2019 – FY 2028 CIP includes the following reserved bond capacity and cash capital categories:

- **CIP Funding (City)** – funding ($13.0 million) set aside for planned projects to address potential project scope and cost changes for City facility projects.
- **CIP Funding (Schools)** – funding ($25.2 million) set aside for planned projects to address potential project scope and cost changes for School facility projects.
- **CIP Contingency Funding (Undesignated)** – funding ($16.6 million) set aside for planned projects to address potential project scope and cost changes that has not yet been attributed to City or School projects.
- **High School Capacity (Soft Costs)** – the Task Force recommendations and School Board Approved CIP included $5.2 million for soft costs related to a new high school. This funding will remain in contingency until more definition and a timetable for this spending is available.
- **City & School Land Acquisition and DCHS Colocation Investment** – funding ($40.0 million in FY 2019, $10 million in FY 2020, and $10 million in FY 2026 – FY 2027) set aside for land acquisition opportunities and the to be determined cost to move and buildout a facility to collocate DCHS facilities. 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. Appropriating these funds now allows the City to react quickly to opportunities as they come available.
- **Planning / Feasibility Studies - Combined City & Schools** – funding ($2.1 million) set aside for out-year planning and feasibility studies to better develop capital projects and explore alternative delivery options for a project.
- **Witter/Wheeler Campus (includes ACPS Transportation Facility)** – funding ($35.7 million) set aside to redevelop the Witter/Wheeler Campus of City facilities and a school facility, including a Salt Storage facility, City vehicle washing facility, impound lot, School transportation facility, and other City functions housed in this area. Until a master plan is developed, it would be premature to allocate funding for an individual project.

The table on the following page outlines the various categories of contingency funding included in the Approved FY 2019 – FY 2028 CIP.

Task Force Recommendations & Contingency Funding

Items	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	TOTAL FY 2018 - 2027
CIP Contingency Funding (Schools)	-	732,738	5,213,689	5,761,603	4,734,897	1,703,358	2,555,037	751,488	3,754,277	-	25,207,087
CIP Contingency Funding (City)	-	180,000	525,668	438,397	4,832,948	1,271,250	1,456,875	3,391,242	948,375	-	13,044,755
CIP Contingency Funding (Undesignated)	126	138,436	362,813	60,000	732,155	626,933	1,840,118	1,557,270	3,249,262	8,003,512	16,570,625
High School Capacity (Soft Costs)	5,150,000	-	-	-	-	-	-	-	-	-	5,150,000
Planning & Feasibility Studies (Task Force Rec. for City & Schools)		500,000	250,000	250,000	100,000	100,000	100,000	250,000	250,000	250,000	2,050,000
Witter/Wheeler Campus	210,000	-	-	-	3,940,000	6,212,500	6,212,500	6,212,500	6,212,500	-	29,000,000
Witter/Wheeler Campus - ACPS Transportation Facility	-	-	-	-	6,710,000	-	-	-	-	-	6,710,000
City & School Land Acquisition and DCHS Colocation Investment	40,000,000	10,000,000						5,000,000	5,000,000		60,000,000
TOTAL	**45,360,126**	**11,551,174**	**6,352,170**	**6,510,000**	**21,050,000**	**9,914,041**	**12,164,530**	**17,162,500**	**19,414,414**	**8,253,512**	**157,732,467**

Note: Contingency funding set aside for FY 2019 has been allocated to projects that now have a more detailed cost estimate, like the Gym Addition for West End Elementary.

CIP Development & Implementation Staff

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 2010 – FY 2015 CIP, the City has increased the resources (both City and Non-City) devoted to capital investment by 313.9% from $398.4 million for the six-year CIP in FY 2010 to the $1.65 billion in the first six years of the Approved FY 2019 – FY 2028 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 areas 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 Approved FY 2019 – FY 2028 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.

The table on the next page details the positions now being charged to the CIP. While several positions are charged to specific projects, a central CIP Development & Implementation account will be created for the positions that work directly on implementing the City's capital program, but are not attached to a specific project. Over the next year, staff will consider for how best to organize, attribute, and to account for the staffing costs of implementing the City's capital program.

CIP Development & Implementation Staff

Department	Position	FTEs	Project Charged
Currently Charged to CIP			
General Services	Division Chief - Capital Project Implementation	1.0	General Services CFMP
	Energy Project Specialist	1.0	Energy Management Program
ITS	Municipal Fiber Engineer	1.0	Municipal Fiber
	Wireless Engineer	1.0	LAN/WAN Infrastructure
Planning & Zoning	Senior Planning Technician	1.0	Permit Processing Project
Project Implementation	Inspectors (1)	3.2	Various Projects
Recreation & Parks	Urban Planner II	1.0	Athletic Field Improvements (incl. Synthetic Turf)
	Principal Planner	1.0	Open Space Acquisition and Development
Transporation & Environmental Services	Sustainability Coordinator	1.0	Environmental Restoration
	Principal Planner	1.0	Complete Streets
	Urban Planner III	1.0	Complete Streets
	Division Chief - Enivornmental Quality	1.0	Stormwater Utility
	Subtotal	**14.2**	
Positions Capitalized in Proposed FY 2019 - FY 2028 CIP			
Project Implementation	Entire Department (1)	20.8	CIP Development & Implementation Staff
Finance	Procurement Positions Dedicated to Capital Projects	6.0	CIP Development & Implementation Staff
General Services	CIP Project Manager	1.0	CIP Development & Implementation Staff
	Subtotal	**27.8**	
New Positions Added in Proposed FY 2019 – FY 2028 CIP			
City Manager's Office	Public Private Partnerships (P3) Coordinator (2)	0.5	CIP Development & Implementation Staff
Finance	Additional Procurement Staff for Capital Projects	1.6	CIP Development & Implementation Staff
General Services	CIP Project Managers	2.0	General Services CFMP
ITS	Integrated Justice Program IT Manager	1.0	AJIS Enhancements
Planning & Zoning	Project Development Team (Urban Planner II & III)	2.0	CIP Development & Implementation Staff
	Subtotal	**7.1**	
	TOTAL	**49.1**	

(1) 3.2 Inspector FTE's are currently charged to individual capital projects, through a positive time reporting system
(2) This position will be partially paid out of the City Manager's Office operating bugdet

ALEXANDRIA CITY PUBLIC SCHOOLS (ACPS)

The entire ACPS Capital Improvement Program can be found on-line at:
http://www.acps.k12.va.us/budgets/

Alexandria City Public Schools (ACPS)
Approved FY 2019 – 2028 Capital Improvement Program (CIP)

Overview

The City Council Approved FY 2019 – 2028 Capital Improvement Program (CIP) includes funding over ten years for 100% of Alexandria City Public Schools (ACPS) Board's capital request of $474.7 million, which represents a $101.7 million or 27% increase in City funding over the prior City Adopted CIP for ACPS. The ACPS School Board approved its initial ten-year CIP on January 25, 2018, which totaled $474.7 million for the FY 2019 – FY 2028 time period. This recommended funding amount and timing of approved funding is largely reflective of the recommendations of the Ad-Hoc Joint City/School Facilitates Investment Task Force.

For FY 2019 the CIP reflects funding for 100% of the School Board's $68.3 million request, with $33.2 million approved in direct funding and $35.15 million set aside in reserved bond and cash capacity for FY 2019 (reserving $30.0 million for land acquisition and $5.15 million for new high school planning and design). Both the City Council Approved 10-year CIP and the School Board Approved 10-year CIP largely reflect the recommendations of the Ad Hoc Joint City/Schools Facilities Task Force.

As the City sets budget authority in each year of the ten-year plan, the Approved CIP represents the planned level of capital investments for ACPS facilities. The School Board Approved FY 2019 – 2028 CIP is summarized on the next pages and included for informational purposes.

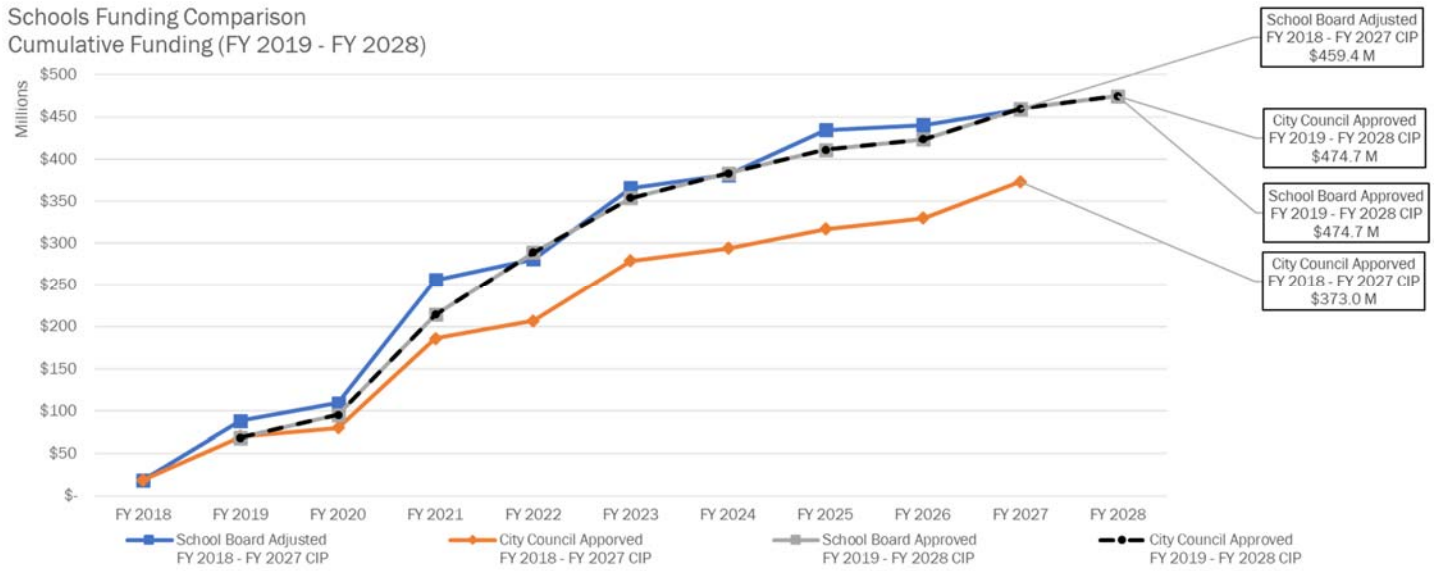
FY 2019 Capital Year Budget

The Approved FY 2019 capital year budget reflects 100% of the School Board's request of $68.3 M, with $33.2 million in direct funding and $35.15 million set aside in contingency.

FY 2019 – 2028 City Council Approved CIP Compared to the School Board Approved CIP

As discussed in the Overview section, the City Council Approved FY 2019 – FY 2028 CIP provides $474.7 million within the overall 10-Year CIP for school capital projects, which is equal in funding to the School Board Approved FY 2019 – FY 2028 CIP.

Capital Improvement Program	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
City Council Approved FY 2019 - FY 2028 CIP	$ 68,331,789	$ 26,953,564	$ 118,896,519	$ 74,681,603	$ 64,869,897
School Board Approved FY 2019 - FY 2028 CIP	$ 68,331,789	$ 26,953,564	$ 118,896,519	$ 74,681,603	$ 64,869,897
Difference: City Approved - School Board Approved	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Capital Improvement Program	**FY 2024**	**FY 2025**	**FY 2026**	**FY 2027**	**FY 2028**
City Council Approved FY 2019 - FY 2028 CIP	$ 29,352,817	$ 27,881,007	$ 12,702,488	$ 35,909,363	$ 15,101,488
School Board Approved FY 2019 - FY 2028 CIP	$ 29,352,817	$ 27,881,007	$ 12,702,488	$ 35,909,363	$ 15,101,488
Difference: City Approved - School Board Approved	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
City Council Approved FY 2019 - FY 2028 CIP	$ 474,680,535				
School Board Approved FY 2019 - FY 2028 CIP	$ 474,680,535				
Difference: City Approved - School Board Approved	**$ -**				



FY 2019 City Council Approved Capital Funding for ACPS	
Direct Funding	$33,181,789
Reserved Bond Capacity/Cash Capital	
High School Capacity (Soft Costs)	$5,150,000
Land Acquisition	$30,000,000
Total Proposed Funding	**$68,331,789**
	(equals School Board request)

Alexandria City Public Schools (ACPS) School Board Approved FY 2019 – 2028 Capital Improvement Program

Site/Project	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Capacity											
Capacity Planning											
Capacity Planning	$ 1,400,000										$ 1,400,000
Capacity Planning Total	**$ 1,400,000**										**$ 1,400,000**
Cora Kelly											
Construction of Renovation & Capacity									$ 28,782,791		$ 28,782,791
Design, Project Management & Other Soft Costs								$ 5,756,558			$ 5,756,558
Cora Kelly Total								**$ 5,756,558**	**$ 28,782,791**		**$ 34,539,349**
Douglas MacArthur											
Construction of Renovation & Capacity					$ 44,585,211						$ 44,585,211
Design, Project Management & Other Soft Costs				$ 8,917,042							$ 8,917,042
Douglas MacArthur Total				**$ 8,917,042**	**$ 44,585,211**						**$ 53,502,253**
George Mason											
Construction of Renovation & Capacity						$ 18,736,935	$ 19,588,614				$ 38,325,549
Design, Project Management & Other Soft Costs					$ 7,494,774						$ 7,494,774
George Mason Total					**$ 7,494,774**	**$ 18,736,935**	**$ 19,588,614**				**$ 45,820,323**
High School Capacity											
Hard costs for a new high school			$ 103,712,469								$ 103,712,469
Soft costs for a new high school	$ 5,150,000	$ 15,387,494									$ 20,537,494
High School Capacity Total	**$ 5,150,000**	**$ 15,387,494**	**$ 103,712,469**								**$ 124,249,963**
New School											
Design, Project Management & Other Soft Costs										$ 9,086,715	$ 9,086,715
New School Total										**$ 9,086,715**	**$ 9,086,715**
Swing Capacity and New School											
Construction of Renovation & Capacity				$ 54,450,000							$ 54,450,000
Design, Project Management & Other Soft Costs			$ 5,775,000								$ 5,775,000
Swing Capacity and New School Total			**$ 5,775,000**	**$ 54,450,000**							**$ 60,225,000**
Property Acquisition											
Funds for property acquisition	$ 30,000,000										$ 30,000,000
Property Acquisition Total	**$ 30,000,000**										**$ 30,000,000**
Swing/Flexible Capacity Space											
Funds for relocatables, swing space or other immediate capaci	$ 11,593,835										$ 11,593,835
Swing/Flexible Capacity Space Total	**$ 11,593,835**										**$ 11,593,835**
Transportation Facility											
Upgrade transportation shop and parking lotexpansion					$ 6,710,000						$ 6,710,000
Transportation Facility Total					**$ 6,710,000**						**$ 6,710,000**
West End School Gym											
Construction of Renovation & Capacity	$ 4,569,080										$ 4,569,080
West End School Gym Total	**$ 4,569,080**										**$ 4,569,080**
Non-Capacity	$ 15,618,874	$ 11,566,070	$ 9,409,050	$ 11,314,561	$ 6,079,912	$ 10,615,882	$ 8,292,393	$ 6,945,930	$ 7,126,572	$ 6,014,773	$ 92,984,017
Grand Total	**$ 68,331,789**	**$ 26,953,564**	**$ 118,896,519**	**$ 74,681,603**	**$ 64,869,897**	**$ 29,352,817**	**$ 27,881,007**	**$ 12,702,488**	**$ 35,909,363**	**$ 15,101,488**	**$ 474,680,535**

COMMUNITY DEVELOPMENT

Community Development
Approved FY 2019 – FY 2028 Capital Improvement Program
Summary of Projects

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Community Development											
Affordable Housing											
Affordable Housing Funding	4,750,000	4,812,700	4,876,228	4,940,594	5,005,810	5,071,886	5,138,835	5,206,668	5,275,396	5,345,031	50,423,148
Affordable Housing Total	4,750,000	4,812,700	4,876,228	4,940,594	5,005,810	5,071,886	5,138,835	5,206,668	5,275,396	5,345,031	50,423,148
City-Wide Amenities											
Gadsby Lighting Fixtures & Poles Replacement	75,000	0	75,000	0	75,000	0	75,000	0	75,000	75,000	450,000
Public Art Acquisition	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	3,300,000
Public Art Conservation Program	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	225,000
Transportation Signage & Wayfinding System	361,000	432,000	241,000	0	0	0	0	0	0	0	1,034,000
City-Wide Amenities Total	788,500	784,500	668,500	352,500	427,500	352,500	427,500	352,500	427,500	427,500	5,009,000
Neighborhood Planning											
Braddock Road Area Plan - Streetscape Improvements	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	405,000
Development Studies	1,300,000	0	0	0	0	0	0	0	0	0	1,300,000
Waterfront Small Area Plan Implementation (w/ Construction Funding)	5,800,000	2,880,000	5,370,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	0	0	55,940,000
Neighborhood Planning Total	7,100,000	2,925,000	5,415,000	11,385,000	7,615,000	1,625,000	12,715,000	8,775,000	45,000	45,000	57,645,000
Public Safety Enhancements											
Citywide Street Lighting	125,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	350,000
Fire Department Vehicles & Apparatus	1,657,000	1,997,000	612,000	3,020,000	1,868,000	500,000	2,268,000	530,000	2,103,000	3,789,000	18,344,000
Police Body-Worn Cameras (BWC's)	0	TBD	TBD	0	0	0	0	0	0	0	-
Public Safety Enhancements Total	1,782,000	2,022,000	637,000	3,045,000	1,893,000	525,000	2,293,000	555,000	2,128,000	3,814,000	18,694,000
Waterways Maint. & Imprv.											
Environmental Restoration	304,560	159,300	314,100	168,900	324,000	179,100	334,500	190,200	345,900	201,600	2,522,160
Oronoco Outfall Remediation Project	200,000	0	0	0	0	0	0	0	0	0	200,000
Waterways Maint. & Imprv. Total	504,560	159,300	314,100	168,900	324,000	179,100	334,500	190,200	345,900	201,600	2,722,160
Grand Total	**14,925,060**	**10,703,500**	**11,910,828**	**19,891,994**	**15,265,310**	**7,753,486**	**20,908,835**	**15,079,368**	**8,221,796**	**9,833,131**	**134,493,308**

AFFORDABLE HOUSING

DOCUMENT SUBSECTION:	Affordable Housing	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Office of Housing	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	Affordable Housing
PRIMARY STRATEGIC THEME:	Theme 1: Distinctive & Vibrant Neighborhoods	ESTIMATE USEFUL LIFE:	Varies

Affordable Housing Funding

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	50,423,148		4,750,000	4,812,700	4,876,228	4,940,594	5,005,810	5,071,886	5,138,835	5,206,668	5,275,396	5,345,031	50,423,148
Financing Plan													
Meals Tax Dedication for Affordable Ho	50,423,148	0	4,750,000	4,812,700	4,876,228	4,940,594	5,005,810	5,071,886	5,138,835	5,206,668	5,275,396	5,345,031	50,423,148
Total Financing Plan	50,423,148	0	4,750,000	4,812,700	4,876,228	4,940,594	5,005,810	5,071,886	5,138,835	5,206,668	5,275,396	5,345,031	50,423,148

CHANGES FROM PRIOR YEAR CIP

This is a new project added to the CIP in FY 2019.

PROJECT DESCRIPTION & JUSTIFICATION

As part of the budget Add/Delete process, 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.

Over the 10-year CIP, this dedicated funding source will provide $50.4 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	PROJECT LOCATION:	Old Town
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Old Town
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	785,000	335,000	75,000	0	75,000	0	75,000	0	75,000	0	75,000	75,000	450,000
Financing Plan													
Cash Capital	600,000	150,000	75,000	0	75,000	0	75,000	0	75,000	0	75,000	75,000	450,000
Prior City Funding	185,000	185,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	785,000	335,000	75,000	0	75,000	0	75,000	0	75,000	0	75,000	75,000	450,000
Additional Operating Impact	120,000	0	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	120,000

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding to refurbish existing fixtures Gadsby fixtures (River to Washington Street) and poles. An LED light fixture pilot project is being developed and will be implemented in FY 2020 with prior year funding.

Beginning in FY2019, $75,000 in biennial funding will be used to refurbish existing fixtures. Poles and fixtures will be refurbished or replaced on an as needed basis, usually as a result of damage.

The City is required to keep an inventory in stock for replacement of existing poles and fixtures, which will be phased out with the total replacement. 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

The operating costs are the costs paid to Dominion for electricity and maintenance. The amount is an estimate based on current lighting costs.

PUBLIC ART ACQUISITION

DOCUMENT SUBSECTION:	City-Wide Amenities	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	4,260,000	960,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	3,300,000
Financing Plan													
Cash Capital	3,000,000	500,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Developer Contribution	960,000	160,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	800,000
Prior City Funding	300,000	300,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	4,260,000	960,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	3,300,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides an annual funding stream for the purchase or commission of art in public spaces. In December 2014, City Council approved the Public Art Implementation Plan and related Public Art Policy that outlines goals, vision, and creative directions for public art in Alexandria. Each year, the Office of the Arts develops an annual work plan. The work plan takes a multi-year view that identifies new projects where the projects are located, and what the proposed budgets will be and indicates which projects are being carried over from previous years. The work plan is prepared by staff in collaboration with a Task Force and the Commission for the Arts. A vibrant public art collection increases visitor spending, creates distinctive, attractive and amenity-rich neighborhoods, and increases resident satisfaction with the appearance of the City. Public art helps to deepen the community's awareness and appreciation of arts and culture by establishing a comprehensive, coherent, and engaging collection of public art that is reflective of Alexandria's diversity and history. Future budget cycles will seek to ensure funding levels are per the approved City Council Public Art Policy.

Upcoming FY 2019 projects include:

- Artist in Residence
- Trails & Paths: Develop artist-designed infrastructure and/or art installations in focused areas of the multi-use path system throughout Alexandria.
- Waterfront Parks: Commission destination public art projects that could potentially take on a life and character of its own and be a signature element of the City's public art program and something that is eagerly anticipated throughout the region.
- Time & Place: Commission artists to do develop installations in OHA sites that use the resources of the city's historical sites and collection to explore various facets of Alexandria's history.
- Burke Library

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, 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	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	372,500	147,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	225,000
Financing Plan													
Cash Capital	277,500	52,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	225,000
Prior City Funding	95,000	95,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	372,500	147,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	225,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides an annual funding stream for the conservation and maintenance of the city's public art collection. This program will provide the vehicle to ensure the long term preservation and viability of the City's art investments. Conservation and maintenance activities include examination, documentation, cleaning, restoration/repair, relocation, and stabilization. In FY 2013, 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 has been developed outlining prioritized conservation/preservation needs, including costs. Prior year project balances and additional funding beginning FY 2019 addresses assets identified in poor condition or unsafe. 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.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013); Public Art Conservation Assessment (2013); Public Art Implementation Plan (approved by City Council 12/2014); Citywide Arts and Culture Plan (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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
King Street Gardens Park Improvements	$10,000
Condition Assessment	$10,000
General cleaning	$2,500
Total Fiscal Year 2019	**$22,500**

Fiscal Year 2020	
Description	Amount
King Street Gardens Park Improvements	$15,000
Mural improvements	$5,000
General cleaning	$2,500
Total Fiscal Year 2020	**$22,500**

Fiscal Year 2021	
Description	Amount
Projects Identified in the 2019 Conditions Assessment	$ 22,500
Total Fiscal Year 2021	**$22,500**

TRANSPORTATION SIGNAGE & WAYFINDING SYSTEM

DOCUMENT SUBSECTION:	City-Wide Amenities	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	3,069,000	2,035,000	361,000	432,000	241,000	0	0	0	0	0	0	0	1,034,000
Financing Plan													
Cash Capital	1,949,000	915,000	361,000	432,000	241,000	0	0	0	0	0	0	0	1,034,000
Prior City Funding	1,120,000	1,120,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	3,069,000	2,035,000	361,000	432,000	241,000	0	0	0	0	0	0	0	1,034,000
Additional Operating Impact	222,262	0	0	0	25,000	25,750	26,523	27,318	28,138	28,982	29,851	30,700	222,262

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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

The $25,000 assumed in FY2021-FY2027 accounts for maintenance costs for vandalism, signs struck by errant vehicles, and replacement of signage that may begin to reach the end of its useful life. By FY2021, the Phase 1 signs will have been in place for 8 years, with an expected life of approximately 10 years. These maintenance funds will be used to replace signage that fades due to UV sun exposure. Approximately 120 pedestrian and vehicular directional signs have been installed to date, with an average of two signs per year being struck by errant vehicles. These maintenance funds will also be used to provide replacement signage in the event that the cost to replace signs damaged by errant vehicles is not recouped through the insurance process, particularly for cases of hit-and-run sign damage.

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. Additional signs to be added in fall 2018 ($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) – Contract for design and fabrication awarded in spring 2018; fabrication and installation in fall 2018
- 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 summer 2018, installation in summer 2019,
- Phase 5 - Destination Identification signs (City attractions/parks/civic-double post), vehicular signs for secondary routes ($361,000, FY 2019)
- Phase 6 - Destination Identification signs (City parks/civic-single post), pedestrian mini kiosks and pointers (Waterfront and non-Old Town), interpretive ground plane medallions ($432,000, FY 2020)
- Phase 7 - Interpretive panels and two-sided kiosks (Waterfront), district markers ($241,000, FY 2021)

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.

BRADDOCK ROAD AREA PLAN - STREETSCAPE IMPROVEMENTS

DOCUMENT SUBSECTION:	Neighborhood Planning	PROJECT LOCATION:	Braddock Metro Area
MANAGING DEPARTMENT:	Department of Planning and Zoning	REPORTING AREA:	Braddock Road Metro
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 1: Distinctive & Vibrant Neighborhoods	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,242,511	837,511	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	405,000
Financing Plan													
Cash Capital	609,000	204,000	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	405,000
Prior City Funding	135,000	135,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	498,511	498,511	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,242,511	837,511	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	405,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 improvements. The first project identified by the Braddock Implementation Advisory Group (BIAG) and the City is the Fayette Street Streetscape between Queen Street and Oronoco Street. This 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 started. The BIAG recommended the streetscape plan in January 2015. City funding will be used in conjunction with private (development) capital contributions to fund this project.

Construction is underway and anticipated to be complete in December 2018. Overall City investment in the Braddock Area Plan Implementation for streetscape improvement is likely to exceed the amount currently programmed. More detailed cost estimates will be developed as specific projects, such as the Fayette Street Project, are 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	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Planning and Zoning; Transporation & Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	ESTIMATE USEFUL LIFE:	Varies

Development Studies

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,025,000	725,000	1,300,000	0	0	0	0	0	0	0	0	0	1,300,000
Financing Plan													
Cash Capital	1,325,000	475,000	850,000	0	0	0	0	0	0	0	0	0	850,000
Developer Contribution	250,000	0	250,000	0	0	0	0	0	0	0	0	0	250,000
Prior Year/Close-Out	250,000	250,000	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fund	100,000	0	100,000	0	0	0	0	0	0	0	0	0	100,000
Stormwater Utility	100,000	0	100,000	0	0	0	0	0	0	0	0	0	100,000
TIP	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,025,000	725,000	1,300,000	0	0	0	0	0	0	0	0	0	1,300,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

This is a new project added to the CIP in FY 2019. Previous development studies have also been merged into this project.

PROJECT DESCRIPTION & JUSTIFICATION

The development studies project is the parent project for various studies undertaken by the City to begin feasability, 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 2019, the Development Studies project includes the following inititives:

- Eisenhower East Developer Contributions Analysis ($50,000)
- Green Building Policy Analysis ($75,000)
- Joint City/School Facility Planning ($250,000)
- Landmark Mall Replanning ($725,000)*
- Old Town North Small Area Plan Implementation ($200,000)

The table on the following page provides additional details about each of these studies.

*A to-be-determined portion of these funds will be developer funded.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Various adopted plans.

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Development Studies (continued)

Studies Planned for FY 2019

Item	FY 2019 Amount	Description
Eisenhower East Developer Contributions	$ 50,000	As part of the Eisenhower East Plan Update in FY 2019, an analysis will be performed to estimate developer contributions (relative to increase in value through increased density, addition of permitted land uses, public investments, and mitigation of impacts) to be incorporated as part of the associated future regulatory approvals. This approach is consistent with other recent Small Area Plans.
Green Building Policy Analysis	$ 75,000	The Department of Planning and Zoning will lead an update to the City's Green Building Policy in FY 2019. Currently, the Policy applies to residential and commercial development projects, requesting a minimum certification level of LEED Certified and LEED Silver (or equivalent) respectively. As part of the update process, Staff will review the effectiveness of the current Policy and focus on sustainable strategies that have the greatest environmental impact. Additionally, staff plans to evaluate ways to improve the sustainability of existing buildings throughout the City.
Old Town North SAP Implementation	$ 200,000	This project consists of components necessary to realize the Old Town North Small Area Plan and vision. In FY 2019, this will include design for the conversion of the rail corridor to a public linear park and other implementation activities.
Joint Facility Planning	$ 250,000	This funding will be used for consultant support of the Joint City Schools Facilities Master Plan, recommended by the Ad Hoc Joint City-Schools Facility Investment Task Force. The purpose of the Joint Facilities Master Plan is to create a strategic vision for facilities development for the City and ACPS that will serve as a roadmap identifying opportunities for collaborative projects between the City and ACPS and enabling smart project design and project planning, with ongoing context and guidance to the CIP.
Landmark - Economic Analysis	$ 50,000	As part of the Landmark Mall re-planning in FY 2019, an analysis will be performed to estimate developer contributions (relative to increase in value through increased density, addition of permitted land uses, public investments, and mitigation of impacts) to be incorporated as part of the associated future regulatory approvals. This approach is consistent with other recent Small Area Plans.
Landmark - Planning Consultant	$ 125,000	The Planning consultant for Landmark Mall will assist planning staff with community engagement and plan framework development for the Landmark Mall site re-planning process anticipated to begin early in FY 2019.
Landmark - Traffic Analysis	$ 300,000	The traffic analysis will update the 2013 traffic study surrounding Landmark Mall to help the City better understand multimodal travel demand, traffic volumes and potential traffic congestion created by land use changes in and around the proposed development. The updated traffic study will include proposed changes in the development's land use, density and potential street framework. The analysis will help the city to better understand potential increases in transportation investments and future changes in maintenance costs.
Landmark - Sewer Analysis (Sanitary)	$ 100,000	The sanitary sewer analysis will consider the updated housing and commercial density for the site in order to identify sanitary sewer generation, flows and potential impacts/mitigation to the City sewer system from the proposed development.
Landmark - Sewer Analysis (Storm)	$ 100,000	The storm sewer analysis will allow the City to develop an updated stormwater management plan for the proposed redevelopment. This will ensure new streets meet new Chesapeake Bay water quality directives and that State environmental regulations are met.
Landmark - Sustainability Analysis	$ 50,000	The environmental analysis will ensure the proposed new development (including buildings, transportation, water, sewer and sanitation) aligns with the City's Environmental Action Plan goals and identify any changes needed to ensure the highest levels of sustainability attainable according to the City's goals.
Total	**$ 1,300,000**	

WATERFRONT SMALL AREA PLAN IMPLEMENTATION

DOCUMENT SUBSECTION:	Neighborhood Planning	PROJECT LOCATION:	Alexandria Waterfront
MANAGING DEPARTMENT:	Department of Project Implementation	REPORTING AREA:	Waterfront
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 6: Strong Economy	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	68,083,000	12,143,000	5,800,000	2,880,000	5,370,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	0	0	55,940,000
Financing Plan													
Cash Capital	1,000,000	1,000,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	62,715,000	6,775,000	5,800,000	2,880,000	5,370,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	0	0	55,940,000
Prior City Funding	3,623,000	3,623,000	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
TIP	245,000	245,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	68,083,000	12,143,000	5,800,000	2,880,000	5,370,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	0	0	55,940,000
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 $550,000 added in FY 2019 for enhancements to the interim King Street Waterfront Park, and improvements related to hosting the proposed tall ship Providence near Waterfront Park.

PROJECT DESCRIPTION & JUSTIFICATION

The approved funding provides for engineering design and construction of projects associated with a phased implementation of the Alexandria Waterfront Small Area Plan (WSAP), approved by City Council in January 2012. The funding approved in FY 2019 supports additional design and construction efforts to facilitate implementation of the flood mitigation system. Funding is anticipated to come in part from incremental taxes generated by new development along the Waterfront as described in the WSAP. Additionally, portions of the project may be completed as in-kind developer contributions.

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	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	21 - 25 Years

Citywide Street Lighting

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,087,878	737,878	125,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	350,000
Financing Plan													
Cash Capital	400,000	50,000	125,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	350,000
Prior City Funding	687,878	687,878	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,087,878	737,878	125,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	350,000
Additional Operating Impact	3,000	0	300	300	300	300	300	300	300	300	300	300	3,000

CHANGES FROM PRIOR YEAR CIP

Funding in the amount of $100,000 added in FY2019 to implement a pilot project to upgrade existing street lights to LED technology.

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 street lights 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 2019 this program will fund a $100,000 pilot project to upgrade existing "cobrahead" street lighting fixtures with LED street light fixtures. Dominion plans to offer new streetlight electricity rates which will make LED conversions more economic.

LED street lights have many advantages over traditional street light technology, including:

1. Greater efficiency when compared to existing mercury vapor and high pressure sodium (HPS) street lights,
2. More uniform light distribution, and
3. Lower life-cycle maintenance costs

The pilot project will replace approximately 750 existing streetlight fixtures with new LED fixtures, which is approximately 11% of the existing cobrahead fixtures Citywide. The pilot area(s) are yet to be selected. Part of this pilot program will also test the light color that various LED lights emit. Based on the ongoing energy savings of the LED fixtures, the payback period for the cobrahead streetlights (amount of time required to recoup the upfront upgrade costs via energy savings) is now approximately 8 years.

If the pilot program is successful, it is anticipated additional funds will be requrested in future fiscal years to fully implement LED technology for all 11,000 City streetlights.

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

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

The costs are based on current lighting operating costs and adding five lights per year.

FIRE DEPARTMENT VEHICLES & APPARATUS

DOCUMENT SUBSECTION:	Public Safety Enhancements	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Fire Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	Varies

Fire Department Vehicles & Apparatus

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	31,720,035	13,376,035	1,657,000	1,997,000	612,000	3,020,000	1,868,000	500,000	2,268,000	530,000	2,103,000	3,789,000	18,344,000
Financing Plan													
GO Bonds	22,423,400	4,079,400	1,657,000	1,997,000	612,000	3,020,000	1,868,000	500,000	2,268,000	530,000	2,103,000	3,789,000	18,344,000
Prior City Funding	9,046,635	9,046,635	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	250,000	250,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	31,720,035	13,376,035	1,657,000	1,997,000	612,000	3,020,000	1,868,000	500,000	2,268,000	530,000	2,103,000	3,789,000	18,344,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

In FY 2012, the City approved a plan to begin replacing the Fire Department's fleet through the use of bond funding. The plan was designed as a 10 year plan and accelerated vehicle purchases through bond funding and then repaying the costs from the vehicle and equipment replacement fund. As a result of this plan, the community is assured of having working apparatus at all times and better coverage throughout the City. As the plan is now coming up on year 6, the Fire Department has recommended several specific vehicle changes, in addition to identifying the replacement schedule to FY 2035. With the arrival of new apparatus from the original plan, the Department now a has better understanding of life expectancy of vehicles while also moving some vehicles up in priority over others in the original plan. Vehicles are based on quotes/bids from vendors in September 2012. Prices are then escalated each year to account for inflation in out years.

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.

POLICE BODY-WORN CAMERAS (BWC'S)

DOCUMENT SUBSECTION:	Public Safety Enhancements	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Police Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	TBD

Police Body-Worn Cameras (BWC's)													
	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	-	0	0	TBD	TBD	0	0	0	0	0	0	0	-
Financing Plan													
Cash Capital	-	0	0	TBD	TBD	0	0	0	0	0	0	0	-
Total Financing Plan	-	0	0	TBD	TBD	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

To-be-determined funding amount pushed to FY 2020, pending on further study of this issue.

PROJECT DESCRIPTION & JUSTIFICATION

The City is currently studying the implementation of Body-Worn Camera (BWC) equipment for Police Officers. BWC's 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 estimated $1 million costs of this new program per year, and given competing public safety staffing and compensation needs, BWC's aren't proposed for funding at this time.

The City is studying this issue to ensure, when BWC's are funded, that the Police Department follows best practices in the use of BWC's, training on the use of BWC's 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 BWC's.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

ENVIRONMENTAL RESTORATION

DOCUMENT SUBSECTION:	Waterways Maint. & Imprv.	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	4,134,677	1,612,517	304,560	159,300	314,100	168,900	324,000	179,100	334,500	190,200	345,900	201,600	2,522,160
Financing Plan													
Cash Capital	970,000	220,000	150,000	0	150,000	0	150,000	0	150,000	0	150,000	0	750,000
Prior City Funding	248,475	248,475	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	1,144,042	1,144,042	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fund	590,720	0	51,520	53,100	54,700	56,300	58,000	59,700	61,500	63,400	65,300	67,200	590,720
Stormwater Utility	590,720	0	51,520	53,100	54,700	56,300	58,000	59,700	61,500	63,400	65,300	67,200	590,720
TIP	590,720	0	51,520	53,100	54,700	56,300	58,000	59,700	61,500	63,400	65,300	67,200	590,720
Total Financing Plan	4,134,677	1,612,517	304,560	159,300	314,100	168,900	324,000	179,100	334,500	190,200	345,900	201,600	2,522,160
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Funding added throughout 10-year plan to continue funding the Sustainability Coordinator out of this project.

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.

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 to meet the City's local, more stringent requirements beyond the state requirements. 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.

The City, state and federal regulations have pollutant load reduction targets that are mandated to be achieved through its Municipal Separate Storm Sewer System (MS4) Permit requirements for the Chesapeake Bay TMDL and other impairements on our local waterways. All eligible water quality improvements achieved through implementation of these projects get credited towards City's pollutant load reduction targets. 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.

Additionally, funding in FY 2019 and beyond this project will be used for 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.

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
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	ESTIMATE USEFUL LIFE:	30+ Years

Oronoco Outfall Remediation Project

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	10,491,505	10,291,505	200,000	0	0	0	0	0	0	0	0	0	200,000
Financing Plan													
Cash Capital	2,024,200	1,824,200	200,000	0	0	0	0	0	0	0	0	0	200,000
GO Bonds	655,800	655,800	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	6,885,000	6,885,000	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
Total Financing Plan	10,491,505	10,291,505	200,000	0	0	0	0	0	0	0	0	0	200,000
Additional Operating Impact	2,002,200	0	154,000	184,000	188,000	195,000	200,000	205,000	210,000	216,000	222,000	228,200	2,002,200

CHANGES FROM PRIOR YEAR CIP

Prior year funding in the amount of $1.03 million added to this project through the Fall 2017 Supplemental Appropriation Ordinance.

PROJECT DESCRIPTION & JUSTIFICATION

The Office of Environmental Quality (a division of Transportation & Environmental Services) continues to actively manage environmental impacts associated with the former 19th 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. The budgeted funds of $0.2 million in FY 2019 will be used to perform work related to part (ii) of the Phase II of the project mentioned above.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eco-City Charter; Environmental Action Plan 2030.

ADDITIONAL OPERATING IMPACTS

The additional operating budget impact is for the routine maintenance of the groundwater treatment system installed in 2013 (Phase I).

RECREATION & PARKS

Recreation & Parks
Approved FY 2019 – FY 2028 Capital Improvement Program
Summary of Projects

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Recreation & Parks											
Aquatics Facilities											
Neighborhood Pool Demolition/Conversion	0	450,000	0	450,000	0	0	0	0	0	0	900,000
Old Town Pool Renovations	0	0	0	0	500,000	5,000,000	0	0	0	0	5,500,000
Public Pools	52,000	67,000	52,000	52,000	97,000	97,000	97,000	97,000	97,000	97,000	805,000
Aquatics Facilities Total	52,000	517,000	52,000	502,000	597,000	5,097,000	97,000	97,000	97,000	97,000	7,205,000
Open Space Acquisition & Development											
Open Space Acquisition and Develop.	1,055,000	1,200,000	1,000,000	1,000,000	1,000,000	1,400,000	1,000,000	1,575,000	2,000,000	2,000,000	13,230,000
Open Space Acquisition & Development Total	1,055,000	1,200,000	1,000,000	1,000,000	1,000,000	1,400,000	1,000,000	1,575,000	2,000,000	2,000,000	13,230,000
Park Maintenance & Improvements											
African American Heritage Park Repairs	0	0	0	0	0	0	0	0	0	0	0
Americans with Disabilities Act (ADA) Requirements	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	110,000	110,000	1,320,000
Athletic Field Improvements (incl. Synthetic Turf)	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,000,000
Ball Court Renovations	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	165,000	165,000	1,530,000
Community Matching Fund	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 Wetlands Connector Bridge	0	0	0	0	0	0	0	0	0	0	0
Park Maintenance Facilities	0	0	0	0	0	0	0	0	0	0	0
Park Renovations CFMP	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	458,000	450,000	4,231,000
Patrick Henry Synthetic Turf Field and Outdoor Play Features	0	0	0	0	0	0	0	0	0	0	0
Pavement in Parks	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	275,000	275,000	2,550,000
Playground Renovations CFMP	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	730,000	730,000	6,599,000
Potomac Yard Park Basketball Court Lights	0	0	0	0	0	0	0	0	0	0	0
Restroom Renovations	0	0	0	0	0	0	0	0	400,000	400,000	800,000
Soft Surface Trails	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	132,000	135,000	1,227,000
Tree & Shrub Capital Maintenance	357,500	219,500	219,500	326,000	326,000	326,000	326,000	326,000	360,000	360,000	3,146,500
Water Management & Irrigation	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	140,000	140,000	1,304,000
Waterfront Parks CFMP	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	55,000	55,000	510,000
Windmill Hill Park Improvements	0	0	0	0	0	0	0	0	0	0	0
Park Maintenance & Improvements Total	4,491,500	4,405,500	4,255,500	4,400,000	4,405,000	4,405,000	4,405,000	4,405,000	5,025,000	5,020,000	45,217,500
Recreation Facility Maintenance											
Chinquapin Recreation Center CFMP	920,000	775,000	975,000	775,000	775,000	375,000	775,000	575,000	25,000	25,000	5,995,000
City Marina Maintenance	90,000	75,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	525,000
Proactive Maintenance of the Urban Forest	106,500	106,500	106,500	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,719,500
Recreation Centers CFMP	743,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	7,268,000
Recreation Facility Maintenance Total	1,859,500	1,681,500	1,851,500	1,745,000	1,745,000	1,345,000	1,745,000	1,545,000	995,000	995,000	15,507,500
Renovated or New Recreation Facilities											
Braddock Area Plan Park	0	965,213	0	0	0	0	0	0	0	0	965,213
City Marina Utility Upgrades	0	0	0	0	0	0	0	0	0	0	0
Citywide Parks Improvements Plan	500,000	0	500,000	0	500,000	500,000	500,000	500,000	500,000	500,000	4,000,000
Fort Ward Management Plan Implementation	400,000	0	170,000	0	150,000	0	200,000	0	200,000	0	1,120,000
Patrick Henry Recreation Center	0	0	0	0	0	0	0	0	0	0	0
Renovated or New Recreation Facilities Total	900,000	965,213	670,000	0	650,000	500,000	700,000	500,000	700,000	500,000	6,085,213
Recreation & Parks Total	**8,358,000**	**8,769,213**	**7,829,000**	**7,647,000**	**8,397,000**	**12,747,000**	**7,947,000**	**8,122,000**	**8,817,000**	**8,612,000**	**87,245,213**

NEIGHBORHOOD POOL DEMOLITION/CONVERSION

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

Neighborhood Pool Demolition/Conversion

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	900,000	0	0	450,000	0	450,000	0	0	0	0	0	0	900,000
Financing Plan													
Cash Capital	900,000	0	0	450,000	0	450,000	0	0	0	0	0	0	900,000
Total Financing Plan	900,000	0	0	450,000	0	450,000	0	0	0	0	0	0	900,000
Additional Operating Impact	121,908	0	0	12,000	12,360	12,731	13,113	13,506	13,911	14,329	14,758	15,200	121,908

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 Ewald Pools which have been closed since 2011. Projects will demolish the existing pools that are closed to the community and convert them into facilities such as Spray Parks 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. Spray parks can 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 demolished. In FY 2022, the Ewald Pool is anticipated to be demolished and the area will be regraded in preparation for future improvements.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

RPCA Neighborhood Parks Improvement Plan (2016); Park and Recreation Needs Assessment (2013 and 2015); Aquatics Facilities Study (2012); Strategic Master Plan for Open Space, Parks and Recreation (2003)

ADDITIONAL OPERATING IMPACTS

There will be minimal operating impacts from the demolition of the two pools. The sites will be re-graded and stabilized and require minimal grounds maintenance.

OLD TOWN POOL RENOVATIONS

DOCUMENT SUBSECTION:	Aquatics Facilities	PROJECT LOCATION:	1609 Cameron Street
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Braddock Road Metro
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	5,500,000	0	0	0	0	0	500,000	5,000,000	0	0	0	0	5,500,000
Financing Plan													
Cash Capital	500,000	0	0	0	0	0	500,000	0	0	0	0	0	500,000
GO Bonds	4,000,000	0	0	0	0	0	0	4,000,000	0	0	0	0	4,000,000
Private Capital Contributions	1,000,000	0	0	0	0	0	0	1,000,000	0	0	0	0	1,000,000
Total Financing Plan	5,500,000	0	0	0	0	0	500,000	5,000,000	0	0	0	0	5,500,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

In the FY 2018 CIP, funding was planned for FY 2022 and FY 2023. Funding has been moved back a year to reflect the recommendation of the Ad Hoc Joint City-Schools Facility Investment Task Force.

PROJECT DESCRIPTION & JUSTIFICATION

In 2012, RPCA 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 renovated aquatic facility that will enhance the user experience at the Old Town Pool. It will include a renovated bath house, and an updated 8 lane 25-yard lap pool. Pending the outcome of the public design process, the project may provide new amenities such as zero depth entry for children's area, and new aquatic play structures. None of these amenities currently exist at any of the city's pools. 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. In the FY 2018 CIP, funding was planned for FY 2022 and FY 2023. Funding has been moved back a year to reflect the recommendation of the Ad Hoc Joint City-Schools Facility Investment Task Force.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2013); Aquatic Facilities Study (2012); Strategic Master Plan for Open Space, Parks and Recreation (2003); Old Town Pool Assessment (2016).

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

PUBLIC POOLS

DOCUMENT SUBSECTION:	Aquatics Facilities	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,982,114	1,177,114	52,000	67,000	52,000	52,000	97,000	97,000	97,000	97,000	97,000	97,000	805,000
Financing Plan													
Cash Capital	934,000	129,000	52,000	67,000	52,000	52,000	97,000	97,000	97,000	97,000	97,000	97,000	805,000
Prior City Funding	1,021,114	1,021,114	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	27,000	27,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,982,114	1,177,114	52,000	67,000	52,000	52,000	97,000	97,000	97,000	97,000	97,000	97,000	805,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project includes annual funding for 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 maintenance requirements and types of facilities needed in the future. In August 2016 an updated study and report was completed for Old Town Pool. A list of projects to be completed in FY 2019 – 2021 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 enhances the level of service currently provided to pool users, while maintaining the value of City pools' capital infrastructure.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011 and 2013); Outdoor Pools Assessment (2002); Open Space Master Plan (2003); Aquatics Facilities Study (2012); Old Town Pool Assessment (2016)

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Public Pools (continued)

Public Pools FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Old Town Pool Replastering and Lane Lines	$45,000
Old Town Pool Underwater Lights	$7,000
Total Fiscal Year 2019	**$52,000**

Fiscal Year 2020	
Description	Amount
Chinquapin Pool Replaster and Lane Lines	$50,000
Lifeguard Stands at Old Town Pool	$17,000
Total Fiscal Year 2020	**$67,000**

Fiscal Year 2021	
Description	Amount
Pool Pump Reconditioning (all sites)	$ 10,000
Old Town Pool Lockers	$ 22,000
Old Town Pool Counter Replacement	$ 8,000
Emergency Repairs	$ 12,000
Total Fiscal Year 2021	**$52,000**

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
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	30+ Years

Open Space Acquisition and Develop.

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	34,139,551	20,909,551	1,055,000	1,200,000	1,000,000	1,000,000	1,000,000	1,400,000	1,000,000	1,575,000	2,000,000	2,000,000	13,230,000
Financing Plan													
Cash Capital	6,194,555	275,000	500,000	300,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	1,619,555	5,919,555
GO Bonds	7,560,445	450,000	555,000	700,000	500,000	500,000	500,000	900,000	500,000	1,075,000	1,500,000	380,445	7,110,445
Prior City Funding	18,884,551	18,884,551	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	1,500,000	1,300,000	0	200,000	0	0	0	0	0	0	0	0	200,000
Total Financing Plan	34,139,551	20,909,551	1,055,000	1,200,000	1,000,000	1,000,000	1,000,000	1,400,000	1,000,000	1,575,000	2,000,000	2,000,000	13,230,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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. 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.

To fund land acquisition, City Council in FY 2004 approved one percent of total annual revenue generated from real property taxes generated in the City. To leverage the annual revenues, the City issued $10.0 million in General Obligation Bonds in FY 2005. In FY 2007, City Council changed the funding structure to a dedicated one cent per $100 on assessed property value. In FY 2010, the City reduced the dedicated real estate tax rate of one cent per $100 to fund only debt service payments for past open space borrowing due to economy/tax base driven funding limitations. All planned funding is now part of unrestricted cash capital and planned General Obligation Bond borrowing.

The City has a goal to maintain 7.3 acres of open space per 1,000 residents. Per the 2017 Open Space Update, the City is able to maintain this ratio with our current land and land promised through small area plans, and demographics until 2025, when the population is expected to increase to a point where additional open space must be acquired or dedicated to maintain the desired standard.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Open Space Master Plan (2003); Open Space Master Plan 2017 Updated Implementation Strategy; Strategic Master Plan for Open Space, Parks and Recreation (2003); Eco-City Environmental Action Plan - Chapter 7, Goal 2 and 3 (2009); Urban Forestry Master Plan (2009)

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

AFRICAN AMERICAN HERITAGE PARK REPAIRS

DOCUMENT SUBSECTION:	Park Maintenance & Improvements	PROJECT LOCATION:	600 Holland Lane, Alexandria, VA 22314
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Eisenhower East
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	11 - 15 Years

African American Heritage Park Repairs

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	240,000	240,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	240,000	240,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

African American Heritage Park was dedicated to the City of Alexandria for public use as part of the adjoining private development by the Carlyle Development Corporation (CDC). The landscaping and grounds maintenance of the subject park is conducted by the Carlyle Community Council (CCC) per the agreement in the original Special Use Permit. The Department of Recreation, Parks, and Cultural Activities conducts internal trail maintenance and snow removal at this park. Park inspections have identified several infrastructure issues that require capital maintenance repairs to keep the park open to the public and address potential safety concerns. Damaged infrastructure includes the gazebo, brick walk, steps and handrails, stone retaining walls, and soft trail surfacing. Transportation and Environmental Services staff has performed interim repairs to brick walk, steps and handrails. However, these repairs are temporary. The scope of the permanent repairs will require analysis of the sub-grade conditions, and repairs to stabilize the sub-grade, correct associated site drainage, and repair brick walks, brick steps, handrails, gazebo structure, soft trails, and stonework. The project will be coordinated with the City's Office of the Arts and Office of Historic Alexandria.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Subsurface Investigation and Geotechnical Engineering Report by GCTI, dated September, 2016.

ADDITIONAL OPERATING IMPACTS

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
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 2: Inclusive City	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,443,813	1,123,813	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	110,000	110,000	1,320,000
Financing Plan													
Cash Capital	2,045,000	725,000	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	110,000	110,000	1,320,000
Prior City Funding	398,813	398,813	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,443,813	1,123,813	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	110,000	110,000	1,320,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding to meet Federal ADA requirements for outdoor recreational spaces. Consistent with Federal regulations, new park facilities, and renovations to 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 in 2014 and the Neighborhood Parks Improvement Plan in 2016. Recommendations for ADA improvements in these plans were used to prioritize FY 2019 - 2021 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)

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

ADA Requirements (continued)

ADA Requirements FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Windmill Hill Park Playground Access	$100,000
Landover Park Access Ramp	$85,000
Neighborhood Park Plan Access Improvements	$65,000
Total Fiscal Year 2019	**$250,000**

Fiscal Year 2020	
Description	Amount
Chambliss Park ADA Ramp	$50,000
Simpson Park Monroe Avenue Access Ramp	$130,000
Neighborhood Park Plan Access Improvements	$70,000
Total Fiscal Year 2020	**$250,000**

Fiscal Year 2021	
Description	Amount
Luckett Field Access	$ 50,000
Pocket Park Plan Access Improvements	$ 50,000
Total Fiscal Year 2021	**$100,000**

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
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	Varies

Athletic Field Improvements (incl. Synthetic Turf)

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	28,744,435	8,744,435	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,000,000
Financing Plan													
Cash Capital	12,466,935	3,266,935	500,000	500,000	500,000	500,000	500,000	500,000	2,000,000	200,000	2,000,000	2,000,000	9,200,000
GO Bonds	16,077,500	5,277,500	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	0	1,800,000	0	0	10,800,000
Private Capital Contributions	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	28,744,435	8,744,435	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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. Beginning in FY 2019, funding will implement the following projects:

- FY 2019 – Field improvements at Four Mile Run Park and Ben Brenman re-carpeting
- FY 2020 – Field improvements at Eugene Simpson Park
- FY 2021 – Field improvements at Eugene Simpson Park

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.

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); Citywide Parks Improvements Plan (2014)

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
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	Varies

Ball Court Renovations

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	3,475,313	1,945,313	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	165,000	165,000	1,530,000
Financing Plan													
Cash Capital	1,710,000	180,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	165,000	165,000	1,530,000
GO Bonds	235,000	235,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	1,495,313	1,495,313	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	35,000	35,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	3,475,313	1,945,313	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	165,000	165,000	1,530,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The City is responsible for the upkeep of 45 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 and 2017); Strategic Master Plan for Open Space, Parks and Recreation (2003); Citywide Parks Improvements Plan (2014); Neighborhood Parks Improvement Plans (2016); Complies with the Eco-City Charter - Energy Conservation Principal (2008)

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Ball Court Renovations (continued)

Ball Court Renovations FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Carlyle Tennis Court Renovation	$100,000
Hooffs Run Tennis and Basketball Courts Repairs	$30,000
Mount Vernon Tennis Court Repairs	$10,000
Emergency Repairs	$10,000
Total Fiscal Year 2019	**$150,000**

Fiscal Year 2020	
Description	Amount
Ramsay Recreation Center Multi-Purpose Courts Renovations	$140,000
Emergency Repairs	$10,000
Total Fiscal Year 2020	**$150,000**

Fiscal Year 2021	
Description	Amount
Boothe Park Basketball Court Renovation	$ 20,000
Boothe Park Tennis Courts Renovation	$ 30,000
Boothe Park Light Replacement	$ 100,000
Total Fiscal Year 2021	**$150,000**

COMMUNITY MATCHING FUND

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

Community Matching Fund

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,300,000	300,000	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	1,150,000	150,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Private Capital Contributions	1,150,000	150,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Total Financing Plan	2,300,000	300,000	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

RPCA has received an increasing number of proposals from organized community groups interested in fundraising private dollars to contribute towards capital projects. Fifty percent of respondents to the 2015 Parks and Recreation Needs Assessment survey showed interest in partnership/volunteer opportunities. This 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 will also provide opportunities for developing positive relationships between the City and the community. Implemented in FY 2017, community groups interested in receiving matching funds will annually compete for grant aid amounts up to $25,000.

The City will evaluate 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.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

PARKnership Policy (2015); Open Space Master Plan (2003); Strategic Master Plan for Open Space, Parks and Recreation (2003); Park and Recreation Needs Assessment (2015)

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

FOUR MILE RUN PARK WETLANDS CONNECTOR BRIDGE

DOCUMENT SUBSECTION:	Park Maintenance & Improvements	PROJECT LOCATION:	3700 Commonwealth Avenue
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Potomac West
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	21 - 25 Years

Four Mile Run Park Wetlands Connector Bridge

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	500,000	500,000	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
Prior City Funding	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	300,000	300,000											0
Total Financing Plan	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 prior CIP. State grant awarded to the City was included in the Spring 2018 Supplemental Appropriation Ordinance.

PROJECT DESCRIPTION & JUSTIFICATION

The Four Mile Run Restoration project includes wetland restoration and replacement of the nature trail with a new pervious surface trail. The trail has only one entrance/exit at the western side of the wetlands, thus leading trail users to a dead end. This connector project will install an 80 foot bridge over the marsh and to the eastern part of the park at the softball field. The connector will improve safety in the park as one could exit the wetlands at either end without being trapped. In spring 2016 the wetlands were opened for the first warm weather season and there is an increase in use at the site. The bridge will ensure the safety of park users and enhance their park experience. The bridge will also provide a more direct route for students and instructors at Cora Kelly Elementary School and Lenard “Chick” Armstrong Recreation Center to access the wetlands for environmental science/education programs. The bridge has been designed and is anticipated to be constructed in 2018. The 2017 Parks and Recreation Needs Assessment shows that walking and biking trails are the greatest recreational need in Alexandria. A bridge connecting the adjacent trails will support this need. In 2017 the City was awarded a grant from Comonwealth of Virginia Department of Conservation and Recreation in the amount of $300,000 to supplement CIP funds.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013 2015 and 2017); 2015 RPCA work plan; Citywide Parks Improvements Plan (2014); Four Mile Run Master Plan (2006); and Design Guidelines (2009); Open Space Master Plan (2003); Eco-City Environmental Action Plan - Chapter 4, Goal 1 (2009)

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

PARK MAINTENANCE FACILITIES

DOCUMENT SUBSECTION:	Park Maintenance & Improvements	PROJECT LOCATION:	4200 Eisenhower Avenue; 3700 Commonwealth Avenue
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Eisenhower West/Potomac West
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	16 - 20 Years

Park Maintenance Facilities

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	230,000	230,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	230,000	230,000	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
Total Financing Plan	230,000	230,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	15,239	0	0	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	15,239

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project will provide modern, ADA and code compliant satellite storage facilities for two of Alexandria's Citywide Parks. The current facilities do not meet the building code requirements for electrical, mechanical, and combustible item storage facilities, and are inadequate for modern equipment and materials storage. The project will design and develop adequate storage facilities for dry goods, equipment, materials, and parts that are necessary to operate the City's Joseph Hensley and Four Mile district park programs. Facilities are planned for two sites, one at the Joseph Hensley Park, 4200 Eisenhower Avenue, and one at Four Mile Run Park, 3700 Commonwealth Avenue. The project fulfills recommendations in the Citywide Parks Improvement Plans for Joseph Hensley Park and Four Mile Run Park and will improve the department's ability to maintain the value of the City's capital infrastructure.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

RPCA's 3-year Business Plan; Eco-City Charter - Energy (2008); Citywide Parks Improvements Plan (2014)

ADDITIONAL OPERATING IMPACTS

The additional operating costs include estimated funding to cover annual cost of utilities.

PARK RENOVATIONS CFMP

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

Park Renovations CFMP

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	8,693,848	4,462,848	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	458,000	450,000	4,231,000
Financing Plan													
Cash Capital	5,187,000	956,000	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	458,000	450,000	4,231,000
Prior City Funding	3,506,848	3,506,848	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	8,693,848	4,462,848	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	458,000	450,000	4,231,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides an annual funding stream to address the capital maintenance needs at the City's park facilities, except the Waterfront Parks, which are covered by a separate CFMP. The list of FY 2019 - 2021 projects was determined through: an evaluation and analysis of the 2011, 2013, 2015, and 2017 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. Beginning in FY 2027, $42,000 is added to the budget annually to account for new City facilities acquired after 2018. Approximately nine percent (9%) 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 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 and 2017); Open Space Master Plan (2003); Strategic Master Plan for Open Space, Parks and Recreation (2003); 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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Forest Park Bridge	$85,000
Landover Park Shade Structures and Seating Wall (Neighborhood Park Plan)	$20,000
Landover Entrance Improvements (Neighborhood Park Plan)	$24,000
Hooffs Run Furniture Replacements (Neighborhood Park Plan)	$10,000
Hume Springs Rain Garden (Neighborhood Park Plan)	$50,000
Hume Springs Light Replacements (Neighborhood Park Plan)	$80,000
Stevenson Park Picnic Area and Water Fountain (Neighborhood Park Plan)	$60,000
Stevenson Park Teen Area (Neighborhood Park Plan)	$46,000
Potomac Yard Park LED Light Fixture Replacement	$4,000
Emergency Repairs	$37,000
Total Fiscal Year 2019	**$416,000**

Fiscal Year 2020	
Description	Amount
Simpson Park Blue Building Demolition (Citywide Park Plan)	$350,000
Chambliss Park Dog Area Improvements (Neighborhood Park Plan)	$26,000
Emergency Repairs	$40,000
Total Fiscal Year 2020	**$416,000**

Fiscal Year 2021	
Description	Amount
Powhatan Park Paths and Plaza (Neighborhood Park Plan)	$ 120,000
Powhatan Park Shade Structure and Game Tables (Neighborhood Park Plan)	$ 60,000
Powhatan Park Water Line and Water Fountain (Neighborhood Park Plan)	$ 30,000
Holmes Run Fitness Equipment	$ 35,000
Neighborhood Parks Wayfinding Sign System	$ 90,000
Citywide Park Furniture Replacements	$ 20,000
Emergency Repairs	$ 61,000
Total Fiscal Year 2021	**$416,000**

PATRICK HENRY SYNTHETIC TURF FIELD AND OUTDOOR PLAY FEATURES

DOCUMENT SUBSECTION:	Park Maintenance & Improvements	PROJECT LOCATION:	4643 Taney Avenue
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Seminary Hill
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	6 - 10 Years

Patrick Henry Synthetic Turf Field and Outdoor Play Features

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,150,000	2,150,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
GO Bonds	2,150,000	2,150,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,150,000	2,150,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	425,000	0	0	25,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	425,000

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 PreK-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 PreK-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.

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

Anticipated operating costs are based on similar facilities currently being maintained in the City with synthetic turf, recreation play areas, fitness stations and landscape features.

PAVEMENT IN PARKS

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

Pavement in Parks

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	3,550,000	1,000,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	275,000	275,000	2,550,000
Financing Plan													
Cash Capital	587,000	87,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
GO Bonds	2,463,000	413,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	225,000	225,000	2,050,000
Prior City Funding	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	3,550,000	1,000,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	275,000	275,000	2,550,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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. T&ES staff has currently identified 18 parks with roads, parking lots or asphalt surfaces that require maintenance. The Citywide Parks Improvements Plan identified improvements to parking lots in each of the six citywide parks. FY 2020 – FY 2021 projects will be verified through a pavement condition assessment conducted in FY 2019.

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 and 2017); Strategic Master Plan for Open Space, Parks and Recreation (2003); Citywide Parks Improvements Plan (2014); Neighborhood Parks Improvement Plan (2016)

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Pavement in Parks (continued)

Pavement in Parks FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Four Mile Run Park Commonwealth Avenue Parking Lot	$250,000
Total Fiscal Year 2019	**$250,000**

Fiscal Year 2020	
Description	Amount
Four Mile Run Park Commonwealth Avenue Parking Lot - Phase 2	$250,000
Total Fiscal Year 2020	**$250,000**

Fiscal Year 2021	
Description	Amount
Four Mile Run Park Commonwealth Avenue Parking Lot - Phase 3	$ 110,000
Eugene Simpson Stadium Park Parking Lot	$ 100,000
Emergency Repairs	$ 40,000
Total Fiscal Year 2021	**$250,000**

PLAYGROUND RENOVATIONS CFMP

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

Playground Renovations CFMP

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	12,273,128	5,674,128	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	730,000	730,000	6,599,000
Financing Plan													
Cash Capital	7,658,000	1,059,000	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	730,000	730,000	6,599,000
GO Bonds	550,000	550,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	3,765,128	3,765,128	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	12,273,128	5,674,128	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	730,000	730,000	6,599,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The annual budget for playground renovations includes funding to ensure that the equipment and surface area of each of the 41 City owned play areas 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 2019 – 2021 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, while maintaining the value of the City's capital infrastructure.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Strategic Master Plan for Open Space, Parks and Recreation (2002); Parks and Recreation Needs Assessment (2011); 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)

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Playground Renovations CFMP (continued)

Playground Renovations CFMP FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Windmill Hill Park Design	$153,900
Safety Surface Replacement	$125,000
Fort Ward Park Design and Construction Supplement	$100,000
Windmill Hill Park Construction	$162,600
Emergency Repairs	$28,500
Total Fiscal Year 2019	**$570,000**

Fiscal Year 2020	
Description	Amount
Windmill Hill Park Construction	$590,900
Emergency Repairs	$31,100
Total Fiscal Year 2020	**$622,000**

Fiscal Year 2021	
Description	Amount
Ewald Park and Chinquapin Loop Design	$ 404,300
Powhatan Park Improvements	$ 186,600
Emergency Repairs	$ 31,100
Total Fiscal Year 2021	**$622,000**

POTOMAC YARD PARK BASKETBALL COURT LIGHTS

DOCUMENT SUBSECTION:	Park Maintenance & Improvements	PROJECT LOCATION:	2501 Potomac Avenue
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Potomac Yard/Potomac Greens
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	21 - 25 Years

Potomac Yard Park Basketball Court Lights

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	150,000	150,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	75,000	75,000	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
Total Financing Plan	150,000	150,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	13,500	0	0	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	13,500

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project will add court lights to the basketball courts constructed in Potomac Yard Park. The courts have become very well used, attracting players throughout the day. In the evenings many players stay to play mostly in the dark with a dim street light nearby. Court lighting will provide increased access to recreation throughout the park's entire operating hours. The new lights will be the same as those on the adjacent tennis courts.

Light It Up!, a group of local volunteer citizens interested in helping finance the cost of procurement and installation of court lights started fundraising in FY 2017. The project will proceed to design contingent upon Light It Up! raising $75,000 in matching funds. Their fundraising strategy includes partnering with a 501c3 to seek grants focused on healthy living, individual donors, and also holding fundraising basketball tournaments and events.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

Electricity for the lights will cost, on average, $1,500 a year. This estimate is based on similar court light installations in the City.

RESTROOM RENOVATIONS

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

Restroom Renovations

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,910,000	1,110,000	0	0	0	0	0	0	0	0	400,000	400,000	800,000
Financing Plan													
Cash Capital	92,000	92,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	1,818,000	1,018,000	0	0	0	0	0	0	0	0	400,000	400,000	800,000
Total Financing Plan	1,910,000	1,110,000	0	0	0	0	0	0	0	0	400,000	400,000	800,000

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The condition of restrooms at parks throughout the City is deteriorating. This project will fund the site work, renovation and installation of site specific restrooms to replace existing restroom facilities. The restrooms will be ADA compliant and will reduce long term maintenance of existing facilities. The new facilities will be energy efficient and include green building materials and/or technologies. This project was identified through community input solicited to identify restroom needs. The renovated facilities will address the initiatives to improve ambient air quality in the City through emissions reductions and expand and enhance the City Green Building Program. Renovations will address the initiative to improve youth recreation and athletic field capacity.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

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
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	Varies

Soft Surface Trails

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,253,987	1,026,987	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	132,000	135,000	1,227,000
Financing Plan													
Cash Capital	1,527,000	300,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	132,000	135,000	1,227,000
Prior City Funding	666,987	666,987	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	60,000	60,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,253,987	1,026,987	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	132,000	135,000	1,227,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 and 2017 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 value of the City's capital infrastructure. The projects listed are planned for FY 2019 – 2021. 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 and 2017); Four Mile Run Master Plan and Design Guidelines (2006); Open Space Master Plan (2003); Strategic Master Plan for Open Space, Parks and Recreation (2003); Eco-City Environmental Action Plan - Chapter 7, Goal 2 and 3 (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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Stevenson Trail	$120,000
Total Fiscal Year 2019	**$120,000**

Fiscal Year 2020	
Description	Amount
Chambliss Park Entrance and Pervious Trail from Scott Street	$40,000
Goat Hill Park Trail	$12,000
Hooffs Run Park Trail	$68,000
Total Fiscal Year 2020	**$120,000**

Fiscal Year 2021	
Description	Amount
Ben Brenman Park Trail Improvements	$ 90,000
Beach Park Walkway	$ 30,000
Total Fiscal Year 2021	**$120,000**

TREE & SHRUB CAPITAL MAINTENANCE

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

Tree & Shrub Capital Maintenance

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	7,226,781	4,080,281	357,500	219,500	219,500	326,000	326,000	326,000	326,000	326,000	360,000	360,000	3,146,500
Financing Plan													
Cash Capital	3,990,000	843,500	357,500	219,500	219,500	326,000	326,000	326,000	326,000	326,000	360,000	360,000	3,146,500
Prior City Funding	3,236,781	3,236,781	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	7,226,781	4,080,281	357,500	219,500	219,500	326,000	326,000	326,000	326,000	326,000	360,000	360,000	3,146,500
Additional Operating Impact	1,290,951	0	24,586	25,324	26,084	127,614	131,443	135,386	139,448	143,631	264,735	272,700	1,290,951

CHANGES FROM PRIOR YEAR CIP

Funding added in FY 2019 for landscaping renovations at Market Square and to install new hanging baskets along King Street.

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. In total, the City maintains over 250 horticultural sites and over 20,000 street 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 total CIP program for planting replacement and new trees, and the associated establishment maintenance and irrigation where necessary, supports an average of 370 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 2019 – 2021, 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, limiting erosion, 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); Strategic Master Plan for Open Space, Parks and Recreation (2003); Open Space Master Plan (2003); Eco-City Alexandria Charter - Land Use and Open Space and Air Quality (2008); Urban Forestry Master Plan (2009); Environmental Action Plan - Chapter 7, Goal 2 and 3 (2009)

ADDITIONAL OPERATING IMPACTS

This project includes increased operating costs associated with the planting of new (additional) trees along streets and on public properties.

Tree & Shrub Capital Maintenance (continued)

Tree & Shrub Capital Maintenance FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Tree Planting	$114,500
Ben Brenman Park Border Tree Planting	$5,000
Monticello Park Forest Restoration - Phase 1 of 2	$20,000
Portal Sites Landscape Renovations	$30,000
Natural Plant Conservation Zone Improvements	$20,000
Market Square Landscape Renovations	$35,000
King Street Hanging Baskets Program	$103,000
Van Dorn Street Median Renovations	$30,000
Total Fiscal Year 2019	**$357,500**

Fiscal Year 2020	
Description	Amount
Tree Planting	$94,500
Holmes Run Park Invasive Species Removal	$47,000
Chambliss Park Barrier Trees	$3,000
Monticello Park Forest Restoration - Phase 2 of 2	$20,000
Portal Sites Landscape Renovations	$20,000
Luckett Field Plantings	$35,000
Total Fiscal Year 2020	**$219,500**

Fiscal Year 2021	
Description	Amount
Tree Planting	$ 111,500
Eugene Simpson Stadium Park Alley Buffer	$ 78,000
Powhatan Park Shrub Plantings	$ 30,000
Total Fiscal Year 2021	**$219,500**

WATER MANAGEMENT & IRRIGATION

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

Water Management & Irrigation

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,711,350	1,407,350	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	140,000	140,000	1,304,000
Financing Plan													
Cash Capital	1,492,000	188,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	140,000	140,000	1,304,000
Prior City Funding	1,151,350	1,151,350	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	68,000	68,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,711,350	1,407,350	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	140,000	140,000	1,304,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 2019 – 2021 based on the 2015 study. 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; Strategic Master Plan for Open Space, Parks and Recreation (2003); Eco-City Charter - Water Resource Conservation (2008); Environmental Action Play - Chapter 4, Goal 3 (2009)

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Water Management & Irrigation (continued)

Water Management & Irrigation FY 2019 – FY 2021 Project List.

Fiscal Year 2019	
Description	Amount
Witter Fields Parking Lot Islands Irrigation	$20,000
Mount Vernon Field Irrigation	$80,000
Maxicom System Update per the 2015 Assessment	$28,000
Total Fiscal Year 2019	**$128,000**

Fiscal Year 2020	
Description	Amount
Maxicom System Update per the 2015 Assessment	$128,000
Total Fiscal Year 2020	**$128,000**

Fiscal Year 2021	
Description	Amount
Maxicom System Update per the 2015 Assessment	$ 78,000
Install and Renovate Irrigation at Portal Locations	$ 50,000
Total Fiscal Year 2021	**$128,000**

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
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	Varies

Waterfront Parks CFMP

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	660,000	150,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	55,000	55,000	510,000
Financing Plan													
Cash Capital	635,000	125,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	55,000	55,000	510,000
Prior Year/Close-Out	25,000	25,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	660,000	150,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	55,000	55,000	510,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 and the 2017 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 value of the City's capital infrastructure.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Parks and Recreation Needs Assessment (2011, 2013, 2015 and 2017); Open Space Master Plan (2003); Strategic Master Plan for Open Space, Parks and Recreation (2003); Dog Parks Master Plan (2000/2011); Waterfront Small Area Plan (2012); Landscape & Flood Mitigation Concept Design (2014)

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Waterfront Parks CFMP (continued)

Waterfront Parks CFMP FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Windmill Hill Park Walkway Repairs - Phase 2	$45,000
Emergency Repairs	$5,000
Total Fiscal Year 2019	**$50,000**

Fiscal Year 2020	
Description	Amount
Founders Park Path Edging	$10,000
Rivergate City Standard Park Sign	$5,000
Rivergate Asphalt Path Repairs	$30,000
Emergency Repairs	$5,000
Total Fiscal Year 2020	**$50,000**

Fiscal Year 2021	
Description	Amount
Montgomery Park City Standard Signage	$ 10,000
Founders Park Drainage Improvements	$ 20,000
Furniture Replacement	$ 15,000
Emergency Repairs	$ 5,000
Total Fiscal Year 2021	**$50,000**

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
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	30+ Years

Windmill Hill Park Improvements

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	6,997,500	6,997,500	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
GO Bonds	5,000,000	5,000,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	1,962,500	1,962,500	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	35,000	35,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	6,997,500	6,997,500	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 prior CIP.

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 in the Windmill Hill Park Master Plan. This will include 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, consistent with 2003 City Council approved Windmill Hill Park Plan, will not be implemented until the Living Shoreline is installed. The replacement of the bulkhead is one of multiple park improvements adopted by City Council in the 2003 Windmill Hill Park Master Plan. The project plan calls for the least amount of disturbance by performing the work as quickly as possible. Community engagement activities and 30% planning, design and engineering occurred in FY 2015; final design began in summer 2015 and construction is underway. Interim pedestrian safety measures consistent with the Union Street Corridor Study will be implemented in coordination with the shoreline project in the City Council adopted 2003 Windmill Hill Master Plan.

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

DOCUMENT SUBSECTION:	Recreation Facility Maintenance	PROJECT LOCATION:	3210 King Street
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Taylor Run
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	7,570,000	1,575,000	920,000	775,000	975,000	775,000	775,000	375,000	775,000	575,000	25,000	25,000	5,995,000
Financing Plan													
Cash Capital	6,570,000	575,000	920,000	775,000	975,000	775,000	775,000	375,000	775,000	575,000	25,000	25,000	5,995,000
GO Bonds	1,000,000	1,000,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	7,570,000	1,575,000	920,000	775,000	975,000	775,000	775,000	375,000	775,000	575,000	25,000	25,000	5,995,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 2019- 2021 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. Maintenance keeps the building functioning properly, decreases costly repairs, and promotes a healthy environment.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Chinquapin Recreation Center CFMP (continued)

Chinquapin Recreation Center CFMP FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Flooring Replacements	$ 55,000
Elevator Upgrade	$ 675,000
Fixed Casework/Sauna Replacement	$ 165,000
Exterior Lighting Upgrade	$ 10,000
Foundation Improvements	$ 15,000
Total Fiscal Year 2019	**$ 920,000**

Fiscal Year 2020	
Description	Amount
Exterior Door Replacements	$ 95,000
Building Control System Upgrade	$ 25,000
Aluminum Window Replacement	$ 65,000
Room Signage Upgrade	$ 50,000
Ceramic Floor Tile - Pool Area Replacement	$ 540,000
Total Fiscal Year 2020	**$ 775,000**

Fiscal Year 2021	
Description	Amount
Sprinkler Replacement	$ 500,000
HVAC Replacement	$ 325,000
Exterior Paint Improvements	$ 8,000
Interior Door Replacement	$ 15,000
Exterior Stairs Improvements	$ 15,000
Ceiling Improvements	$ 7,000
Emergency Repairs	$ 105,000
Total Fiscal Year 2021	**$975,000**

CITY MARINA MAINTENANCE

DOCUMENT SUBSECTION:	Recreation Facility Maintenance	PROJECT LOCATION:	0 Cameron Street
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Old Town
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,670,613	1,145,613	90,000	75,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	525,000
Financing Plan													
Cash Capital	795,000	270,000	90,000	75,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	525,000
GO Bonds	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	525,613	525,613	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,670,613	1,145,613	90,000	75,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	525,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 value of the Marina's capital infrastructure. Funding in FY 2020 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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Fire Suppression Repairs	$5,000
Walkway/Brick Repairs	$7,500
Electrical Repairs	$10,000
Plumbing Repairs	$10,000
Fire Cabinets	$15,000
Fire Alarm Installation	$20,000
Light Pole Replacement	$7,500
Severe Weather Repairs	$15,000
Total Fiscal Year 2019	**$90,000**

Fiscal Year 2020	
Description	Amount
Fire Supression Repairs	$5,000
Power Pedestal Repair/Replacement	$7,500
Walkway/Brick Repairs	$15,000
Electrical Repairs	$12,500
Plumbing Repairs	$12,500
Light Pole Replacement	$7,500
Severe Weather Repairs	$15,000
Total Fiscal Year 2020	**$75,000**

Fiscal Year 2021	
Description	Amount
Fire Suppression Repairs	$ 5,000
Electrical Repairs	$ 10,000
Plumbing Repairs	$ 10,000
Walkway/Brick Repairs	$ 5,000
Severe Weather Repairs	$ 15,000
Total Fiscal Year 2021	**$45,000**

PROACTIVE MAINTENANCE OF THE URBAN FOREST

DOCUMENT SUBSECTION:	Recreation Facility Maintenance	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,826,000	106,500	106,500	106,500	106,500	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,719,500
Financing Plan													
Cash Capital	1,826,000	106,500	106,500	106,500	106,500	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,719,500
Total Financing Plan	1,826,000	106,500	106,500	106,500	106,500	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,719,500
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

Recommendation #39 of the Urban Forestry Master Plan (2009), approved by City Council, calls for the implementation of a 5-year rotational cycle for the renovation and maintenance of all established trees planted along City Streets, in parks, and on school grounds and other public properties. Such 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 renovation 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 2017 Updated Implementation Strategy

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

RECREATION CENTERS CFMP

DOCUMENT SUBSECTION:	Recreation Facility Maintenance	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Recreation, Parks, and Cultural Activities	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	12,489,040	5,221,040	743,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	7,268,000
Financing Plan													
Cash Capital	8,398,000	1,130,000	743,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	7,268,000
GO Bonds	850,000	850,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	3,121,040	3,121,040	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	120,000	120,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	12,489,040	5,221,040	743,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	7,268,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 physical plant. 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 of City 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 2019 - 2020 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. Maintenance keeps the building functioning properly, decreases costly repairs, and promotes a healthy environment.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

RCPA Facilities Assessment conducted in 2013; Strategic Master Plan for Open Space, Parks and Recreation, 2002.

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Recreation Centers CFMP (continued)

Recreation Centers CFMP FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Charles Houston Building Management System	$13,000
Charles Houston Equipment Cover Replacement	$3,000
Charles Houston Gym Floor Relining	$15,000
Colasanto Thermostats Upgrades	$7,000
Colasanto Bathroom Upgrade	$15,000
Cora Kelly Expansion Tank Replacement	$5,000
Cora Kelly Ceiling Tile Replacement and Carpet Replacement	$27,000
Cora Kelly Interior Lighting Upgrade	$65,000
Cora Kelly Main Distribution Panel Upgrade	$50,000
Jerome Buddie Ford Nature Center Interior Light Upgrades	$50,000
Jerome Buddie Ford Nature Center Electrical Room Modification	$5,000
Lee Center Second Floor Kitchen Cabinets	$20,000
Lee Center Second Floor Carpet Replacement	$10,000
Lee Center Replace AC Unit #2	$200,000
Oswald Durant Center AC Unit Recommissioning	$55,000
Oswald Durant Center New Flooring and Baseboards	$30,000
Mount Vernon ADA Site Improvements	$30,000
Mount Vernon Fire Alarm Panel Replacement and Fire Alarm Strobes	$45,000
Patrick Henry Rec Center Fitness Equipment	$18,000
William Ramsay Fire Alarm Upgrade	$20,000
Emergency Repairs	$60,000
Total Fiscal Year 2019	**$743,000**

Fiscal Year 2020	
Description	Amount
Charles Barrett Interior Painting and Flooring Replacement	$70,000
Chinquapin Road Sign Light	$10,000
Lee Center Fire Alarm Panel Replacement	$20,000
Lee Center Backflow Preventer/Expansion Tank	$10,000
Lee Center First Floor Ceiling Renovation	$150,000
Lee Center Second Floor Ceiling Renovation	$150,000
Lee Center Sump Pump/Circulating Pump	$30,000
Oswald Durant Center BMS System Upgrade	$15,000
William Ramsay Ceiling Tile Replacement	$20,000
William Ramsay Interior Lighting Upgrade	$50,000
Emergency Repairs	$200,000
Total Fiscal Year 2020	**$725,000**

Recreation Centers CFMP (continued)

Recreation Centers CFMP FY 2018 – FY 2020 Project List (continued)

Fiscal Year 2021	
Description	Amount
Colasanto Emergency Lighting Upgrades	$4,000
Cora Kelly Fire Alarm Upgrades	$250,000
Cora Kelly Emergency Lighting Upgrades	$16,000
Cora Kelly HVAC Upgrades	$10,000
Cora Kelly Exterior Door Upgrades	$165,000
Durant Center Water Heater Upgrades	$12,000
Durant Center Water Pump Upgrades	$75,000
Durant Center Boiler Upgrades	$115,000
Lee Center Emergency Lighting Upgrades	$32,000
Nannie J Lee Emergency Lighting Upgrades	$15,000
Emergency Repairs	$31,000
Total Fiscal Year 2021	**$725,000**

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
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	Varies

Braddock Area Plan Park

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,790,207	1,824,994	0	965,213	0	0	0	0	0	0	0	0	965,213
Financing Plan													
Developer Contribution	965,213	0	0	965,213	0	0	0	0	0	0	0	0	965,213
Prior City Funding	405,000	405,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	1,419,994	1,419,994	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,790,207	1,824,994	0	965,213	0	0	0	0	0	0	0	0	965,213
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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. Additional funding beyond FY 2019 is from anticipated development contributions only. 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; Braddock East Master Plan; Open Space Master Plan (2003); Strategic Master Plan for Recreation, Parks and Cultural Activities (2003); Eco-City Charter.

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

CITY MARINA UTILITY UPGRADES

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
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	11 - 15 Years

City Marina Utility Upgrades

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,250,000	1,250,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	187,000	187,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	1,063,000	1,063,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,250,000	1,250,000	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The existing Marina electrical service is not consistent with the service needs of contemporary vessels that use the marina today. The existing Marina electrical service was designed based on loads and capacity associated with vessels constructed during the late 1980's. This is not consistent with the service needs of contemporary vessels that use the Marina today. At present, the under performing system exhibits ground fault electrical breakers being thrown due to service / supply / need differences in power and amperage and visitor boats incurring damage to their electrical systems due to insufficient or fluctuating current. This project includes funding to upgrade the full facility; pier/dockside electrical service; and replacement of pier utility pedestals consistent with current use and locations.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City Marina Facility Condition Assessment (2013); Waterfront Small Area Plan (2012); Waterfront Commission Priority (2012)

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
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	11 - 15 Years

Citywide Parks Improvements Plan

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	6,583,411	2,583,411	500,000	0	500,000	0	500,000	500,000	500,000	500,000	500,000	500,000	4,000,000
Financing Plan													
Cash Capital	1,362,000	562,000	100,000	0	100,000	0	100,000	100,000	100,000	100,000	100,000	100,000	800,000
GO Bonds	4,816,000	1,616,000	400,000	0	400,000	0	400,000	400,000	400,000	400,000	400,000	400,000	3,200,000
Prior Year/Close-Out	225,000	225,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	180,411	180,411	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	6,583,411	2,583,411	500,000	0	500,000	0	500,000	500,000	500,000	500,000	500,000	500,000	4,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 2019 will upgrade Joseph Hensley Park. The project will coincide with other planned improvements at Joseph Hensley Park to minimize the disruption of services. Funding in FY 2019 will also address design development in Holmes Run Park. Additional funding will be needed after FY 2027 to complete the Citywide Parks Improvement Plan recommendations. Future improvements, identified as priorities in the plan, include:

- 2021 - Holmes Run Park: Install a pervious trail and mile markers along the south side of Holmes Run Park. Simpson Park: Install water quality Best Management Practice features.
- 2023 – Chinquapin Park: Design and implement a quarter mile walking loop.
- 2024 - Holmes Run Park: Improve Beatley Bridge, improve the picnic grounds, install a trail at Forest Avenue, and improve the community gardens.
- 2025 – Holmes Run Park: Install new bridges and connections.
- 2026 – Holmes Run Park: Install new bridges and connections.
- 2027 – Holmes Run Park: Design of new ADA Trail on the south side of the park.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

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

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

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
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	Varies

Fort Ward Management Plan Implementation

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,595,000	475,000	400,000	0	170,000	0	150,000	0	200,000	0	200,000	0	1,120,000
Financing Plan													
Cash Capital	1,595,000	475,000	400,000	0	170,000	0	150,000	0	200,000	0	200,000	0	1,120,000
Total Financing Plan	1,595,000	475,000	400,000	0	170,000	0	150,000	0	200,000	0	200,000	0	1,120,000
Additional Operating Impact	29,560	0	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,167	3,262	3,400	29,560

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 planned 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 2019 Funding:

- Phase I soft interpretive trail installation ($150,000)
- Mark and develop eastern park entrance from North Van Dorn ($50,000)
- Additional cost (beyond playground account) for relocation of the playground to ADA compliant location ($200,000)

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)

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

2002 Strategic Master Plan for Open Space, Parks and Recreation; 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

Additional operating costs are associated with the implementation of the approved Plan, such as, the aeration and seeding of the grounds to improve drainage and soil conditions, enhanced tree maintenance program and maintenance of the new/expanded pathway.

PATRICK HENRY RECREATION CENTER

DOCUMENT SUBSECTION:	Renovated or New Recreation Facilities	PROJECT LOCATION:	4643 Taney Ave.
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Seminary Hill
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	30+ Years

Patrick Henry Recreation Center

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	7,778,000	7,778,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	1,078,000	1,078,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	6,700,000	6,700,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	7,778,000	7,778,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	5,548,518	0	484,000	498,520	513,476	528,880	544,746	561,089	577,921	595,259	613,117	631,510	5,548,518

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

Recreation Centers support a meaningful quality of life for City residents, and provide an environment that can reduce the number of youth engaging in risky behavior. This project will demolish the existing Patrick Henry Recreation Center and replace it with a new neighborhood recreation center addressing the needs of the immediate surrounding community. City Council approved the project development special use permit on December 17, 2016.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Patrick Henry Recreation Center Feasibility Study 2014/2015; Development Special Use Permit (DSUP) 2016-0009, 2016.

ADDITIONAL OPERATING IMPACTS

The existing operating budget will sustain the current recreation center through FY 2018 at $299,570. Beginning in FY 2019, it is estimated that an additional $484,000 annually, totaling approximately $783,000 is needed to operate the new Patrick Henry Recreation center.

PUBLIC BUILDINGS

Public Buildings
Approved FY 2019 – FY 2028 Capital Improvement Program
Summary of Projects

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Public Buildings											
General Government Facilities											
2355 Mill Road CFMP	0	1,389,000	193,000	0	0	1,219,000	0	960,000	0	0	3,761,000
Capital Planning & Building Assessment (Condition Assessment)	450,000	300,000	0	100,000	100,000	100,000	0	0	0	0	1,050,000
City Hall Renovation and HVAC Replacement	500,000	500,000	3,925,000	1,000,000	27,350,000	1,500,000	0	0	0	0	34,775,000
Emergency Power Systems	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	0	0	1,615,000
Energy Management Program	225,000	675,000	875,000	775,000	783,000	975,000	760,000	675,000	675,000	675,000	7,093,000
Fleet Building CFMP	0	2,600,000	590,000	1,100,000	360,000	0	0	1,700,000	110,000	110,000	6,570,000
General Services CFMP	746,750	804,000	1,011,750	969,750	928,250	987,250	996,500	956,250	766,500	777,250	8,944,250
Market Square Plaza and Garage Structural Repairs	0	0	3,500,000	3,000,000	0	0	0	0	0	0	6,500,000
Preventative Maintenance Systems and Staffing Study	350,000	0	0	0	0	0	0	0	0	0	350,000
Roof Replacement Program	0	40,000	410,000	220,000	0	0	1,200,000	210,000	500,000	500,000	3,080,000
Witter/Wheeler - Fuel Island Renovation	0	0	0	0	0	0	0	0	0	0	0
General Government Facilities Total	2,271,750	6,709,000	10,905,750	7,304,750	29,814,250	4,806,250	3,061,500	4,751,250	2,051,500	2,062,250	73,738,250
Library Facilities											
Beatley Building Envelope Restoration	0	0	0	0	0	0	0	0	0	0	0
Library CFMP	500,000	0	0	300,000	66,000	87,000	0	0	0	0	953,000
Library Facilities Total	500,000	0	0	300,000	66,000	87,000	0	0	0	0	953,000
Preservation of Historic Facilities											
City Historic Facilities CFMP	1,415,000	1,900,000	720,000	550,000	110,000	2,330,000	290,000	190,000	400,000	400,000	8,305,000
Torpedo Factory Space Programming Study	120,000	250,000	0	0	0	0	0	0	0	0	370,000
Preservation of Historic Facilities Total	1,535,000	2,150,000	720,000	550,000	110,000	2,330,000	290,000	190,000	400,000	400,000	8,675,000
Public Health & Welfare Facilities											
Health Department CFMP	0	0	2,250,000	1,840,000	0	0	0	0	0	0	4,090,000
Mental Health Residential Facilities CFMP	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Public Health & Welfare Facilities Total	75,000	75,000	2,325,000	1,915,000	75,000	75,000	75,000	75,000	75,000	75,000	4,840,000
Public Safety Facilities											
Courthouse CFMP	2,000,000	2,000,000	2,000,000	2,000,000	0	0	0	0	0	0	8,000,000
Courthouse/PSC Security System Upgrade	0	0	0	0	0	0	0	0	3,500,000	0	3,500,000
Expansion of Police Property Evidence Storage Study	0	0	0	0	0	100,000	0	0	0	0	100,000
Fire & Rescue CFMP	487,000	1,482,000	745,000	970,000	90,000	585,000	120,000	1,470,000	150,000	150,000	6,249,000
Fire Station 203 (Cameron Mills)	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Fire Station 205 (Cameron Street)	0	0	250,000	3,150,000	7,875,000	0	0	0	0	0	11,275,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	3,500,000	14,700,000	0	0	18,200,000
New Burn Building	0	0	0	540,000	1,600,000	0	0	0	0	0	2,140,000
Office of the Sheriff CFMP	1,152,000	2,254,000	2,300,000	2,000,000	1,900,000	2,345,000	1,456,000	0	0	0	13,407,000
Pistol Range	100,000	0	0	0	0	0	0	0	0	0	100,000
Vola Lawson Animal Shelter	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Public Safety Facilities Total	5,179,000	5,776,000	5,335,000	8,700,000	11,505,000	3,070,000	5,116,000	16,210,000	3,690,000	190,000	64,771,000
Public Buildings Total	**9,560,750**	**14,710,000**	**19,285,750**	**18,769,750**	**41,570,250**	**10,368,250**	**8,542,500**	**21,226,250**	**6,216,500**	**2,727,250**	**152,977,250**

2355 MILL ROAD CFMP

DOCUMENT SUBSECTION:	General Government Facilities	PROJECT LOCATION:	2355 Mill Road
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Eisenhower East
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	Varies

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	4,101,000	340,000	0	1,389,000	193,000	0	0	1,219,000	0	960,000	0	0	3,761,000
Financing Plan													
Cash Capital	4,101,000	340,000	0	1,389,000	193,000	0	0	1,219,000	0	960,000	0	0	3,761,000
Total Financing Plan	4,101,000	340,000	0	1,389,000	193,000	0	0	1,219,000	0	960,000	0	0	3,761,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The 2355 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 City's physical plant. 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. A prioritized list of projects planned for FY 2019 – FY 2021 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:

- 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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
No projects currently planned for FY 2019	$ -
Total Fiscal Year 2019	**$0**

Fiscal Year 2020	
Description	Amount
Flooring Replacements	$ 348,000
Kitchen Upgrades	$ 300,000
Interior Upgrades	$ 305,000
Exterior Door Upgrades	$ 335,000
Fire Extinguisher Replacement	$ 25,000
Unexpected Capital Maintenance	$ 76,000
Total Fiscal Year 2020	**$1,389,000**

Fiscal Year 2021	
Description	Amount
HVAC Upgrades	$ 50,000
Water Cooler Upgrades	$ 28,000
Chain Link Fence Replacement	$ 54,000
Paging System Upgrade	$ 18,000
Unexpected Capital Maintenance	$ 43,000
Total Fiscal Year 2021	**$193,000**

CAPITAL PLANNING & FACILITY CONDITION ASSESSMENTS

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

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,686,000	636,000	450,000	300,000	0	100,000	100,000	100,000	0	0	0	0	1,050,000
Financing Plan													
Cash Capital	1,686,000	636,000	450,000	300,000	0	100,000	100,000	100,000	0	0	0	0	1,050,000
Total Financing Plan	1,686,000	636,000	450,000	300,000	0	100,000	100,000	100,000	0	0	0	0	1,050,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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.

Capital Planning & Building Assessment (continued)

Capital Planning & Building Assessment FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Feasibility/Studys/Designs	$ 450,000
Total Fiscal Year 2019	**$450,000**

Fiscal Year 2020	
Description	Amount
Facility Condiition Assessments	$ 300,000
Total Fiscal Year 2020	**$300,000**

Fiscal Year 2021	
Description	Amount
No assessements planned for FY 2021	$ -
Total Fiscal Year 2021	**$0**

CITY HALL RENOVATION AND HVAC REPLACEMENT

DOCUMENT SUBSECTION:	General Government Facilities	PROJECT LOCATION:	Old Town
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	301 King St.
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	30+ Years

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	41,125,000	6,350,000	500,000	500,000	3,925,000	1,000,000	27,350,000	1,500,000	0	0	0	0	34,775,000
Financing Plan													
Cash Capital	4,350,000	600,000	250,000	250,000	1,500,000	500,000	500,000	750,000	0	0	0	0	3,750,000
GO Bonds	33,575,000	2,550,000	250,000	250,000	2,425,000	500,000	26,850,000	750,000	0	0	0	0	31,025,000
Prior City Funding	3,200,000	3,200,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	41,125,000	6,350,000	500,000	500,000	3,925,000	1,000,000	27,350,000	1,500,000	0	0	0	0	34,775,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Project timing was delayed by one year, per the recommendation of the Ad-Hoc Joint City/School Facilities Investment Task Force. Funding recommended for FY 2020 was split between FY 2019 and FY 2020 so that planning and design work could continue for this project.

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 and potentially phased 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 space planning and reconfiguration will 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 citizens to do business in. All together, the proposed project will transform the City Hall interior into a modern 21st century 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. A Feasibility study was completed in spring 2014 and an A/E was engaged to provide design documents and construction estimates to address the immediate and priority repairs required for City Hall before FY 2020.

The Ad Hoc Joint City-Schools Facility Investment Task Force recommended that all the funding for the renovation be moved out by one year. The $1M planned for FY 2020 was divided between FY 2019 and FY 2020 to allow the planning and design of the project to continue.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION	ADDITIONAL OPERATING IMPACTS
N/A	No additional operating impacts identified at this time.

EMERGENCY POWER SYSTEMS

DOCUMENT SUBSECTION:	General Government Facilities	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	11 - 15 Years

Emergency Power Systems

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	5,093,000	3,478,000	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	0	0	1,615,000
Financing Plan													
Cash Capital	1,805,000	190,000	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	0	0	1,615,000
GO Bonds	0	0	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	3,288,000	3,288,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	5,093,000	3,478,000	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	0	0	1,615,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 services by providing reliable electricity to facilities, equipment, and technologies to meet contemporary standards for constant service delivery. Design and engineering phases include: analyses of current emergency systems requirements; current and future facility use; coordination with emergency response planning; and appropriate technology solutions to include, but not limited to, emergency generators, uninterrupted power supply (UPS), battery storage, micro grids, mobile generator interconnections, solar and renewable power supply sources, 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 reschedule.

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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
No projects planned	$ -
Total Fiscal Year 2019	**$0**

Fiscal Year 2020	
Description	Amount
Emergency Power Systems/UPS Replacement Design & Construction - Various Facilities	$ 401,000
Total Fiscal Year 2020	**$401,000**

Fiscal Year 2021	
Description	Amount
Emergency Power Systems/UPS Replacement Design & Construction - Various Facilities	$ 401,000
Total Fiscal Year 2021	**$401,000**

ENERGY MANAGEMENT PROGRAM

DOCUMENT SUBSECTION:	General Government Facilities	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	11 - 15 Years

Energy Management Program

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	12,348,352	5,255,352	225,000	675,000	875,000	775,000	783,000	975,000	760,000	675,000	675,000	675,000	7,093,000
Financing Plan													
Cash Capital	4,223,000	530,000	125,000	275,000	475,000	475,000	383,000	475,000	360,000	375,000	375,000	375,000	3,693,000
GO Bonds	4,850,000	1,450,000	100,000	400,000	400,000	300,000	400,000	500,000	400,000	300,000	300,000	300,000	3,400,000
Prior City Funding	2,767,901	2,767,901	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	507,451	507,451	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	12,348,352	5,255,352	225,000	675,000	875,000	775,000	783,000	975,000	760,000	675,000	675,000	675,000	7,093,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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, and Energy and Climate Action Plan goals; and the City's Energy Management program goals, this project provides facility, operations, employee, and vehicular energy conservation improvements and the use of energy-efficient technology in new and existing buildings and operations to achieve greater efficiency. Projects are evaluated according to financial return investment, energy use and cost reduction, and avoided greenhouse gas emissions. 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 expanding 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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Facility Re-Commissioning & Retro-Commissioning	$ 30,000
Energy Measurement & Verification	$ 30,000
Energy Audits / Energy Roadmap Dev	$ 30,000
Energy Project Specialist	$ 135,000
Total Fiscal Year 2019	**$225,000**

Fiscal Year 2020	
Description	Amount
Lighting Retrofits (Various Facilities)	$ 100,000
Facility Re-Commissioning & Retro-Commissioning	$ 100,000
Facility Advanced Metering Infrastructure (Various Facilities)	$ 40,000
Solar Photovoltaic Systems (Various Facilities)	$ 300,000
Energy Project Specialist	$ 135,000
Total Fiscal Year 2020	**$675,000**

Fiscal Year 2021	
Description	Amount
Energy Project Specialist	$ 138,000
Solar Photovoltaic Systems (Various Facilities)	$ 350,000
Strategic Energy Efficiency Technology Implementation (Various Facilities - HVAC, BMS, Lighting, Batterying Storage)	$ 387,000
Total Fiscal Year 2021	**$875,000**

FLEET BUILDING CFMP

DOCUMENT SUBSECTION:	General Government Facilities	PROJECT LOCATION:	3550 Wheeler Avenue
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Eisenhower East
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	Varies

Fleet Building CFMP

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	7,240,000	670,000	0	2,600,000	590,000	1,100,000	360,000	0	0	1,700,000	110,000	110,000	6,570,000
Financing Plan													
Cash Capital	5,460,000	670,000	0	1,100,000	590,000	820,000	360,000	0	0	1,700,000	110,000	110,000	4,790,000
GO Bonds	1,780,000	0	0	1,500,000	0	280,000	0	0	0	0	0	0	1,780,000
Total Financing Plan	7,240,000	670,000	0	2,600,000	590,000	1,100,000	360,000	0	0	1,700,000	110,000	110,000	6,570,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 City's physical plant. 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. A prioritized list of projects planned for FY 2019 – FY 2021 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 project was under the Ad Hoc Joint City-Schools Facility Investment Task Force review process and no changes were recommended.

Facilities covered under this CFMP:

- 3550 Wheeler Avenue

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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
No projects currently planned for FY 2019	
Total Fiscal Year 2019	**$0**

Fiscal Year 2020	
Description	Amount
Interior Improvements	$ 940,000
Lighting Upgrade	$ 230,000
HVAC Upgrade	$ 470,000
Flooring Replacement	$ 120,000
Eye Wash Stations Replacement	$ 25,000
Sprinkler System Upgrade	$ 635,000
Emergency Lighting Upgrade	$ 95,000
Unexpected Capital Maintenance	$ 85,000
Total Fiscal Year 2020	**$ 2,600,000**

Fiscal Year 2021	
Description	Amount
Exterior Door Upgrade	$ 89,000
Elevator Upgrade	$ 335,000
Bridge Crane Upgrade	$ 152,000
Access Ladder Upgrade	$ 5,000
Unexpected Capital Maintenance	$ 9,000
Total Fiscal Year 2021	**$590,000**

GENERAL SERVICES CFMP

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

General Services CFMP

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	23,318,987	14,374,737	746,750	804,000	1,011,750	969,750	928,250	987,250	996,500	956,250	766,500	777,250	8,944,250
Financing Plan													
Cash Capital	9,964,250	1,020,000	746,750	804,000	1,011,750	969,750	928,250	987,250	996,500	956,250	766,500	777,250	8,944,250
GO Bonds	850,000	850,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	12,404,737	12,404,737	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	23,318,987	14,374,737	746,750	804,000	1,011,750	969,750	928,250	987,250	996,500	956,250	766,500	777,250	8,944,250
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Funding added throughout 10-year plan to fund additional Capital Projects Manager in this project.

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 City's physical plant. 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. A prioritized list of projects planned for FY 2019 - 2021 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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Capital Projects Division Chief	$151,200
Capital Projects Manager	$146,750
Capital Projects Manager	$146,750
Unexpected Capital Maintenance	$302,050
Total Fiscal Year 2019	**$746,750**

Fiscal Year 2020	
Description	Amount
Capital Projects Division Chief	$158,800
Capital Projects Manager	$154,000
Capital Projects Manager	$154,000
Unexpected Capital Maintenance	$337,200
Total Fiscal Year 2020	**$804,000**

Fiscal Year 2021	
Description	Amount
Capital Projects Division Chief	$166,700
Capital Projects Manager	$161,750
Capital Projects Manager	$161,750
Unexpected Capital Maintenance	$521,550
Total Fiscal Year 2021	**$1,011,750**

MARKET SQUARE PLAZA AND GARAGE STRUCTURAL REPAIRS

DOCUMENT SUBSECTION:	General Government Facilities	PROJECT LOCATION:	301 King St.
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Old Town
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	30+ Years

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	8,000,000	1,500,000	0	0	3,500,000	3,000,000	0	0	0	0	0	0	6,500,000
Financing Plan													
Cash Capital	1,780,000	190,000	0	0	1,590,000	0	0	0	0	0	0	0	1,590,000
GO Bonds	6,220,000	1,310,000	0	0	1,910,000	3,000,000	0	0	0	0	0	0	4,910,000
Total Financing Plan	8,000,000	1,500,000	0	0	3,500,000	3,000,000	0	0	0	0	0	0	6,500,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The Market Square Plaza construction started 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 included 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 and become safety issues. The conditions identified are: 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 design the repair project and a portion of the funding will be used for immediate repairs. Funding in FY 2021 and FY 2022 will be used for construction to address the identified issues.

This project was under the purview Ad Hoc Joint City-Schools Facility Investment Task Force review process and no changes were recommended.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

PREVENTATIVE MAINTENANCE SYSTEMS AND STAFFING STUDY

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

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	350,000	0	350,000	0	0	0	0	0	0	0	0	0	350,000
Financing Plan													
Cash Capital	350,000	0	350,000	0	0	0	0	0	0	0	0	0	350,000
Total Financing Plan	350,000	0	350,000	0	0	0	0	0	0	0	0	0	350,000

CHANGES FROM PRIOR YEAR CIP

This is a new project added to the CIP in response to the recommendations of the Ad-Hoc Joint City/School Facilities Investment Task Force.

PROJECT DESCRIPTION & JUSTIFICATION

The Ad Hoc Joint City-School Facilities Investment 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 ($250,000)

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 project funds the study to research the needs requirements of the City agencies, and to conduct a feasibility assessment of systems currently in use by the City and/or new systems to meet these needs requirements.

Staffing Study ($100,000)

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 project funds the study to look at the 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	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	30+ Years

Roof Replacement Program

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	9,004,800	5,924,800	0	40,000	410,000	220,000	0	0	1,200,000	210,000	500,000	500,000	3,080,000
Financing Plan													
Cash Capital	1,225,500	300,000	0	40,000	0	220,000	0	0	200,000	210,000	0	255,500	925,500
GO Bonds	5,229,500	3,075,000	0	0	410,000	0	0	0	1,000,000	0	500,000	244,500	2,154,500
Prior City Funding	2,549,800	2,549,800	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	9,004,800	5,924,800	0	40,000	410,000	220,000	0	0	1,200,000	210,000	500,000	500,000	3,080,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 2019 – FY 2021 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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
No projects currently planned in FY 2019	
Total Fiscal Year 2019	**$0**

Fiscal Year 2020	
Description	Amount
Lloyd House	$ 40,000
Total Fiscal Year 2020	**$40,000**

Fiscal Year 2021	
Description	Amount
Durant Center	$ 340,000
Fire Station 206 Gutters	$ 8,000
Contingency/Design	$ 62,000
Total Fiscal Year 2021	**$410,000**

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
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
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
Total Financing Plan	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

Operation of the fuel island allows the City to leverage bulk fuel purchasing opportunities through cooperative purchasing contracts offered through the Metropolitan Washington Council of Governments. Such bulk fuel purchasing provides the City an approximate 20% discount (approximately $375,000 per year) on fuel costs.

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 (FY 2017) supports renovation design and critical and immediate emergency repairs to the Fuel Island's electrical system as identified in the Fuel Island assessment. FY 2018 funding supports renovation of the Fuel Island including additional 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.

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	PROJECT LOCATION:	5005 Duke St.
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Landmark/Van Dorn
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 7: Thriving Children & Youth	ESTIMATE USEFUL LIFE:	Varies

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,170,000	1,170,000	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	70,000	70,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,170,000	1,170,000	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 prior CIP.

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.

LIBRARY CFMP

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

Library CFMP

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,899,435	1,946,435	500,000	0	0	300,000	66,000	87,000	0	0	0	0	953,000
Financing Plan													
Cash Capital	1,228,000	275,000	500,000	0	0	300,000	66,000	87,000	0	0	0	0	953,000
GO Bonds	0	0	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	1,671,435	1,671,435	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,899,435	1,946,435	500,000	0	0	300,000	66,000	87,000	0	0	0	0	953,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 City's physical plant. 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. A prioritized list of projects planned for FY 2019- 2021 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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Beatley Parking Lot Repair	$ 500,000
Total Fiscal Year 2019	**$500,000**

Fiscal Year 2020	
Description	Amount
No projects currently planned for FY 2020	
Total Fiscal Year 2020	**$0**

Fiscal Year 2021	
Description	Amount
No projects currently planned for FY 2021	
Total Fiscal Year 2021	**$0**

CITY HISTORIC FACILITIES CFMP

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

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	13,663,510	5,358,510	1,415,000	1,900,000	720,000	550,000	110,000	2,330,000	290,000	190,000	400,000	400,000	8,305,000
Financing Plan													
Cash Capital	9,766,000	1,991,000	1,385,000	1,650,000	470,000	550,000	110,000	2,330,000	290,000	190,000	400,000	400,000	7,775,000
GO Bonds	991,000	461,000	30,000	250,000	250,000	0	0	0	0	0	0	0	530,000
Prior City Funding	2,906,510	2,906,510	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	13,663,510	5,358,510	1,415,000	1,900,000	720,000	550,000	110,000	2,330,000	290,000	190,000	400,000	400,000	8,305,000
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 $400,000 added in FY 2019 as a contingency for emergency repairs at Gadsby's Museum and Restaurant, American Legion, and the recently acquired Reeder House.

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 City's physical plant. 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. A prioritized list of projects planned for FY 2019- 2021 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
- Friendship Firehouse
- Gadsby’s Tavern Museum and Restaurant
- Lloyd House
- Lyceum
- Ramsay Visitors Center
- Reeder House
- Union Station
- Watson Reading Room

The Ad Hoc Joint City-School Facilities Investment Task Force recommended removing the Gadsby's Renovation Project from the CIP and look at alternative ways to fund the project. This decision removes all capital funding for capital repair for the Gadsby's Tavern Museum, Gadsby's Tavern Restaurant, and the American Legion. Due to the removal of the Gadsby’s Renovation Project, an additional $400K is allocated to the City Historic Facilities CFMP in FY 2019 for emergency repairs at Gadsby's Museum and Restaurant, American Legion, and the recently acquired Reeder House.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION	ADDITIONAL OPERATING IMPACTS
N/A	No additional operating impacts identified at this time.

City Historic Facilities CFMP (continued)

City Historic Facilities CFMP FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Apothecary Exterior Upgrades	$ 20,000
Archives and Records Center Exterior Upgrades	$ 65,000
Archives and Union Station HVAC Upgrades	$ 440,000
Black History and Union Station Fire Alarm Upgrades	$ 73,000
Black History Exterior Upgrades	$ 58,000
Fort Ward Museum Exterior Upgrades	$ 75,000
Lloyd House Exterior Upgrades	$ 140,000
Union Station Concrete Improvements	$ 43,000
Union Station Exterior Paint	$ 20,000
Watson Reading Room Exterior Upgrades	$ 22,000
Unexpected Capital Maintenance	$ 459,000
Total Fiscal Year 2019	**$1,415,000**

Fiscal Year 2020	
Description	Amount
Friendship Firehouse Exterior Upgrades	$ 50,000
Archives and Lyceum Exterior Window Upgrades	$ 140,000
Fort Ward Museum Interior Door Upgrades	$ 30,000
Archives, Black History, Fort Ward, and Lloyd House Restroom Upgrades	$ 235,000
Apothecary,Black History, Fort Ward, Friendship Fire, Lloyd, Lyceum, Union Station,Watson Reading Room Interior Upgrades	$ 345,000
Apothecary,Archives,Black History, Fort Ward, Friendship Fire, Lloyd, Lyceum, Ramsay House,Watson Reading Room Flooring Upgrades	$ 520,000
Apothecary,Archives,Black History, Fort Ward, Friendship Fire, Lloyd, Lyceum, Union Station Ceiling Upgrades	$ 345,000
Apothecary Pumps Upgrades	$ 100,000
Black History and Fort Ward HVAC Control Upgrade	$ 7,000
Ramsay House Sprinkler Upgrade	$ 22,000
Archives and Fort Ward Exterior Lighting Upgrade	$ 30,000
Unexpected Capital Maintenance	$ 76,000
Total Fiscal Year 2020	**$1,900,000**

City Historic Facilities CFMP (continued)

City Historic Facilities CFMP FY 2019 – FY 2021 Project List (continued)

Fiscal Year 2021	
Description	Amount
Archives Exterior Upgrades	$ 5,000
Union Station Exterior Door Upgrade	$ 19,000
Fort Ward, Lloyd, Lyceum, Union Station, Watson Reading Water Heater Upgrade	$ 30,000
Black History and Lloyd HVAC Upgrades	$ 100,000
Archives, Black History, Union Station, Watson Reading Electrical Upgrades	$ 276,000
Lloyd House Interior Lighting Upgrades	$ 90,000
Apothecary Fire Alarm Upgrade	$ 10,000
Black History/Fort Ward Security Upgrade	$ 25,000
Archives, Black History, Friendship Firehouse, Watson Reading Emergency Lighting	$ 140,000
Unexpected Capital Maintenance	$ 25,000
Total Fiscal Year 2021	**$720,000**

TORPEDO FACTORY SPACE PROGRAMMING STUDY

DOCUMENT SUBSECTION:	Preservation of Historic Facilities	PROJECT LOCATION:	105 N. Union St.
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Old Town
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	N/A

Torpedo Factory Space Programming Study

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	370,000	0	120,000	250,000	0	0	0	0	0	0	0	0	370,000
Financing Plan													
Cash Capital	370,000	0	120,000	250,000	0	0	0	0	0	0	0	0	370,000
Total Financing Plan	370,000	0	120,000	250,000	0	0	0	0	0	0	0	0	370,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project optimizes spatial use and functions of the Torpedo factory. This process will increase the spatial efficiency and energy efficiency of the building. Proposed funding is for a feasibility study and pre-design services. Funding in FY 2019 will address immediate repairs at the facility. The feasibility study will provide information for future planning, budgeting and phasing of the work. The project helps maintain the value of the City's physical assets, while providing more energy efficient operations and use at the Torpedo Factory Art Center.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Small Area Plan of the City's Waterfront Project; Department of General Services Work Plan.

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

HEALTH DEPARTMENT CFMP

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

Health Department CFMP

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	10,504,000	6,414,000	0	0	2,250,000	1,840,000	0	0	0	0	0	0	4,090,000
Financing Plan													
Cash Capital	1,644,500	100,000	0	0	500,000	1,044,500	0	0	0	0	0	0	1,544,500
GO Bonds	8,859,500	6,314,000	0	0	1,750,000	795,500	0	0	0	0	0	0	2,545,500
Total Financing Plan	10,504,000	6,414,000	0	0	2,250,000	1,840,000	0	0	0	0	0	0	4,090,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Funding for this project was reduced by $11.6 million, per the recommendation of the Ad-Hoc Joint City/School Facilities Investment Task Force.

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 City's physical plant. 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. A prioritized list of projects planned for FY 2019 - 2021 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

The Ad Hoc Joint City-School Facilities Investment Task Force recommended a reduction of $11.6 million over the next ten years in this CFMP.

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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
No projects currently planned for FY 2019	
Total Fiscal Year 2019	**$ -**

Fiscal Year 2020	
Description	Amount
No projects currently planned for FY 2020	$ -
Total Fiscal Year 2020	**$ -**

Fiscal Year 2021	
Description	Amount
Substructure Improvements	$ 43,000
Exterior Door Upgrade	$ 30,000
Restroom Upgrade	$ 1,145,000
Flooring Upgrade	$ 668,000
Water Cooler Upgrade	$ 52,000
Water Heater Upgrade	$ 73,000
Pump Upgrades	$ 112,000
HVAC Upgrades	$ 48,000
Unexpected Capital Maintenance	$ 79,000
Total Fiscal Year 2021	**$2,250,000**

MENTAL HEALTH RESIDENTIAL FACILITIES CFMP

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

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	3,414,995	2,664,995	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Financing Plan													
Cash Capital	1,025,000	275,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Prior City Funding	2,364,995	2,364,995	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	25,000	25,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	3,414,995	2,664,995	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 City's physical plant. 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. A prioritized list of projects planned for FY 2019 – FY 2021 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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Capital Maintenance and Replacement Requirements at City-owned and Operated Group Homes and Residential Units	$75,000
Total Fiscal Year 2019	**$75,000**

Fiscal Year 2020	
Description	Amount
Capital Maintenance and Replacement Requirements at City-owned and Operated Group Homes and Residential Units	$75,000
Total Fiscal Year 2020	**$75,000**

Fiscal Year 2021	
Description	Amount
Capital Maintenance and Replacement Requirements at City-owned and Operated Group Homes and Residential Units	$75,000
Total Fiscal Year 2021	**$75,000**

COURTHOUSE CFMP

DOCUMENT SUBSECTION:	Public Safety Facilities	PROJECT LOCATION:	520 King Street
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Old Town
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	16 - 20 Years

Courthouse CFMP

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	12,556,600	4,556,600	2,000,000	2,000,000	2,000,000	2,000,000	0	0	0	0	0	0	8,000,000
Financing Plan													
Cash Capital	7,099,600	2,519,600	1,280,000	1,100,000	1,100,000	1,100,000	0	0	0	0	0	0	4,580,000
GO Bonds	5,457,000	2,037,000	720,000	900,000	900,000	900,000	0	0	0	0	0	0	3,420,000
Total Financing Plan	12,556,600	4,556,600	2,000,000	2,000,000	2,000,000	2,000,000	0	0	0	0	0	0	8,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No financial changes from prior CIP. Project re-titled as from “Courthouse Renovations – HVAC & CFMP” to “Courthouse CFMP”.

PROJECT DESCRIPTION & JUSTIFICATION

The Courthouse capital facility maintenance plan 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 expectancies of equipment and materials necessary to adequately maintain the Courthouse. In some cases, the Courthouse'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 of the Courthouse, including painting and floor covering (carpet and tile) replacement; mechanical, electrical and plumbing systems; and window replacements. 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. Since the facility was constructed in 1981 and has not undergone a major renovation during this time, and based on the findings of the assessment, a feasibility study will be conducted in FY 2018 - 2019. 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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Phase One Renovations	$ 2,000,000
Total Fiscal Year 2019	**$2,000,000**

Fiscal Year 2020	
Description	Amount
Phase Two Renovations	$ 2,000,000
Total Fiscal Year 2020	**$2,000,000**

Fiscal Year 2021	
Description	Amount
Phase Three Renovations	$ 2,000,000
Total Fiscal Year 2021	**$2,000,000**

COURTHOUSE/PSC SECURITY SYSTEM UPGRADE

DOCUMENT SUBSECTION:	Public Safety Facilities	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	6 - 10 Years

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	5,755,000	2,255,000	0	0	0	0	0	0	0	0	3,500,000	0	3,500,000
Financing Plan													
Cash Capital	5,755,000	2,255,000	0	0	0	0	0	0	0	0	3,500,000	0	3,500,000
Total Financing Plan	5,755,000	2,255,000	0	0	0	0	0	0	0	0	3,500,000	0	3,500,000
Additional Operating Impact	577,960	0	0	0	65,000	66,950	68,959	71,027	73,158	75,353	77,613	79,900	577,960

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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

An operation impact of $65,000 is anticipated for software upgrades, starting FY 2021 (first 3 years are covered by warranty).

EXPANSION OF POLICE PROPERTY EVIDENCE STORAGE STUDY

DOCUMENT SUBSECTION:	Public Safety Facilities	PROJECT LOCATION:	3600 Wheeler Avenue
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Eisenhower East
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	N/A

Expansion of Police Property Evidence Storage Study

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	100,000	0	0	0	0	0	0	100,000	0	0	0	0	100,000
Financing Plan													
Cash Capital	100,000	0	0	0	0	0	0	100,000	0	0	0	0	100,000
Total Financing Plan	100,000	0	0	0	0	0	0	100,000	0	0	0	0	100,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The current Property & Evidence Section at Police Headquarters is approximately 5,500 square feet. The current Property and Evidence Section is at 85% capacity. At the current rate of property and evidence collection, it is expected to reach full capacity in the next two to three years. Alexandria Police Department (APD) has explored existing expansion options within headquarters. However, due to the high level of security needs, the legal need to maintain proper chain-of-custody of evidentiary items, and the future growth of the City and the Department, APD believes the best solution would be to use the area of land identified for future expansion during the APD Headquarters development process. The southwest portion of APD Headquarters was identified during the developmental stage of the construction of the facility to accommodate future expansion needs. This area would be ideal as it would remain on City property utilized by APD where securing those items would remain protected and intact.

This project provides funding to study options and identify potential sites for expanding APD evidence storage.

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	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	Varies

Fire & Rescue CFMP

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	13,012,233	6,763,233	487,000	1,482,000	745,000	970,000	90,000	585,000	120,000	1,470,000	150,000	150,000	6,249,000
Financing Plan													
Cash Capital	6,294,000	1,045,000	487,000	982,000	745,000	970,000	90,000	585,000	120,000	970,000	150,000	150,000	5,249,000
GO Bonds	2,325,000	1,325,000	0	500,000	0	0	0	0	0	500,000	0	0	1,000,000
Prior City Funding	4,393,233	4,393,233	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	13,012,233	6,763,233	487,000	1,482,000	745,000	970,000	90,000	585,000	120,000	1,470,000	150,000	150,000	6,249,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Funding added throughout the 10-year CIP to ensure adequate maintenance of Fire Station 206 until its replacement, which has been pushed beyond the 10-year CIP per the recommendation of the Ad-Hoc Joint City/School Facilities Investment Task Force.

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 City's physical plant. 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. A prioritized list of projects planned for FY 2019 - 2021 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
- Fire Station 202
- Fire Station 203
- Fire Station 204
- Fire Station 205
- Fire Station 206
- Fire Station 207
- Fire Station 208
- Fire Station 209
- Fire Station 210

The Ad Hoc Joint City-School Facilities Investment Task Force recommended pushing the funding for the replacement of Fire Station 206 beyond the 10-year CIP. Additional funding was added to the CFMP to adequately maintain the current physical plant of Fire Station 206.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION	ADDITIONAL OPERATING IMPACTS
N/A	No additional operating impacts identified at this time.

Fire & Rescue CFMP (continued)

Fire & Rescue CFMP FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
FS209 Concrete Bay Improvements	$ 98,000
FS208 Exterior Door Upgrades	$ 45,000
FS206 Unit Heater Upgrade	$ 10,000
FS206 Window Unit Upgrades	$ 200,000
FS201 and FS206 HVAC Upgrades	$ 40,000
FS206 Exterior Improvements	$ 25,000
Unexpected Capital Maintenance	$ 69,000
Total Fiscal Year 2019	**$487,000**

Fiscal Year 2020	
Description	Amount
FS208 Exterior Improvements	$ 65,000
FS201, FS202, FS204, FS206, FS209 Exterior Improvements	$ 165,000
FS204 Kitchen Cabinet Upgrades	$ 40,000
FS209 Interior Improvements	$ 380,000
FS210 Concrete Improvements	$ 5,000
FS204 Flooring Upgrades	$ 125,000
FS201 and FS208 Flooring Upgrades	$ 65,000
FS204, FS206, FS207 Water Heater Upgrades	$ 85,000
FS208 HVAC Upgrades	$ 10,000
FS208 Fire Alarm Upgrades	$ 140,000
FS201, FS202, FS204, FS206, FS209 Emergency Lighting Upgrade	$ 115,000
FS208 Parking Lot Improvements	$ 75,000
FS210 Interior Door Improvements	$ 24,000
FS210 Equipment Improvements	$ 6,000
Unexpected Capital Maintenance	$ 182,000
Total Fiscal Year 2020	**$ 1,482,000**

Fiscal Year 2021	
Description	Amount
FS208 Restroom Upgrades	$ 35,000
FS201,FS202,FS204,FS207,FS208 Interior Upgrades	$ 280,000
FS202,FS204,FS208 Domestic Water Upgrades	$ 95,000
FS208 Lighting Upgrades	$ 135,000
FS208 Kitchen Upgrades	$ 65,000
FS202 Parking Lot Improvements	$ 35,000
FS209 Front Ramp Assessment	$ 5,000
FS206 Electrical Upgrades	$ 35,000
Unexpected Capital Maintenance	$ 60,000
Total Fiscal Year 2021	**$745,000**

FIRE STATION 203 (CAMERON MILLS)

DOCUMENT SUBSECTION:	Public Safety Facilities	PROJECT LOCATION:	2801 Cameron Mills Rd.
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Norrth Ridge/Rosemont
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	30+ Years

Fire Station 203 (Cameron Mills)

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	10,999,000	9,599,000	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Financing Plan													
Cash Capital	1,100,000	1,100,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	9,899,000	8,499,000	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Total Financing Plan	10,999,000	9,599,000	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Additional Operating Impact	914,320	0	0	90,000	92,700	95,481	98,345	101,296	104,335	107,465	110,689	114,009	914,320

CHANGES FROM PRIOR YEAR CIP

Funding in the amount of $1.4 million added in FY 2019 to address increases in the estimated construction cost of the facility.

PROJECT DESCRIPTION & JUSTIFICATION

Station 203, located in the Beverly Hills area, was built in 1948 and is 70 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 it is anticipated that construction will start in the spring of 2018. City staff has determined that this is an optimal location for the service delivery, and the project is moving forward in advance of the completion of the Fire Location Study being completed by City staff. Completion of this project will enhance Fire Department prevention and response delivery services by operating a new station that is safe, effective, and efficient.

Construction costs were previously expected to rise 2% to 3% in 2017 due to increase in construction labor and material costs. Costs have increased by 4.92% over the 3rd quarter last year as reported by Turner Construction Building Cost Index. Turner notes in its October 23, 2017 report that “Additionally, the devastation from Hurricane Harvey in the South has begun to affect fuel costs. Over the next few months we will be keeping our eye on Ethylene products in particular, which have the potential to affect construction material costs next quarter.” This rise of material costs is likely to increase over the coming months. In response, the cost estimate has been revised to reflect an anticipated increase to the mid-point of construction which increases the overall project budget by $1,400,000.

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

The new Station 203 could be completed in FY 2020 First year costs of $90,000 will include preventive maintenance for the new facility. This cost will be adjusted by inflation (3% annual rate used) every year thereafter.

If the City decides it needs to add a new Medic Unit in this location (a study is needed) then the additional operating costs would be about $1.0 million, plus the cost of buying and equipping a medic unit.

FIRE STATION 205 (CAMERON STREET)

DOCUMENT SUBSECTION:	Public Safety Facilities	PROJECT LOCATION:	1210 Cameron St.
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Braddock Road Metro
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	30+ Years

Fire Station 205 (Cameron Street)

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	11,275,000	0	0	0	250,000	3,150,000	7,875,000	0	0	0	0	0	11,275,000
Financing Plan													
Cash Capital	250,000	0	0	0	250,000	0	0	0	0	0	0	0	250,000
GO Bonds	11,025,000	0	0	0	0	3,150,000	7,875,000	0	0	0	0	0	11,025,000
Total Financing Plan	11,275,000	0	0	0	250,000	3,150,000	7,875,000	0	0	0	0	0	11,275,000
Additional Operating Impact	477,822	0	0	0	0	0	0	90,000	92,700	95,481	98,345	101,296	477,822

CHANGES FROM PRIOR YEAR CIP

Project was moved from FY 2023 – FY 2025 to FY 2021 – FY 2023, per the recommendation of the Ad-Hoc Joint City/School Facilities Investment Task Force.

PROJECT DESCRIPTION & JUSTIFICATION

Station 205 (Cameron Street) was built in 1949 and is 69 years old, 19 years beyond the generally accepted life cycle for a fire station. This two bay Station houses an engine, a medic unit, Battalion Chief and a Battalion Aide vehicle. Station 205 primarily responds to emergencies in the Old Town area and in the Eisenhower East areas. The Station 205 bays have narrow and low overhead doors, and low ceilings that cannot accommodate modern apparatus that should be housed at Station 205, where it is needed (i.e., a ladder truck is currently housed in Station 204); there are insufficient living areas for staff; a prior assessment by the independent architectural-engineering firm recommended demolition of the existing facility. A new Station is recommended to replace the existing Station 205. The City studied the optimal locations for its fire stations through a fire station location study completed in FY 2017. The current site is exceptionally limited in size and cannot accommodate a four bay station. It is possible that consideration will be made to relocate this station, as the existing site is quite small for contemporary fire station functions. Land acquisition costs of $3.1 million are budgeted as part of the project. If this station is ultimately constructed at a different site and the City opts to sell the current property, the sale revenues would help offset some portion of the capital costs.

This project was under the purview of the Ad Hoc Joint City-School Facilities Investment Task Force review process and as part of their recommendations Fire Station 205's funding was moved from FY 2023 – FY 2025 to FY 2021 – FY 2023.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Fire Station Facilities Study completed in June 2008; FY 2010 Alexandria Fire Department Facilities Renovation and Construction Program.

ADDITIONAL OPERATING IMPACTS

The new Station 205 could be completed in FY 2024. First year costs of $90,000 will include preventive maintenance for the new facility. This cost will be adjusted by inflation (3% annual rate used) every year thereafter.

FIRE STATION 207 (DUKE STREET)

DOCUMENT SUBSECTION:	Public Safety Facilities	PROJECT LOCATION:	3301 Duke St.
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Taylor Run
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	30+ Years

Fire Station 207 (Duke Street)

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	18,200,000	0	0	0	0	0	0	0	3,500,000	14,700,000	0	0	18,200,000
Financing Plan													
Cash Capital	5,243,000	0	0	0	0	0	0	0	1,500,000	3,743,000	0	0	5,243,000
GO Bonds	12,957,000	0	0	0	0	0	0	0	2,000,000	10,957,000	0	0	12,957,000
Total Financing Plan	18,200,000	0	0	0	0	0	0	0	3,500,000	14,700,000	0	0	18,200,000
Additional Operating Impact	186,760	0	0	0	0	0	0	0	0	0	92,000	94,760	186,760

CHANGES FROM PRIOR YEAR CIP

Project funding moved from FY 2021 – FY 2023 to FY 2025 – FY 2026, per the recommendation of the Ad-Hoc Joint City/School Facilities Investment Task Force.

PROJECT DESCRIPTION & JUSTIFICATION

Station 207 (Duke Street) was built in 1963 and is 55 years old. Two bays house an engine, a Medic unit, and a Light and Air unit. Station 207 is one of the busiest City Stations and responds to emergencies in the City's center and West End. The City needs a centrally located Station to serve all areas; Station 207 is targeted to be that central facility. However, a minimal four bay configuration is required for an engine, ladder truck, rescue truck, and Medic unit (and, ideally, an additional two bays to house the reserve fleet, now stored outside). The current Station cannot house a needed ladder and a rescue truck; has structural issues, including slab movement; and has insufficient staff living areas. A new four bay Station 207 cannot fit at its present land-constrained site. The City completed a study of the optimal locations for its fire stations through a fire station location study in FY 2017. A strategy for a new site could entail selling the current facility and land, and constructing a new Station 207 in conjunction with other City uses. The new project budget includes an additional $3.0 million for land acquisition cost should another City site not be available in the immediate Duke Street area. If this station is ultimately constructed at a different site and the City opts to sell the current land, the sale revenues would help partially offset capital costs.

This project was under the Ad Hoc Joint City-Schools Facility Investment Task Force review process and as part of their recommendations funding for Fire Station 207 was moved from FY 2021 – FY 2023 to FY 2025 – FY 2026.

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

The new Station 207 could be completed in FY 2027. A $92,000 increase in yearly maintenance and utility costs is estimated to cover preventive maintenance to building systems and increase in building size.

NEW BURN BUILDING

DOCUMENT SUBSECTION:	Public Safety Facilities	PROJECT LOCATION:	805 S. Payne St.
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Southwest Quadrant
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,140,000	0	0	0	0	540,000	1,600,000	0	0	0	0	0	2,140,000
Financing Plan													
Cash Capital	540,000	0	0	0	0	540,000	0	0	0	0	0	0	540,000
GO Bonds	1,600,000	0	0	0	0	0	1,600,000	0	0	0	0	0	1,600,000
Total Financing Plan	2,140,000	0	0	0	0	540,000	1,600,000	0	0	0	0	0	2,140,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 would make 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 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, Mayday, 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.

This project was under the purview of the Ad Hoc Joint City/School Facilities Investment Task Force review process and no changes were recommended.

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	PROJECT LOCATION:	2001/03 Mill Rd
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Eisenhower East
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	Varies

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	18,377,356	4,970,356	1,152,000	2,254,000	2,300,000	2,000,000	1,900,000	2,345,000	1,456,000	0	0	0	13,407,000
Financing Plan													
Cash Capital	13,827,000	1,420,000	1,152,000	1,254,000	2,300,000	2,000,000	1,900,000	2,345,000	1,456,000	0	0	0	12,407,000
GO Bonds	1,596,000	596,000	0	1,000,000	0	0	0	0	0	0	0	0	1,000,000
Prior City Funding	2,954,356	2,954,356	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	18,377,356	4,970,356	1,152,000	2,254,000	2,300,000	2,000,000	1,900,000	2,345,000	1,456,000	0	0	0	13,407,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 City's physical plant. 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. A prioritized list of projects planned for FY 2019 - 2021 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 will be conducted in FY 2018 – FY 2019. 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 2019 – 2021 Project List

Fiscal Year 2019	
Description	Amount
Kitchen Renovation	$ 855,000
Feasibility Study	$ 297,000
Total Fiscal Year 2019	**$1,152,000**

Fiscal Year 2020	
Description	Amount
Design	$ 1,800,000
Feasibility Study	$ 454,000
Total Fiscal Year 2020	**$2,254,000**

Fiscal Year 2021	
Description	Amount
Phase One Renovations	$ 2,300,000
Total Fiscal Year 2021	**$2,300,000**

PISTOL RANGE

DOCUMENT SUBSECTION:	Public Safety Facilities	PROJECT LOCATION:	5261 Eisenhower Ave.
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Eisenhower West
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	16 - 20 Years

Pistol Range

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,880,000	2,780,000	100,000	0	0	0	0	0	0	0	0	0	100,000
Financing Plan													
Cash Capital	280,000	180,000	100,000	0	0	0	0	0	0	0	0	0	100,000
GO Bonds	2,600,000	2,600,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,880,000	2,780,000	100,000	0	0	0	0	0	0	0	0	0	100,000
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 in FY 2019 as a contingency for immediate repairs that will be made to the facility to allow it to re-open.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for improvements at the Charles Hill Memorial Firearms Training Facility to address the health and safety concerns raised by the Alexandria Police Department and regional public safety user groups. The Pistol Range is heavily used by approximatley 500 Alexandria Police officers and Sheriff's deputies who are required to train at the Range annually for a total of approximatley 6,500 hours per year. State law requires an annual retesting, both for officer and community safety reasons. Alexandria's retesting frequency is twice per year. Police Special Operations and tactical unit members receive additional range training, and several other local law enforcement officers also use the City's range.

During 2017, the pistol range was closed due to safety concerns. An independent consultant reviewed the conditions of the facility and made recommendations for cost effective improvements. A phased approach to making these improvements will be implemented in order to reopen the range. An additional funding request of $100,000 is included in FY 2019 to facilitate the reopening of the range.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

VOLA LAWSON ANIMAL SHELTER

DOCUMENT SUBSECTION:	Public Safety Facilities	PROJECT LOCATION:	4101 Eisenhower Ave.
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Seminary Hill
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	Varies

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	736,691	336,691	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Financing Plan													
Cash Capital	470,000	70,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Prior City Funding	266,691	266,691	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	736,691	336,691	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 City's physical plant. 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. A prioritized list of projects planned for FY 2019 – FY 2021 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 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Flooring	$40,000
Total Fiscal Year 2019	**$40,000**

Fiscal Year 2020	
Description	Amount
Flooring	$40,000
Total Fiscal Year 2020	**$40,000**

Fiscal Year 2021	
Description	Amount
Flooring	$ 20,000
Unexpected Capital Maintenance	$ 20,000
Total Fiscal Year 2021	**$40,000**

TRANSPORTATION & TRANSIT

Transportation & Transit
Approved FY 2019 – FY 2028 Capital Improvement Program
Summary of Projects

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Transportation											
Fixed Transportation Equipment											
Citywide Parking - Parking Technologies	352,400	203,079	630,123	450,000	250,000	0	0	0	0	0	1,885,602
Citywide Trans. Mgmt. Tech. - Broadband Communications Link	0	0	0	0	0	0	0	0	0	0	0
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	152,000	203,000	223,000	1,000,000	0	0	0	0	0	0	1,578,000
Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Citywide Trans. Mgmt. Tech. - Transportation Technologies	250,000	0	250,000	0	250,000	0	250,000	0	250,000	250,000	1,500,000
Fixed Transportation Equipment	850,000	850,000	850,000	850,000	2,350,000	875,000	875,000	900,000	900,000	900,000	10,200,000
Traffic Adaptive Signal Control	0	0	0	5,266,000	2,410,000	0	0	0	0	0	7,676,000
Fixed Transportation Equipment Total	1,704,400	1,356,079	2,053,123	7,666,000	5,360,000	975,000	1,225,000	1,000,000	1,250,000	1,250,000	23,839,602
High Capacity Transit Corridors											
Route 1 Transitway Fare Payment Technology	500,000	500,000	454,491	0	0	0	0	0	0	0	1,454,491
Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	0	0	0	2,000,000	3,000,000	14,000,000	TBD	TBD	TBD	0	19,000,000
Transit Corridor "C" - West End Transitway	250,000	250,000	30,967,000	33,055,000	35,979,000	2,600,000	12,100,000	12,500,000	0	0	127,701,000
High Capacity Transit Corridors Total	750,000	750,000	31,421,491	35,055,000	38,979,000	16,600,000	12,100,000	12,500,000	TBD	0	148,155,491
Non-Motorized Transportation											
Backlick Run Multi-Use Paths	1,918,000	0	0	2,210,000	2,101,000	0	0	0	0	0	6,229,000
Bicycle Parking at Transit	0	0	0	0	0	0	0	0	0	0	0
BRAC & Central City Neighborhood Protection Plan	0	0	0	0	0	0	0	0	0	0	0
Cameron & Prince Bicycle & Pedestrian Facilities	0	0	0	0	0	0	0	0	0	0	0
Capital Bikeshare	368,000	402,000	350,000	400,000	250,000	0	0	0	0	0	1,770,000
Complete Streets	1,545,000	1,130,000	1,130,000	830,000	830,000	830,000	830,000	680,000	830,000	830,000	9,465,000
Holmes Run Greenway	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trail Connector	0	0	0	0	0	0	0	0	0	0	0
Mt. Vernon Trail @ East Abingdon	0	0	0	0	0	0	0	0	0	0	0
Old Cameron Run Trail	1,026,000	1,409,000	1,360,000	0	0	0	0	0	0	0	3,795,000
Safe Routes to Schools	0	0	0	0	0	0	0	0	0	0	0
Seminary / Howard Safety Improvements	0	0	0	0	0	0	0	0	0	0	0
Shared-Use Paths	0	300,000	0	300,000	0	300,000	0	300,000	0	0	1,200,000
Sidewalk Capital Maintenance	600,000	600,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	327,000	4,827,000
Transportation Master Plan Update	0	0	500,000	0	0	0	0	0	0	0	500,000
Van Dorn/Beauregard Bicycle Facilities	250,000	1,171,000	0	0	0	0	0	0	0	0	1,421,000
Non-Motorized Transportation Total	5,707,000	5,012,000	3,940,000	4,040,000	3,781,000	1,430,000	1,430,000	1,280,000	1,430,000	1,157,000	29,207,000

Transportation & Transit
Approved FY 2019 – FY 2028 Capital Improvement Program
Summary of Projects

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Transportation											
Public Transit											
Bus Shelters and Benches	152,400	203,079	823,123	500,000	400,000	0	0	0	0	0	2,078,602
DASH Bus Fleet Replacements	3,954,000	3,529,000	2,800,000	3,375,000	2,100,000	2,100,000	1,400,000	1,400,000	1,400,000	1,400,000	23,458,000
DASH Bus Fleet Replacements (Fleet Electrification)	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-
DASH Electronic Fare Payment	0	450,000	750,000	0	0	0	0	0	0	0	1,200,000
DASH Facility and Fleet Expansion	397,000	0	1,366,000	4,531,000	4,841,000	0	0	0	0	0	11,135,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	300,000	900,000	350,000	400,000	500,000	550,000	450,000	450,000	450,000	450,000	4,800,000
DASH Technology	200,000	0	0	0	600,000	0	0	0	0	0	800,000
Eisenhower Metrorail Station Improvements	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	300,706	0	0	0	0	0	0	0	0	0	300,706
Potomac Yard Metrorail Station	0	0	0	0	0	0	0	0	0	0	0
Van Dorn Metrorail Station Area Imprv.	0	0	0	0	0	0	0	0	0	0	0
WMATA Capital Contributions	16,471,455	30,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	254,471,455
Public Transit Total	21,775,561	35,082,079	32,089,123	34,806,000	34,441,000	28,650,000	27,850,000	27,850,000	27,850,000	27,850,000	298,243,763
Streets & Bridges											
Bridge Repairs	300,000	700,000	300,000	700,000	300,000	1,700,000	1,300,000	1,400,000	2,300,000	2,500,000	11,500,000
City Standard Construction Specifications	0	0	0	0	0	0	0	0	0	0	0
East Glebe & Route 1	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Eisenhower Avenue Roadway Improvements	170,000	0	0	0	0	0	0	0	0	0	170,000
EW & LVD Implementation - High Street Design/Engineering	0	0	0	0	500,000	0	0	0	0	0	500,000
Farrington Connector	0	0	0	0	0	500,000	0	0	0	0	500,000
King & Beauregard Intersection Improvements	0	0	0	0	0	0	0	0	0	0	0
Madison & Montgomery Reconstruction	0	0	0	0	0	0	0	0	0	0	0
Seminary Road at Beauregard Street Ellipse	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	0	36,400,000
Street Reconstruction & Resurfacing of Major Roads	5,260,000	5,500,000	5,500,000	5,500,000	5,000,000	4,975,000	4,975,000	4,300,000	5,300,000	5,000,000	51,310,000
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	300,000	0	0	0	0	0	0	0	0	0	300,000
Streets & Bridges Total	7,430,000	9,700,000	22,000,000	22,900,000	5,800,000	7,175,000	6,275,000	5,700,000	7,600,000	7,500,000	102,080,000
Grand Total	**37,366,961**	**51,900,158**	**91,503,737**	**104,467,000**	**88,361,000**	**54,830,000**	**48,880,000**	**48,330,000**	**38,130,000**	**37,757,000**	**601,525,856**

Transportation Improvement Program (TIP)
Approved FY 2019 – FY 2028 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 NVTA 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 NVTA 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 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 19-FY28
TIP Reserved Real Estate Tax Rate	$8,684,780	$8,858,476	$9,035,645	$9,216,358	$9,400,685	$9,588,699	$9,780,473	$9,976,082	$10,175,604	$10,379,116	$95,095,918
TIP Bonds Reprogrammed from Prior Years	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Unprogrammed Prior Year Carryover	$0	$0	-$166,219	-$369,942	-$523,219	-$517,865	-$510,045	-$511,295	-$519,520	-$534,596	-$3,652,701
Carryover from FY 17	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Reimbursed TIP Funds (NVTA)	$462,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$462,000
Total TIP Revenues	**$9,146,780**	**$8,858,476**	**$8,869,426**	**$8,846,416**	**$8,877,466**	**$9,070,834**	**$9,270,428**	**$9,464,787**	**$9,656,084**	**$9,844,520**	**$91,905,217**

Summary of Operating Expenditures, Debt Service and Capital Projects

Transportation Improvement Program (TIP) Expenditure Overview	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 19-FY28
TIP Operating (Base + Expanded)	$5,130,864	$5,635,667	$5,749,055	$5,874,523	$6,002,118	$6,113,687	$6,227,532	$6,343,705	$6,462,258	$6,583,246	$60,122,655
TIP Operating - WMATA (Added FY 2016)	$1,740,612	$1,878,169	$1,098,466	$2,259,867	$1,122,386	$1,655,987	$1,488,839	$1,819,308	$1,650,892	$1,482,476	$16,197,003
TIP Capital Projects	$1,711,955	$924,348	$1,787,085	$700,157	$1,913,673	$1,477,543	$1,741,878	$1,506,690	$1,771,888	$1,787,486	$15,322,703
TIP Debt Service (2013 $6.75M Bond Issuance)	$563,349	$586,511	$604,761	$535,088	$357,154	$333,662	$323,474	$314,604	$305,642	$296,738	$4,220,983
Total TIP Expenditures	**$9,146,780**	**$9,024,695**	**$9,239,368**	**$9,369,636**	**$9,395,331**	**$9,580,879**	**$9,781,723**	**$9,984,307**	**$10,190,681**	**$10,149,946**	**$95,863,344**

Transportation Improvement Program (TIP)
Approved FY 2019 – FY 2028 Sources and Uses

Details of Operating Expenditures

Transportation Improvement Program (TIP) Operating Projects	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 19-FY28
Capital Bikeshare (Phases I & II)	$195,743	$198,679	$201,659	$204,684	$207,754	$210,871	$214,034	$217,244	$220,503	$223,811	$2,094,983
Bus Shelter Maintenance	$97,841	$99,309	$100,798	$102,310	$103,845	$105,402	$106,984	$108,588	$110,217	$111,870	$1,047,164
Metroway Maintenance	$60,000	$60,900	$61,814	$62,741	$63,682	$64,637	$65,607	$66,591	$67,590	$68,603	$642,163
Street Repair Budget	$842,781	$855,423	$868,255	$881,278	$894,498	$907,915	$921,534	$935,357	$949,387	$963,628	$9,020,056
DASH Expansion (AT 6, AT 8, AT 9 expansion implemented)	$1,681,451	$1,706,673	$1,732,273	$1,758,257	$1,784,631	$1,811,400	$1,838,571	$1,866,150	$1,894,142	$1,922,554	$17,996,100
Supplemental Trolley Operations	$210,025	$213,175	$216,372	$219,618	$222,912	$226,256	$229,650	$233,095	$236,591	$240,140	$2,247,834
Transportation Implementation Staff - T&ES Positions	$656,268	$675,956	$696,235	$717,122	$738,636	$760,795	$783,619	$807,127	$831,341	$856,281	$7,523,381
Capital Bikeshare Expansion Operations (Phase III and IV)	$248,165	$255,610	$263,278	$271,177	$279,312	$287,691	$296,322	$305,212	$314,368	$323,799	$2,844,934
DASH Expansion (AT 1 peak improvements)	$329,591	$334,534	$339,552	$344,646	$349,815	$355,063	$360,389	$365,794	$371,281	$376,851	$3,527,517
DASH Bus Future Expansion (AT 8 and AT 1 Weekend Headways)	0	$346,774	$351,976	$357,255	$362,614	$368,053	$373,574	$379,178	$384,865	$390,638	$3,314,928
Trail Maintenance	$10,000	$10,000	$20,000	$40,000	$60,000	$61,800	$63,654	$65,564	$67,531	$69,556	$468,105
King Street Station Operations	*0*	$63,654	$65,564	$67,531	$69,556	$71,643	$73,792	$76,006	$78,286	$80,635	$646,668
Indirect Costs to General Fund	$799,000	$814,980	$831,279	$847,905	$864,863	$882,160	$899,804	$917,800	$936,156	$954,879	$8,748,824
TIP Operating Costs (Base + Expanded)	**$5,130,864**	**$5,635,667**	**$5,749,055**	**$5,874,523**	**$6,002,118**	**$6,113,687**	**$6,227,532**	**$6,343,705**	**$6,462,258**	**$6,583,246**	**$60,122,655**

Details of Capital Projects

Transportation Improvement Program (TIP) Projects Capital Subsection	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 19-FY28
Public Transit											
Bus Shelters and Benches (TIP Cash)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
WMATA Capital Contributions (TIP Cash)	$424,000	$500,000	$1,100,000	$250,000	$0	$0	$0	$0	$0	$0	$2,274,000
Streets & Bridges											
Street Reconstruction & Resurfacing/Major Rd. (TIP Cash)	$0	$0	$0	$0	$700,000	$1,000,000	$1,000,000	$1,000,000	$1,000,000	$1,000,000	$5,700,000
High Street Construction (TIP Cash)	$0	$0	$0	$0	$500,000	$0	$0	$0	$0	$0	$500,000
Non-Motorized Transportation											
Complete Streets (TIP Cash)	$326,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$326,000
Van Dorn Multimodal Bridge (TIP Cash)	$300,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$300,000
Fixed Transportation Equipment											
Transportation Technologies (TIP Cash)	$250,000	$0	$250,000	$0	$250,000	$0	$250,000	$0	$250,000	$250,000	$1,500,000
Capitalized Positions											
Sustainability Coordinator (through Environmental Restoration)	$51,520	$53,100	$54,700	$56,300	$58,000	$59,700	$61,500	$63,400	$65,300	$67,200	$590,720
Transportation Implementation Staff - DPI Positions	$360,435	$371,248	$382,385	$393,857	$405,673	$417,843	$430,378	$443,290	$456,588	$470,286	$4,131,983
Total CIP Transportation Improvement Program	**$1,711,955**	**$924,348**	**$1,787,085**	**$700,157**	**$1,913,673**	**$1,477,543**	**$1,741,878**	**$1,506,690**	**$1,771,888**	**$1,787,486**	**$15,322,703**

Northern Virginia Transportation Authority (NVTA) – 30% Funds
Approved FY 2019 – FY 2028 Sources and Uses
Revenues, Operating Expenditures, and Capital Projects

Revenues/Expenditures	Approved FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 19 - 28
Revenues												
NVTA 30%	$6,813,000	$6,935,000	$7,060,000	$7,187,000	$7,316,000	$7,448,000	$7,582,000	$7,719,000	$7,858,000	$7,999,000	$8,143,000	$75,247,000
NVTA Adminstrative Costs[1]	($125,904)	($129,429)	($133,053)	($136,779)	($140,609)	($144,546)	($148,593)	($152,754)	($157,031)	($161,428)	($165,947)	($1,470,168)
Use of NVTA Fund Balance	$125,904	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Fund Balance Carryover	$0	$0	$182,571	$661,517	$963,739	$953	$534,407	$671,814	$1,263,061	$908,030	$606,603	$5,792,694
Subtotal, Available Revenue	**$6,813,000**	**$6,805,571**	**$7,109,517**	**$7,711,739**	**$8,139,130**	**$7,304,407**	**$7,967,814**	**$8,238,061**	**$8,964,030**	**$8,745,603**		**$70,985,871**
Capital Details												
DASH Bus Fleet Replacements	$3,250,000	$3,954,000	$2,854,000	$2,125,000	$2,700,000	$1,400,000	$2,100,000	$1,400,000	$1,400,000	$1,400,000	$1,400,000	$20,733,000
DASH Hybrid Bus and Trolley Battery Pack Replacement		$96,000	$521,000	$0	$0	$0	$0	$0	$0	$0	$0	$617,000
WMATA Capital Contributions	$1,200,000	$1,000,000	$1,500,000	$650,000	$1,500,000	$2,250,000	$2,000,000	$2,300,000	$2,300,000	$2,300,000	$2,300,000	$18,100,000
Subtotal, Capital Projects	**$4,450,000**	**$5,050,000**	**$4,875,000**	**$2,775,000**	**$4,200,000**	**$3,650,000**	**$4,100,000**	**$3,700,000**	**$3,700,000**	**$3,700,000**	**$3,700,000**	**$39,450,000**
Operating Details												
WMATA Subsidy	$2,363,000	$1,573,000	$1,573,000	$1,573,000	$1,466,177	$1,573,000	$1,573,000	$1,573,000	$1,573,000	$1,573,000	$1,573,000	$15,623,177
Transit Corridor "C" - West End Transitway Operations	$0	$0	$0	$2,400,000	$2,472,000	$1,547,000	$1,623,000	$1,702,000	$2,783,000	$2,866,000	$2,952,000	$18,345,000
Subtotal, Operating	**$2,363,000**	**$1,573,000**	**$1,573,000**	**$3,973,000**	**$3,938,177**	**$3,120,000**	**$3,196,000**	**$3,275,000**	**$4,356,000**	**$4,439,000**	**$4,525,000**	**$33,968,177**
Total, Operating & Capital	**$6,813,000**	**$6,623,000**	**$6,448,000**	**$6,748,000**	**$8,138,177**	**$6,770,000**	**$7,296,000**	**$6,975,000**	**$8,056,000**	**$8,139,000**	**$8,225,000**	**$73,418,177**

1. Member jurisdictions contribute to the Northern Virginia Transportation Authority Operating Budget and this contribution is deducted from the annual Local distribution or 30% funds.

Note: Legislation passed by the Virginia General Assembly to create a dedicated funding source for WMATA's capital program also included provisions that reduced the amount of NVTA 30% funds available to the City, as the City's share of the grantor's tax and the transient occupancy tax will be diverted to fund the state's increase in capital funding contributions to WMATA. As part of the FY 2020 CIP development process, staff will update the NVTA 30% spending plan to reflect the revenue still available to the City and the planned uses of these funds over a 10-year plan.

TRANSIT ACCESS & AMENITIES

DOCUMENT SUBSECTION:	Public Transit	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	Varies

Bus Shelters and Benches

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	5,675,680	3,597,078	152,400	203,079	823,123	500,000	400,000	0	0	0	0	0	2,078,602
Financing Plan													
CMAQ/RSTP	2,186,707	108,105	152,400	203,079	823,123	500,000	400,000	0	0	0	0	0	2,078,602
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
Prior City Funding	435,223	435,223	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	40,000	40,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	1,413,750	1,413,750	0	0	0	0	0	0	0	0	0	0	0
TIP	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	5,675,680	3,597,078	152,400	203,079	823,123	500,000	400,000	0	0	0	0	0	2,078,602
Additional Operating Impact	1,589,344	0	148,591	150,820	153,082	155,378	157,709	160,075	162,476	164,913	166,900	169,400	1,589,344

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project replaces existing bus shelters and free standing bus stop benches with new, enhanced infrastructure and passenger amenities. Many bus shelters and bus stop benches throughout the City are several decades old and have exceeded their useful life. The redesigned City standard shelter offers 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 and new bus stops that bring the stops into compliance with ADA standards.

The project also includes future funding for real-time information signs at key, high-ridership shelters throughout the City. Real-time information has been shown to increase ridership, and the increase in passenger fare revenue is likely to offset the cost of enhancing the capital infrastructure. The project is primarily funded by federal and state grant funds that cover the manufacture and installation of the bus shelters, as well as the necessary concrete pad.

Once all the shelters have been completed, they will offer an enhanced environment for passengers. Additionally, the shelter design includes clear glass panels to improve line of sight and safety. The project will replace old wooden benches with new metal and/or composite benches which are easier to maintain.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

City of Alexandria Transit Development Plan

ADDITIONAL OPERATING IMPACTS

Additional operating impacts for bus shelters and benches include maintenance and cleaning of bus shelters and bus stop benches. Future real time information systems will require additional operating and maintenance funding.

DASH BUS FLEET REPLACEMENTS

DOCUMENT SUBSECTION:	Public Transit	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	40,468,000	17,010,000	3,954,000	3,529,000	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	23,458,000
Financing Plan													
Cash Capital	4,125,000	1,400,000	0	675,000	675,000	675,000	700,000	0	0	0	0	0	2,725,000
GO Bonds	150,000	150,000	0	0	0	0	0	0	0	0	0	0	0
NVTA 30% Funds	35,033,000	14,300,000	3,954,000	2,854,000	2,125,000	2,700,000	1,400,000	2,100,000	1,400,000	1,400,000	1,400,000	1,400,000	20,733,000
Prior Year/Close-Out	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
TIP	660,000	660,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	40,468,000	17,010,000	3,954,000	3,529,000	2,800,000	3,375,000	2,100,000	2,100,000	1,400,000	1,400,000	1,400,000	1,400,000	23,458,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Funding totaling $617,000 transferred in FY 2019 and FY 2020 to the Hybrid Battery Pack Replacement Project. Expenditure budget for FY 2021 – FY 2028 is To-Be-Determined (TBD), pending the strategy the City chooses for Bus Fleet Electrification.

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. Buses have a 12-year lifespan.

Based on a recent recommendation by the ATC Board of Directors, DASH will be discontinuing its previous practice of purchasing hybrid-propulsion buses to fulfull its fleet replacement needs. Beginning in FY 2018, DASH began purchasing clean diesel buses in an effort to reduce costs and improve fleet reliability. With the switch to clean diesel buses, DASH will also be 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 useful life. Near-term cost savings realized from the change from hybrid to clean diesel in FY 2019 and FY 2020 will be redirected to the DASH Hybrid Battery Pack Replacement CIP project.

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 currently proposing a gradual change from clean diesel to electric buses, with a goal to begin as soon as FY 2021 if grant funding comes available. Staff is currently planning a transition study to assess life-cycle costs and other needs associated with moving to an all-electric fleet by approximately FY 2027. Future CIP funding reqests can be expected from the transition since the up-front cost of an electric bus is higher than a clean diesel. As with hybrid buses, electric buses also 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 FY 2027 and beyond.

Lastly, in conjunction with the Facility & Fleet Expansion project, DASH will seek additional funds to upgrade the planned garage expansion and existing bus facility to include electric infrastructure and equipment to accommodate the new electric vehicles. Both the Battery Pack Replacement and the Facility & Fleet Expansion are included as separate CIP projects.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENTION	ADDITIONAL OPERATING IMPACTS
Eco-City Charter	No additional operating impacts identified at this time.

DASH ELECTRONIC FARE PAYMENT

DOCUMENT SUBSECTION:	Public Transit	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,200,000	0	0	450,000	750,000	0	0	0	0	0	0	0	1,200,000
Financing Plan													
CMAQ/RSTP	1,200,000	0	0	450,000	750,000	0	0	0	0	0	0	0	1,200,000
Total Financing Plan	1,200,000	0	0	450,000	750,000	0	0	0	0	0	0	0	1,200,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The current regional SmarTrip program is nearing the end of its useful life. Alexandria Transit, along with the rest of the regional transit partners, will work towards the development of a new fare payment system. 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.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

DASH FACILITY AND FLEET EXPANSION

DOCUMENT SUBSECTION:	Public Transit	PROJECT LOCATION:	3000 Business Center Drive
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	30-40 Years

DASH Facility and Fleet Expansion

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	11,135,000	0	397,000	0	1,366,000	4,531,000	4,841,000	0	0	0	0	0	11,135,000
Financing Plan													
State/Federal Grants	11,135,000	0	397,000	0	1,366,000	4,531,000	4,841,000	0	0	0	0	0	11,135,000
Total Financing Plan	11,135,000	0	397,000	0	1,366,000	4,531,000	4,841,000	0	0	0	0	0	11,135,000

CHANGES FROM PRIOR YEAR CIP

This is a new project added to the CIP in FY 2019.

PROJECT DESCRIPTION & JUSTIFICATION

The DASH Facility and Fleet Expansion project consists of two components:

1. The addition of new bus parking and storage facility 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, and to provide adequate space for simultaneously receiving new bus orders and de-commissioning the vehicles that are being replaced.
2. The addition of six new buses to improve service frequency along key City transit corridors. These six buses will be used to implement service improvements in key development areas such as the Van Dorn Street corridor, Eisenhower Avenue, and/or Potomac Yard, depending on the results of the upcoming Alexandria Transit Vision Plan and future budget deliberations.

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. Staff is also beginning the Alexandria Transit Vision Plan, which will reshape the transit network with the goal of increasing ridership, improving cost efficiency, and designing a new bus network that will better serve the current and future needs of the city and region. 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 also optimize the City's capacities to retire old buses and intake new buses in efforts to maintain State of Good Repair. As part of the bus retirement buses, 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.

The full funding request for this project has been awarded through the FY 2018 SMART SCALE program and is included in the VDOT FY 2018- FY 2023 Six-Year Improvement Program (SYIP).

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION	ADDITIONAL OPERATING IMPACTS
N/A	No additional operating impacts identified at this time.

DASH HYBRID BUS AND TROLLEY BATTERY PACK REPLACEMENT

DOCUMENT SUBSECTION:	Public Transit	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	0 - 5 Years

DASH Hybrid Bus and Trolley Battery Pack Replacement

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	5,250,000	450,000	300,000	900,000	350,000	400,000	500,000	550,000	450,000	450,000	450,000	450,000	4,800,000
Financing Plan													
Cash Capital	4,633,000	450,000	204,000	379,000	350,000	400,000	500,000	550,000	450,000	450,000	450,000	450,000	4,183,000
NVTA 30% Funds	617,000	0	96,000	521,000	0	0	0	0	0	0	0	0	617,000
Total Financing Plan	5,250,000	450,000	300,000	900,000	350,000	400,000	500,000	550,000	450,000	450,000	450,000	450,000	4,800,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Funding total $617,000 transferred from the DASH Bus Fleet Replacement project in FY 2019 and FY 2020.

PROJECT DESCRIPTION & JUSTIFICATION

In FY 2010, the City began purchasing buses and trolleys with hybrid technology instead of diesel vehicles. Hybrid-propulsion buses have vehicle battery packs must be replaced every five to seven years, so this project ensures that the packs will be replaced on schedule to maintain the reliability and longevity of the Alexandria Transit Company (ATC) fleet. The packs cost approximately $50,000 each. Replacement schedule for the hybrid battery packs may be modified as necessary, based on the actual vehicle purchase schedule.

FY 2019 and FY 2020 NVTA 30% funds were redirected from the DASH Bus Fleet Replacement project to fund battery packs. These additional funds will allow DASH to catch up on its hybrid battery pack replacement schedule and achieve State of Good Repair for its hybrid battery packs.

Based on a recent recommendation by the ATC 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. Over the long-term it is probable that the City will switch to electric powered buses once this new technology proves its reliability and its costs (now about twice the price of a clean diesel bus) drop significantly.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eco-City Charter

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

DASH TECHNOLOGY

DOCUMENT SUBSECTION:	Public Transit	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	16 - 20 Years

DASH Technology

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	800,000	0	200,000	0	0	0	600,000	0	0	0	0	0	800,000
Financing Plan													
CMAQ/RSTP	800,000	0	200,000	0	0	0	600,000	0	0	0	0	0	800,000
Total Financing Plan	800,000	0	200,000	0	0	0	600,000	0	0	0	0	0	800,000
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 $200,000 added in FY 2019.

PROJECT DESCRIPTION & JUSTIFICATION

The project will fund DASH technology initiatives such as transportation scheduling software which allows the transit agency to better design and schedule bus routes, in a more data driven manner.

Other initiatives include design and infrastructure preparation for the DASH facility for compatibility of new technology systems.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

EISENHOWER 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
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	30+ Years

Eisenhower Metrorail Station Improvements

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	6,566,314	6,566,314	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	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	5,924,314	5,924,314	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
Total Financing Plan	6,566,314	6,566,314	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	152,385	0	0	15,000	15,450	15,913	16,391	16,883	17,389	17,911	18,448	19,000	152,385

CHANGES FROM PRIOR YEAR CIP

Prior year funding in the amount of $250,000 transferred to this project from the Van Dorn Metrorail Station Area Improvement project.

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 Metrorail station. To permit large mixed-use development in this area, new streets must be built and utilities relocated. The existing Eisenhower Metrorail station entrance is approved to be modified to accommodate the development.

The City of Alexandria has an agreement with adjacent developers and WMATA that addresses improvements at the Eisenhower 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.

Based on cost estimates for the City's portion, this project is fully funded, primarily through grant funding totaling $5.92 million of the $6.32 million total project costs. Private (development) capital contributions will also contribute $350,000 of the total project budget.

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	ADDITIONAL OPERATING IMPACTS
Eisenhower East Small Area Plan	Additional maintenance of the plaza adjacent to the Station entrance.

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.
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	30+ Years

King Street Metrorail Station Area Improvements

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	12,323,706	12,023,000	300,706	0	0	0	0	0	0	0	0	0	300,706
Financing Plan													
State/Federal Grants	8,548,706	8,248,000	300,706	0	0	0	0	0	0	0	0	0	300,706
TIP	3,775,000	3,775,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	12,323,706	12,023,000	300,706	0	0	0	0	0	0	0	0	0	300,706
Additional Operating Impact	640,914	0	0	63,000	64,890	66,836	68,841	70,907	73,934	75,225	77,481	79,800	640,914

CHANGES FROM PRIOR YEAR CIP

Funding in the amount of $308,000 added in FY 2019.

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 segregate 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.

The project has been approved by the Transportation Commission, City Council, and Planning Commission. The project is currently in the procurement phase. Total project funding of $12.33 million includes $8.56 million in grant funding and $3.78 million in Transportation Improvement Program (TIP) funding. Additional state funding was added in FY 2019 to ensure adequate contingency funding.

The project has seen some changes from the original overall cost based on WMATA project management costs, unexpected utility conflicts, grading, and a pedestrian walkway needed for the site.

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.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eco-City Charter

ADDITIONAL OPERATING IMPACTS

Funding for ongoing maintenance is identified in the TIP. City-led maintenance will begin following the completion of construction.

POTOMAC YARD METRORAIL STATION

DOCUMENT SUBSECTION:	Public Transit	PROJECT LOCATION:	Potomac Yard
MANAGING DEPARTMENT:	Department of Project Implementation	REPORTING AREA:	Potomac Yard/Potomac Greens, North Potomac Yard
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	30+ Years

Potomac Yard Metrorail Station

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	335,864,325	335,864,325	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
GO Bonds (Potomac Yard)	179,000,000	179,000,000	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	35,225,000	35,225,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	1,000,000	1,000,000	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
WMATA Credits	1,139,325	1,139,325	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	335,864,325	335,864,325	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	23,414,567	0	0	0	1,395,000	2,873,700	2,959,911	3,048,708	3,140,169	3,234,374	3,331,405	3,431,300	23,414,567

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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. 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 May 2018, City Council amended the City Code to place a sunset clause on the Tier II Special Tax District, contingent on City receipt of at least $14.6 million in right-of-way fees from Dominion Energy's planned 230kV transmission line project.

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. This marked the last step in the review process under the National Environmental Policy Act. The project is currently in the WMATA procurement phase for a design-build contract. The projected WMATA Contract Award timeframe is in the summer of 2018, with construction planned to commence later in 2019.

Alternative B was originally budgeted at $268.0 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. The total project construction costs are expected to equal $320 million, including WMATA project costs of $290 million and City managed costs of $30 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 remaining $200 million is expected to be comprised of a combination of Potomac Yard funded cash capital, long term General Obligation (GO) bonds, and a loan from the U.S. Department of Transportation (USDOT) Build America Bureau, formerly known as a Transportation Infrastructure Finance and Innovation Act "TIFIA" loan. Both the VTIB loan and the TIFIA loan will be structured to include about $10 million in "capitalized interest." This enables the City to align the repayment more closely with the tax revenue growth associated with the Potomac Yard area.

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 $2.79 million per year. A half year cost is assumed for FY 2021 and full-year (plus inflation) is assumed for FY 2022 onward. The Potomac Yard Station fund revenues are projected to fund this cost.

VAN DORN METRORAIL STATION AREA IMPROVEMENTS

DOCUMENT SUBSECTION:	Public Transit	PROJECT LOCATION:	5690 Eisenhower Ave.
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Eisenhower West
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	30+ Years

Van Dorn Metrorail Station Area Imprv.

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,181,000	2,181,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
CMAQ/RSTP	1,356,000	1,356,000	0	0	0	0	0	0	0	0	0	0	0
TIP	825,000	825,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,181,000	2,181,000	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

Prior year funding in the amount of $250,000 transferred from this project to the Eisenhower Metrorail Station Improvements project.

PROJECT DESCRIPTION & JUSTIFICATION

This project will fund a set of improvements to the existing Kiss-and-Ride and bus loading area at the Van Dorn Metrorail Station to enhance access to the station for all modes of transit. Van Dorn Metro Station has one of the highest rates of shuttle usage within the City, with many people accessing the station through private shuttles.

The catalyst behind this is the activity from the private residential shuttles in addition to the DASH and WMATA services that occupy the stations during peak and non-peak hours. Based on the activity and the current configuration, the kiss-and-ride space of the station is no longer able to support the function of Kiss-and-Ride and the increased activity of private shuttle traffic. The lack of space is becoming a safety issue for vehicles and passengers/pedestrians.

The improvements to the Van Dorn Metrorail Station will redesign the Kiss-and-Ride area to better accommodate the large number of private shuttle buses serving the station.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

West End Transitway Project

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

WMATA CAPITAL CONTRIBUTIONS

DOCUMENT SUBSECTION:	Public Transit	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	375,751,034	121,279,579	16,471,455	30,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	254,471,455
Financing Plan													
Cash Capital	297,000	297,000	0	0	0	0	0	0	0	0	0	0	0
GO Bond Interest Earnings	3,049,455	500,000	299,455	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,549,455
GO Bonds	160,781,000	19,233,000	14,748,000	17,750,000	14,000,000	14,000,000	13,500,000	13,750,000	13,450,000	13,450,000	13,450,000	13,450,000	141,548,000
NVTA 30% Funds	23,050,000	4,950,000	1,000,000	1,500,000	650,000	1,500,000	2,250,000	2,000,000	2,300,000	2,300,000	2,300,000	2,300,000	18,100,000
Prior City Funding	93,189,579	93,189,579	0	0	0	0	0	0	0	0	0	0	0
TBD Dedicated Revenue Source	90,000,000	0	0	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	90,000,000
TIP	5,384,000	3,110,000	424,000	500,000	1,100,000	250,000	0	0	0	0	0	0	2,274,000
Total Financing Plan	375,751,034	121,279,579	16,471,455	30,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	254,471,455
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Funding adjusted in FY 2019 to account for prior year balances and credits held by WMATA. See following page.

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 $8.5 billion for FY 2019 – FY 2024. For FY 2019, WMATA's capital improvement budget is $1.3 billion, of which Alexandria's portion is $29.7 million. The Approved CIP fully funds this this request in FY 2019.

This spring, 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. The finalized details and plan for the dedicated funding, including the local impact on NVTA 30% funds, were not available at the time in which the City approved its FY 2019 capital budget. As part of the FY 2020 CIP development process, City staff will update the 10 year plan for WMATA Capital Contributions to reflect the impact of the new dedicated funding.

For FY 2019, the City's portion of the dedicated revenue can be largely used to reduce the amount of local funding used to pay the WMATA Capital subsidy.

The City also assumes the use of $4.0 million of NVTC FY 2019 fund balance to support WMATA Capital Contributions. This funding source is not appropriated by the City. The table on the following page provides a more detailed overview of the City's FY 2019 funding plan for its portion of the WMATA Capital subsidy.

For FY 2019, WMATA and participating jurisdictions anticipate entering into a one-year Capital Funding Agreement.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

WMATA Capital Contributions (continued)

Detailed FY 2019 Funding Plan (reflects the 2018 Virginia General Assembly WMATA capital dedicated funding decisions)

Funding Source		FY 2019 Amount
City Appropriated Sources		
TIP	$	379,124
Subtotal	$	379,124
Previously Appropriated Funding Sources		
Reprogrammed TIP Funds	$	326,000
GO Bonds Planned for WMATA in FY 2018	$	5,396,596
Subtotal	$	5,722,596
Sources Not Appropriated by the City		
NVTC Fund Balance	$	1,600,000
WMATA Credit (2017 Bond Premium)	$	3,505,949
Subtotal	$	5,105,949
FY 2019 Funding Sources Grand Total	**$**	**11,207,669**
Alexandria Portion of WMATA Capital Subsidy Request	$	11,207,669

Note: Due to the impact of recently passed state legislation, the City may not need to use the entirety of the planned funding for the WMATA Capital Contributions in FY 2019, which will allow the City to reduce its FY 2019 GO Issuance amount.

ROUTE 1 TRANSITWAY FARE PAYMENT TECHNOLOGY

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
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	11 - 15 Years

Route 1 Transitway Fare Payment Technology

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,454,491	0	500,000	500,000	454,491	0	0	0	0	0	0	0	1,454,491
Financing Plan													
CMAQ/RSTP	1,454,491	0	500,000	500,000	454,491	0	0	0	0	0	0	0	1,454,491
Total Financing Plan	1,454,491	0	500,000	500,000	454,491	0	0	0	0	0	0	0	1,454,491
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project will provide off-board fare collection for the Metroway service. Currently, there are ongoing regional discussions to determine the next fare collection system. Once a new fare system is agreed upon by the region, this funding will be needed to implement the new technology on the Metroway corridor.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan; WMATA Momentum

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

TRANSIT CORRIDOR "B" - DUKE STREET (INCL. DUKE ST COMPLETE ST)

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
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	30+ Years

Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	19,250,000	250,000	0	0	0	2,000,000	3,000,000	14,000,000	TBD	TBD	TBD	0	19,000,000
Financing Plan													
NVTA 70% Funds	250,000	250,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	19,000,000	0	0	0	0	2,000,000	3,000,000	14,000,000	0	0	0	0	19,000,000
Total Financing Plan	19,250,000	250,000	0	0	0	2,000,000	3,000,000	14,000,000	0	0	0	0	19,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

Consistent with the 2008 Transportation Master Plan, this project will construct a 4-mile segment of the high-capacity Transitway in dedicated lanes along the Duke Street/Eisenhower Avenue corridor between the western City limit and Old Town.

On Sept 17, 2011, Council adopted the High Capacity Transit Corridor Work Group recommendation for a two-phased implementation of the Transitway. The first phase would create dedicated transit lanes in existing six-lane sections of Duke Street between Landmark Mall and Jordan Street and between Roth Street and Diagonal Road. Between Jordan Street and Roth Street transit would operate in mixed flow.

Based on a refined concept design for the project, the current cost estimate is $116 million which includes planning, environmental, design, right-of-way acquisition, utility relocation, construction, and rolling stock. Significant private (development) capital contributions, regional funding sources and/or Federal funds will likely be required to move this project to the construction phase in future years.

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

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

TRANSIT CORRIDOR "C" - WEST END TRANSITWAY – NORTHERN SEGMENT

DOCUMENT SUBSECTION:	High Capacity Transit Corridors	PROJECT LOCATION:	Van Dorn/Beauregard Corridor
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Beauregard
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	30+ Years

Transit Corridor "C" - West End Transitway

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	133,101,000	5,400,000	250,000	250,000	30,967,000	33,055,000	35,979,000	2,600,000	12,100,000	12,500,000	0	0	127,701,000
Financing Plan													
Developer Contribution	27,200,000	0	0	0	0	0	0	2,600,000	12,100,000	12,500,000	0	0	27,200,000
NVTA 70% Funds	62,640,000	2,400,000	250,000	250,000	20,000,000	20,000,000	19,740,000	0	0	0	0	0	60,240,000
State/Federal Grants	41,161,000	900,000	0	0	10,967,000	13,055,000	16,239,000	0	0	0	0	0	40,261,000
TIP	2,100,000	2,100,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	133,101,000	5,400,000	250,000	250,000	30,967,000	33,055,000	35,979,000	2,600,000	12,100,000	12,500,000	0	0	127,701,000
Additional Operating Impact	15,524,184	0	0	0	0	0	2,400,000	2,472,000	2,546,160	2,622,545	2,701,221	2,782,258	15,524,184

CHANGES FROM PRIOR YEAR CIP

Funding plan revised to match latest estimates/planning for regional, state, and federal grant applications.

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 construct a high-capacity Transitway in dedicated lanes along portions of the corridor between the Van Dorn Metrorail station and the border with Arlington. This investment will support the development approved in the Landmark/Van Dorn Small Area Plan and the Beauregard Corridor Small Area Plan by providing increased transit options for local, regional, and commuter trips.

On March 29, 2016, City Council passed a motion to re-concur with the project LPA (Locally Preferred Alternative) and advance the project into the design phase. The City received $2.4 million from NVTA in FY 2016 to initiate the design phase.

A preliminary cost estimate was developed during the Transitway Corridors Feasibility Study; the cost estimate is approximately $120 - $140 million which includes design, right-of-way acquisition, utility relocation, construction, and rolling stock. The overall project has increased due to changes related to right of way acquisition. Under the Beauregard SAP, it was anticipated that redevelopment of multiple parcels along the North Beauregard corridor would provide right of way to the City at no cost. The project is being divided into two phases: the Northern Segment (from Landmark Mall to the Pentagon) and the Southern Segment (Landmark Mall to Van Dorn Metrorail station). Ongoing Design work is focused on the Northern Segment.

Additional NVTA 70% funding for construction has not yet been approved by NVTA. The City will also seek federal funding (including, but not limited to, FTA Small Starts, TIGER, or TIFIA). NVTA 70% funds and Federal funds are highly competitive and are not guaranteed. Without these substantial Federal funds and development contributions, construction will be unable to commence, or will have to be phased.

In June 2017, the Commonwealth Transportation Board (CTB) awarded the City $10.1 million in SMART SCALE funding in FY 2021 – FY 2023. These funds will be used to leverage applications for NVTA 70% and FTA funds.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Landmark / Van Dorn Corridor Study; Beauregard Small Area Plan; Eisenhower East Small Area Plan

ADDITIONAL OPERATING IMPACTS

The operating costs are a preliminary estimate based on the proposed service patterns. Other cost factors will include span of service and operator. FY 2023 funds include $1 million in CMAQ funds for operating costs.

BACKLICK RUN MULTI-USE PATHS

DOCUMENT SUBSECTION:	Non-Motorized Transportation	PROJECT LOCATION:	Backlick Run Trail Phase I - from Boothe Park to Van Dorn St.
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

Backlick Run Multi-Use Paths

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	6,229,000	0	1,918,000	0	0	2,210,000	2,101,000	0	0	0	0	0	6,229,000
Financing Plan													
CMAQ/RSTP	1,918,000	0	1,918,000	0	0	0	0	0	0	0	0	0	1,918,000
State/Federal Grants	4,311,000	0	0	0	0	2,210,000	2,101,000						4,311,000
Total Financing Plan	6,229,000	0	1,918,000	0	0	2,210,000	2,101,000	0	0	0	0	0	6,229,000
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 most recent version of Virginia Department of Transportation (VDOT) Six-Year Improvement Program (SYIP). Prior year funding in the amount of $934,000 will be added to this project through the Spring 2018 Supplemental Appropriation Ordinance.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding to design and construct the first phase of a shared-use path along Backlick Run from Boothe Park, west to Van Dorn Street. This project is a high priority project in the Transportation Master Plan, the Pedestrian and Bicycle Master Plan, and is also a recommendation of the Eisenhower West Small Area Plan. Once complete, the trail will help better connect the far west side of the City with the Mount Vernon Trail and the existing trail network in the Ben Brennan Park and Eisenhower Valley. Phase II of the Backlick Run Trail will run from the Van Dorn Street bridge west to Fairfax County Line.

Funding for phase I of this project was secured through a CMAQ/RSTP grant. Design and construction is funded through $2.12 million in CMAQ/RSTP grant funds, and $5.04 million from Smart Scale funds for a total of $7.16 million.

Completion of this project will provide increased multimodal connectivity, because it links the City's trail network to the Van Dorn Metro Station. Helping to fulfill the Eco-City initiative, this project will provide options for non-motorized transportation as well as improve access to transit. The trail will encourage more walking, biking, and transit use, thereby helping to reduce carbon emissions and improving health.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION	ADDITIONAL OPERATING IMPACTS
Eisenhower West Small Area Plan; Landmark Van Dorn Corridor Plan; Transportation Master Plan (Pedestrian and Bicycle Chapter)	No additional operating impacts identified at this time.

BICYCLE PARKING AT TRANSIT

DOCUMENT SUBSECTION:	Non-Motorized Transportation	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	505,000	505,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
CMAQ/RSTP	505,000	505,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	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

This merges together two previous CIP projects: “Bicycle Parking at Metro Stations” and “Bicycle Parking Citywide”.

PROJECT DESCRIPTION & JUSTIFICATION

Bicycle commuting has grown as a viable option 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 bicycle commuting through the provision of bicycle parking facilities at transit stops and demand locations proximate to transit.

The majority of improvements funded through this project are 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. Previously, the title for this project was "Bicycle Parking at Metro Stations". Over the past year the project absorbed funds from a separate bicycle parking project entitled "Bicycle Parking Citywide". The project consolidation was performed in order to expedite the implementation of facilities. Throughout FY 2019, staff will coordinate with the Virginia Department of Transportation for the approval of a Programmatic Categorical Exclusion. The City anticipates the project will be advertised during Q1 of FY2019.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

T&ES Strategic Plan; Transportation Master Plan; Pedestrian and Bicycle Master Plan

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

BRAC & CENTRAL CITY NEIGHBORHOOD PROTECTION PLAN

DOCUMENT SUBSECTION:	Non-Motorized Transportation	PROJECT LOCATION:	BRAC-133 Vicinity
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Beauregard
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	Varies

BRAC & Central City Neighborhood Protection Plan

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,035,000	1,035,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	150,000	150,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	285,000	285,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	500,000	500,000	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
Total Financing Plan	1,035,000	1,035,000	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 financial changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The federal Department of Defense BRAC-133 facility opened at the Mark Center in the fall of 2011 and was constructed to house 6,100 employees. Funding for this project was set aside by City Council to address any traffic issues resulting from commuter travel to the BRAC 133 facility.

Beginning in 2015, and using funding from this project, the City undertook the Central Alexandria Traffic Study to analyze the impacts of regional cut through traffic (including BRAC-related traffic) on the City's residential roadways. This study is expected to be completed with mitigation recommendations in FY 2018. Remaining funding from this project will go toward Central Alexandria Traffic Study short-term (low-cost) mitigation recommendations. Implementation of mitigation measures is expected to begin in late FY 2018 and continue through FY 2019 and possibly beyond depending on scope.

Staff expects that future mitigation (mid- and long-term capital improvements) will be required and projects considered in a planned update of the City's Transportation Master Plan. Funding for mid- and long-term mitigation projects not currently within the City's transportation plan may need to be incorporated in City and/or regional plans before consideration in future budget processes.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

CAMERON & PRINCE BICYCLE & PEDESTRIAN FACILITIES

DOCUMENT SUBSECTION:	Non-Motorized Transportation	PROJECT LOCATION:	Cameron St. and Prince St.
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Old Town
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	300,000	300,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
NVTA 30% Funds	300,000	300,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	300,000	300,000	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project improves the non-motorized transportation network with the installation of bicycle facilities and pedestrian improvements from the King Street Metro Station to the Waterfront along Cameron and Prince Streets. 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.

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 designated space on the roadway for cyclists as well as additional bicycle parking opportunities along the corridor.

Funding was provided in FY 2016 through NVTA 30% funds. Concepts for enhanced pedestrian and bicycle safety were developed in FY 2016. Construction of the bicycle facilities were implemented in FY 2017. Improvements to Daingerfield Road and Diagonal Road remain pending the King Street Metrorail Station Area Improvements project. The improvements are expected to be made in FY 2019 and FY 2021, respectively.

This project helps to promote pedestrian, bicycling, and transit use, thereby helping to reduce carbon emissions and improving health.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Pedestrian and Bicycle Master Plan, Strategic Plan

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

CAPITAL BIKESHARE

DOCUMENT SUBSECTION:	Non-Motorized Transportation	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	5,116,522	3,346,522	368,000	402,000	350,000	400,000	250,000	0	0	0	0	0	1,770,000
Financing Plan													
CMAQ/RSTP	3,169,000	1,399,000	368,000	402,000	350,000	400,000	250,000	0	0	0	0	0	1,770,000
Private Capital Contributions	130,000	130,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	1,817,522	1,817,522	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	5,116,522	3,346,522	368,000	402,000	350,000	400,000	250,000	0	0	0	0	0	1,770,000
Additional Operating Impact	10,161,313	0	692,000	826,000	972,000	1,001,160	1,031,195	1,062,131	1,093,995	1,126,814	1,160,619	1,195,400	10,161,313

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

Public bicycle transit or "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 either registering online, by phone, or at a station. Successful bike share 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, and mixed use development.

Capital Bikeshare is a regional system with stations in the District of Columbia, Arlington County, VA, Fairfax County, VA, 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. In Summer 2018, eleven more stations will be added to the system for a total of 42 stations.

Stations are located in areas suggested by the public, mixed-use activity centers, near major transit stops and are typically spaced one quarter mile apart. Capital costs for stations and bicycles range depending on size of station and number of docks.

Bikeshare access to transit and other activity centers support the well- being of families by allowing more transportation choices that help to provide flexibility to residents. It will encourage more transit use, 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. The operating contract was renewed at the end of FY 2016, which resulted in a reduced cost per station, but as more stations are added, there will be an overall increase to operating costs.

COMPLETE STREETS

DOCUMENT SUBSECTION:	Non-Motorized Transportation	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	19,644,310	10,179,310	1,545,000	1,130,000	1,130,000	830,000	830,000	830,000	830,000	680,000	830,000	830,000	9,465,000
Financing Plan													
Cash Capital	9,221,000	2,331,000	970,000	630,000	630,000	630,000	630,000	630,000	830,000	480,000	630,000	830,000	6,890,000
GO Bonds	2,849,000	600,000	249,000	500,000	500,000	200,000	200,000	200,000	0	200,000	200,000	0	2,249,000
Prior City Funding	6,918,310	6,918,310	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	320,000	320,000	0	0	0	0	0	0	0	0	0	0	0
TIP	326,000	0	326,000	0	0	0	0	0	0	0	0	0	326,000
Total Financing Plan	19,644,310	10,179,310	1,545,000	1,130,000	1,130,000	830,000	830,000	830,000	830,000	680,000	830,000	830,000	9,465,000
Additional Operating Impact	687,833	0	60,000	61,800	63,654	65,564	67,531	69,556	71,643	73,792	76,006	78,286	687,833

CHANGES FROM PRIOR YEAR CIP

Funding in total of $975,000 is added in FY 2019 – FY 2021 for priority improvements identified in the Vision Zero Action Plan.

PROJECT DESCRIPTION & JUSTIFICATION

This program funds capital infrastructure improvements to the non-motorized transportation network, including sidewalks, curbs, pedestrian crossings, on-street bicycle facilities, bicycle parking, and access ramps throughout the City. The implementation of these improvements is coordinated with the City's annual street resurfacing programs. These improvements also ensure compliance with federal regulations that mandate accessibility improvements in all street alteration projects and allows the city to comply with the Commonwealth Transportation Board adopted “Policy for Integrating Bicycle and Pedestrian Accommodations.”

Additional funding of $375,000 is being included in FY 2019 for Year One priority engineering improvement projects in the recently-adopted Vision Zero Action Plan. These projects may include intersection re-design and construction, infrastructure upgrades like pedestrian walk signals, improved crosswalks, curb ramps and other accessibility improvements, 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.

This project addresses missing multimodal infrastructure and requires engineering and design, in addition to construction funding for many of the initiatives to be completed.

In FY 2019, one Urban Planner III and one Principal Planner position will be funded from this capital project, providing direct support to the implementation of capital projects associated with Vision Zero and Complete Streets initiatives.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan; Pedestrian and Bicycle 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

Operating impact includes sidewalk maintenance, pavement marking re-striping for crosswalks and on-street bicycle facilities, access ramp maintenance, signs, and signal maintenance and is estimated to be up to $60,000 in FY 2019.

Complete Streets (continued)

Complete Streets FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Complete Street staffing	$281,000
Safe Routes to Schools	$47,000
Speed Cushion Program for Qualifying Streets	$22,000
Pedestrian Case Study Area Recommendations in Pedestrian / Bicycle Master Plan	$50,000
Data Collection and Technology	$10,000
Roadway Resurfacing Complete Streets Projects - Design / Construction	$160,000
Pedestrian Signals and Technology Citywide	$30,000
Residential Sidewalk Program for Qualifying Streets	$30,000
Roadway Resurfacing Sidewalk Projects	$50,000
Annual ADA Sidewalk curbs and ramp and bus stop improvements	$20,000
Ongoing Crosswalk and Marking upgrades	$40,000
Citywide Bicycle Rack Installation	$5,000
Bicycle and Pedestrian Improvement Study	$340,000
Priority project recommendations in Pedestrian and Bicycle Master Plan	$85,000
Design funds for Vision Zero Implementation	$375,000
Total Fiscal Year 2019	**$1,545,000**

Fiscal Year 2020	
Description	Amount
Complete Street staffing	$288,000
Safe Routes to Schools	$50,000
Speed Cushion Program for Qualifying Streets	$22,000
Pedestrian Case Study Area Recommendations in Pedestrian / Bicycle Master Plan	$80,000
Data Collection and Technology	$15,000
Roadway Resurfacing Complete Streets Projects - Design / Construction	$90,000
Pedestrian Signals and Technology Citywide	$40,000
Residential Sidewalk Program for Qualifying Streets	$50,000
Pedestrian Case Study Area Recommendations in Pedestrian / Bicycle Master Plan	$60,000
Roadway Resurfacing Sidewalk Projects	$50,000
Annual ADA Sidewalk curbs and ramp and bus stop improvements	$40,000
Ongoing Crosswalk and Marking upgrades	$40,000
Citywide Bicycle Rack Installation	$5,000
Vision Zero Safety Improvement Implementation and Design	$300,000
Total Fiscal Year 2020	**$1,130,000**

Complete Streets (continued)

Complete Streets FY 2019 – FY 2021 Project List (continued)

Fiscal Year 2021	
Description	Amount
Complete Street Staffing	$ 288,000
Safe Routes to Schools - Project Implementation	$ 50,000
Speed Cushion Program for qualifying streets	$ 22,000
Pedestrian Case Study Area Recommendations in Pedestrian & Bicycle Master Plan	$ 80,000
Data Collection and Technology	$ 15,000
Roadway Resurfacing Complete Street Projects - Design & Construction	$ 90,000
Pedestrian Signals & Technology Citywide	$ 40,000
Priority Project Recommendations in Pedestrian & Bicycle Master Plan	$ 60,000
Residential Sidewalk Program for Qualifying Streets	$ 50,000
Roadway Resurfacing Sidewalk Projects	$ 50,000
Annual ADA sidewalk, curb ramp and bus stop improvements - Citywide	$ 40,000
Ongoing Crosswalk and Marking upgrades	$ 40,000
Citywide Bicycle Rack installation	$ 5,000
Vision Zero Safety Improvement Implementation and Design	$300,000
Total Fiscal Year 2021	**$ 1,130,000**

HOLMES RUN GREENWAY TRAIL

DOCUMENT SUBSECTION:	Non-Motorized Transportation	PROJECT LOCATION:	N. Ripley St. to I-395
MANAGING DEPARTMENT:	Department of Project Implementation	REPORTING AREA:	Seminary Hill/Landmark/Van Dorn
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	21 - 25 Years

Holmes Run Greenway

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	4,352,402	4,352,402	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	34,800	34,800	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	3,317,602	3,317,602	0	0	0	0	0	0	0	0	0	0	0
TIP	1,000,000	1,000,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	4,352,402	4,352,402	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for the construction of the preferred alignment resulting from the Holmes Run Bike Trail Study which involves constructing significant upgrades to the existing facilities along the Holmes Run Greenway from North Ripley Street running north to beneath Interstate 395. The existing facilities currently provide access under Interstate 395 and Van Dorn Street via a tunnel, underpass, fair weather crossing and concrete trail system built into the concrete sidewall embankments lining the flood channel of Holmes Run. The trail is currently in very poor condition. It is poorly lit and can have slippery and unsafe trail conditions for trail users.

Planning and design work has been completed. Construction is currently underway, and completion is anticipated for summer 2018.

Holmes Run Greenway will support a multi-modal transportation environment and provide local and regional connectivity. The Greenway will encourage more walking, biking, and transit use thereby helping to reduce carbon emissions and improving health. Completion of the Greenway will provide more opportunities for all citizens and employees to access transit, businesses, employers, and activity centers such as parks and recreation facilities.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan approved by City Council may 2016; 2012 Holmes Run Bike Trail Study; Beauregard Small Area Plan adopted June 2012

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
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	16 - 20 Years

Holmes Run Trail Connector

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	800,000	800,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
State/Federal Grants	800,000	800,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	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 prior CIP. In FY 2018, $800,000 of State/Federal Grants was appropriated for this project. However, the final grant amount awarded was $400,000. As part of the Spring 2018 Supplemental Appropriation Ordinance, staff requested to reduce the budget authority for this project by $400,000.

PROJECT DESCRIPTION & JUSTIFICATION

The Holmes Run Trail Connector will provide a multiuse path on the south side of Holmes Run between Ripley Street and North Pickett Street. This priority trail project will replace a dirt path with a multiuse trail constructed with pervious materials. The new trail will provide access for pedestrians and cyclists in Holmes Run Park. The City was awarded a $400,000 grant from VDOT, in 2017, and will determine next steps to implement this project in CY 2018.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan; Citywide Park Plan; Eco-City Charter

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 Rd.
MANAGING DEPARTMENT:	Department of Project Implementation	REPORTING AREA:	Old Town North
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	21 - 25 Years

Mt. Vernon Trail @ East Abingdon

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	850,000	850,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
CMAQ/RSTP	0	0	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	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project will construct safety improvements on the Mount Vernon Trail where trail width and conflicts with vehicles make non-motorized travel unsafe.

Staff has completed traffic counts for streets paralleling the narrow trail section and has developed the scope for a detailed design. Additional traffic analysis has been conducted to determine traffic impacts. For full build-out, additional right-of-way will be needed, and the plans for the Pepco property may affect the project. Survey work and design for construction on a portion of this project started in CY 2017.

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.

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 safety improvements at the Mount Vernon Trail increase safety for pedestrians, bicyclists, and safe access to transit and other facilities.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

T&ES Strategic Plan; Transportation Master Plan; Pedestrian and Bicycle Master Plan

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

OLD CAMERON RUN TRAIL

DOCUMENT SUBSECTION:	Non-Motorized Transportation	PROJECT LOCATION:	Eisenhower Ave. at Telegraph Rd. to Mt. Vernon Trail
MANAGING DEPARTMENT:	Department of Project Implementation	REPORTING AREA:	Eisenhower East
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	21 - 25 Years

Old Cameron Run Trail

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	6,950,000	3,155,000	1,026,000	1,409,000	1,360,000	0	0	0	0	0	0	0	3,795,000
Financing Plan													
State/Federal Grants	6,850,000	3,055,000	1,026,000	1,409,000	1,360,000	0	0	0	0	0	0	0	3,795,000
TIP	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	6,950,000	3,155,000	1,026,000	1,409,000	1,360,000	0	0	0	0	0	0	0	3,795,000
Additional Operating Impact	25,431	0	0	2,500	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,200	25,431

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project will construct a shared-use path between Eisenhower Avenue near Telegraph Road to on-road bicycle facilities that link to the Mt. Vernon Trail, 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.

TIP funds were used in FY 2016 to survey the project, and a study to determine the preferred trail alignment was completed in FY 2016. The study identified the need to find additional grant funding for the construction phase of this project. Currently, the City is procuring the services of a consultant who will develop the design for the trail.

Completion of this trail is necessary to support a multi-modal environment and provide local and regional connectivity. Additionally, the trail will encourage more walking, biking, and transit use, thereby helping to reduce carbon emissions and improving health.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Pedestrian and Bicycle Master Plan

ADDITIONAL OPERATING IMPACTS

Because the trail will be pervious, on going maintenance will be required to maintain the trail.

SAFE ROUTES TO SCHOOLS

DOCUMENT SUBSECTION:	Non-Motorized Transportation	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	Varies

Safe Routes to Schools

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	782,047	782,047	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
State/Federal Grants	782,047	782,047	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	782,047	782,047	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project funds safety improvements including installation of pedestrian countdown signals and associated pedestrian safety and bicycle improvements at intersections, within a two mile radius of all public elementary schools, following walk audits conducted in Summer 2017. Staff has begun implementation in FY 2018, and this is coordinated with the City's Vision Zero effort.

The Safe Routes to School program, created by Section 1404 of the 2005 Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), established a federally-funded program to provide communities with the opportunity to improve conditions for bicycling and walking to school in kindergarten through eighth grade. The project is funded through grants received from the Virginia Department of Transportation (VDOT). A city match is not required.

The safety improvements are primarily needed to provide a safe walking environment for school children, but will also improve overall safety and mobility for all residents. Pedestrian safety improvements are an important need that improves safety for children in accessing other facilities such as ball fields and recreation sites.

Total funding, in addition to funding for individual projects, may change based on Vision Zero.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Transportation Master Plan; Pedestrian and Bicycle Master Plan; Complete Streets Policy; Complete Streets Design Guidelines; Eco-City Charter; Vision Zero Action Plan

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

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
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	21 - 25 Years

Seminary / Howard Safety Improvements

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	400,000	400,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
State/Federal Grants	400,000	400,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	400,000	400,000	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project will include pedestrian safety and ADA improvements 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 Pedestrian and Bicycle chapter of the Transportation Master Plan, adopted in 2016. The City received a VDOT Bicycle and Pedestrian and Safety Program grant in the amount of $400,000 during spring 2017.

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	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,341,357	1,141,357	0	300,000	0	300,000	0	300,000	0	300,000	0	0	1,200,000
Financing Plan													
Cash Capital	1,650,000	450,000	0	300,000	0	300,000	0	300,000	0	300,000	0	0	1,200,000
Prior City Funding	691,357	691,357	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,341,357	1,141,357	0	300,000	0	300,000	0	300,000	0	300,000	0	0	1,200,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The 2011 and 2013 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	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	7,716,469	2,889,469	600,000	600,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	327,000	4,827,000
Financing Plan													
Cash Capital	6,377,000	1,550,000	600,000	600,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	327,000	4,827,000
Prior City Funding	1,139,469	1,139,469	0	0	0	0	0	0	0	0	0	0	0
TIP	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	7,716,469	2,889,469	600,000	600,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	327,000	4,827,000
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 $300,000 added to FY 2020 to implement priority improvements identified in the Vision Zero Action Plan.

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.

Additional funding of $300,000 was added to FY 2020 to support the priorities of Vision Zero. This additional funding will allow for pedestrian safety improvements on the streets included in the list on the following page.

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 2019 – FY 2021 Project List

Fiscal Year 2019
Description
E & W Maple St from N View Terr to Little St
Timber Branch Drive from W Braddock Rd to E Timber Branch Pkwy
Cresent Dr from Wellington Rd to Enderby Dr
Little St from E Braddock Rd to E Linden St
Oval Drive from Cameron Mills Rd to cul-de-sac
Church St from S Washington St to S Patrick St
E Howell Ave from Clyde Ave to Mt Vernon Ave
Ashby St. - Entire Length
Oakland Terr. Entire Length
Stonnell Place- Entire Length
Wilkes St. from Patrick St. to the dead end
E & W Chapman St from Russell Rd to Wayne Street
S. Payne St. from Wilkes St. to Dead End
Diagonal - Entire Length
Montgomery St from N Henry St to Dead-End
S Fayette from Jefferson St to Wilkes St
W Braddock Rd from N Van Dorn St to Beauregard St
Wilkes St from S Columbus to S Lee St
Wythe St from West St to N Fairfax St
Clifford Ave. from Commonwealth Ave. to Jefferson Davis Hwy.
Wolfe St. Entire Length
Mt. Vernon Ave. from Hume Ave to Leadbetter St
Seminary Rd from N Quaker Ln to 395
Michigan Ave from Bernard St to Bashford Ln
Devon Pl Entire Length
Chetworth Pl Entire Length
Avon Pl from Michigan Ave to Dead-End
Bernard St from Powhatan St to Michigan Ave
Jefferson Davis Hwy from Maskell St to Four Mile Run Bridge
Jefferson Davis Hwy from Howell Ave Maskell St.
Duke St from Somervelle St to N Jordan St
N. Van Dorn from Holmes Run Pkwy to Kenmore Ave
Duke St from Walker St to Somervelle St
Vison Zero Improvements

Sidewalk Capital Maintenance (continued)

Sidewalk Capital Maintenance FY 2019 – FY 2021 Project List (continued)

Fiscal Year 2020
Description
Polk Ave from N Naylor St to N Pegram St
Princeton Blvd from Vassar Rd to Dartmouth Rd
North View Terrace from W Rosemont Ave to Rucker Pl
E/W Abingdon St. from First St. to Dead End
Commonwealth Ave from E Braddock Rd to King St
Bishop Lane from N Quaker to Circle
Mansion Dr. Entire Length
Vermont Ave from S Gordon St to S Jenkins St
S Jenkins St from Venable Ave to Holmes Run Pkwy
N & S Fairfax St from Jefferson St to Third St
Eisenhower Ave. from Mill Rd. to Holland Ln.
E & W Rosemont from King St to Commonwealth Ave
High Street from W Braddock Rd to Russell Rd
Virginia Ave. Entire Length
N & S Union St from Pendleton St to Franklin St
Dartmouth Rd. from Crown View to Dead End
Valley Dr from Martha Custis Dr to Gunston Rd
Powhatan St from Washington St to Slater Ln
W Reed Ave from JD HWY to Mt Vernon Ave
Mark Drive (All of it)
Stonewall Rd from W Braddock Rd to High St
Jasper Pl from S Jenkins St to cul-de-sac
King Street from Callahan to Daingerfield
N Pitt St from Oronoco St to King St
Norwood Pl from Cameron Mills Rd to cul-de-sac
W. Taylor Run Pkwy. From Janney's Ln. to Dead End
N Pegram St from Holmes Run Pkwy to N pickett St
Roth St - Entire Length from Duke St to Business Center Dr
Colvin St - Entire Length from Roth St to S Quaker Ln
Vison Zero Improvements

Sidewalk Capital Maintenance (continued)

Sidewalk Capital Maintenance FY 2019 – FY 2021 Project List (continued)

Fiscal Year 2021
Description
Duke St from S Patrick St to Strand St
Hume Ave. from Commonwealth Ave. to Jefferson Davis Hwy.
N Floyd St from Duke St to N French St
N &S Washington Street from First St to Church St
Fendall Ave from Duke St to S Floyd St
Wellington Rd from Beverley Dr to Chalfonte Dr
Bryan St. from W. Taylor Run Pkwy. To Dead End
Fillmore Ave. from Cul-de-sac to Seminary Rd
Farm Rd. from Beverley Dr to Circle Terr
N Gladden St & N Grayson St from Uline Ave to Uline Ave
Tulsa Place from N Gordon to cul-de-sac
Uline Ave from N Gordon St to N Furman St
West Street from Duke St to Wythe St
Skyhill Rd. from Janney's Ln. to Dead End
Daingerfield - Entire Length
Morgan St from N Chambliss St to Circular Parking space
N/S Alfred St. from First St. to Church St.
Reading Ave from Rayburn Ave To N Beauregard St
Rayburn Ave from N Beauregard St to Reading Ave
Lomack St from cul-de-sac to Dead-end
S Iris from Venable Ave to Vermont Ave
S French St from Duke St to cul-de-sac
Cameron Mills Rd from Virginia Ave to Allison St
Marlboro Dr. - Entire Length
Fort Ward Pl. - Entire Length
Ellicott St. - Entire Length
Moncure Dr from S View Terr to Hilton St (Base failure)
N Howard St from Raleigh Ave to W Braddock Rd
Crown View Dr. from Clover Way to Dartmouth Rd.
Jewell Court & Anderson Court from N Chambliss St to cul-de-sac
N & S Saint Asaph St from First St to Dead-end
Vison Zero Improvements

TRANSPORTATION MASTER PLAN UPDATE

DOCUMENT SUBSECTION:	Non-Motorized Transportation	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	6 - 10 Years

Transportation Master Plan Update

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	840,000	340,000	0	0	500,000	0	0	0	0	0	0	0	500,000
Financing Plan													
CMAQ/RSTP	840,000	340,000	0	0	500,000	0	0	0	0	0	0	0	500,000
Total Financing Plan	840,000	340,000	0	0	500,000	0	0	0	0	0	0	0	500,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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. The Transportation Commission has supported this project as a priority in the City. The chapter updates will be phased based on the availability of funding.

The update will reflect the significant changes to the City's transportation network and the general framework to improve mobility and accesibility in a sustainable and equitable manner. The update brings significant changes to the Masterplan since it was last reviewed 10 years ago. The Plan will incorporate significant development in key areas of the City and features a sustainability approach to improve mobility for all. The Transportation Master Plan update will be strategically aligned to other City-led policies and plans such as the Environmental Action Plan, Action 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.

Updating the 2008 Transportation Master Plan will provide for opportunities to increase the livability of neighborhoods, improved and increased 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

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

VAN DORN/BEAUREGARD BICYCLE FACILITIES

DOCUMENT SUBSECTION:	Non-Motorized Transportation	PROJECT LOCATION:	N. Beauregard and N. Van Dorn St.
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Landmark/Van Dorn/Seminary Hill/Beauregard
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	21 - 25 Years

Van Dorn/Beauregard Bicycle Facilities

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,421,000	0	250,000	1,171,000	0	0	0	0	0	0	0	0	1,421,000
Financing Plan													
State/Federal Grants	1,421,000	0	250,000	1,171,000	0	0	0	0	0	0	0	0	1,421,000
Total Financing Plan	1,421,000	0	250,000	1,171,000	0	0	0	0	0	0	0	0	1,421,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

A missing link in the City's bicycle network is a bicycle facility along Beauregard Street and Van Dorn Street. This facility would provide a north-south connection to the City's Holmes Run Trail, running east-west, and connecting bicycle users to Mark Center. This project will be coordinated with the implementation of the West End Transitway (Transit Corridor “C”).

This project will be fully funded through restricted funding sources/grants and does not require City funding. State and federal grants have been secured for $0.25 million in design in FY 2019 and $1.17 million in construction in FY 2020.

This project helps to promote bicycling and transit use, thereby helping to reduce carbon emissions and improving health.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Beauregard Small Area Plan; Landmark Van Dorn Corridor Plan; Pedestrian and Bicycle Master Plan

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

BRIDGE REPAIRS

DOCUMENT SUBSECTION:	Streets & Bridges	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	19,744,975	8,244,975	300,000	700,000	300,000	700,000	300,000	1,700,000	1,300,000	1,400,000	2,300,000	2,500,000	11,500,000
Financing Plan													
Cash Capital	10,725,000	225,000	200,000	600,000	200,000	600,000	200,000	1,600,000	1,200,000	1,300,000	2,200,000	2,400,000	10,500,000
GO Bonds	1,575,000	575,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Prior City Funding	7,444,975	7,444,975	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	19,744,975	8,244,975	300,000	700,000	300,000	700,000	300,000	1,700,000	1,300,000	1,400,000	2,300,000	2,500,000	11,500,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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.

Beginning in FY 2018 and continuing in FY 2019, utilizing existing project balances, work will begin on the maintenance and miscellaneous painting of the following bridges:

- Van Dorn Street over Holmes Run
- Van Dorn Street over Duke Street
- Potomac Avenue over Four Mile Run
- Route 1 over Four Mile Run
- Route 1 over Main St./CSX RR
- Cameron Station Overpass over Duke Street
- Telegraph Road over Duke Street
- Landmark Flyover over Duke Street

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	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Project Implementation	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
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
Sanitary Sewer Fund	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
TIP	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	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 prior 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	PROJECT LOCATION:	Route 1 at E. Glebe Road
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Potomac Yard/Potomac Greens
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	4,600,000	3,200,000	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Financing Plan													
Developer Contribution	4,600,000	3,200,000	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Total Financing Plan	4,600,000	3,200,000	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 Pedestrian and Bicycle Master Plan.

Completion of this project will allow traffic to move through the intersection in a safe and efficient manner. 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

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
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	21 - 25 Years

Eisenhower Avenue Roadway Improvements

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	9,491,829	9,321,829	170,000	0	0	0	0	0	0	0	0	0	170,000
Financing Plan													
CMAQ/RSTP	363,000	363,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	420,000	250,000	170,000	0	0	0	0	0	0	0	0	0	170,000
Prior City Funding	534,000	534,000	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	7,637,000	7,637,000	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
Total Financing Plan	9,491,829	9,321,829	170,000	0	0	0	0	0	0	0	0	0	170,000
Additional Operating Impact	133,337	0	0	0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,400	133,337

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 early 2019.

The additional funding is for construction and construction management services.

Once completed, this project will be consistent 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

The initial operating impacts of this project will be approximately $15,000 annual maintenance costs of the traffic signals, lights, BMP's and trees beginning in FY 2021.

EW & LVD IMPLEMENTATION - HIGH STREET DESIGN/ENGINEERING

DOCUMENT SUBSECTION:	Streets & Bridges	PROJECT LOCATION:	High St. (West of and Parallel to Van Dorn St.)
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Eisenhower West/Landmark/Van Dorn
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	N/A

EW & LVD Implementation - High Street Design/Engineering

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	500,000	0	0	0	0	0	500,000	0	0	0	0	0	500,000
Financing Plan													
TIP	500,000	0	0	0	0	0	500,000	0	0	0	0	0	500,000
Total Financing Plan	500,000	0	0	0	0	0	500,000	0	0	0	0	0	500,000

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides preliminary design and engineering funding for the construction of a new High Street west of, and parallel to, Van Dorn Street from West End Town Center to Pickett Street, including a Duke Street grade separated crossing. This project was identified in the Landmark/Van Dorn Small Area Plan and would be completed as part of the phased redevelopment of Landmark Mall.

Funding is provided for initial design and engineering in FY 2023 through the Transportation Improvement Program (TIP). Funding may be recommended to be accelerated in future Capital Improvement Programs based on future development planning. The timing of construction is not known at this time. The total estimated cost of this project is $18.4 million and is contingent on the development of a funding plan.

The improvement is necessary to support future traffic associated with redevelopment of the Landmark/Van Dorn area. Improvements will improve mobility within the Landmark/Van Dorn area, support high capacity transit, and reduce impacts to the regional transportation system.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Landmark; Van Dorn

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

FARRINGTON CONNECTOR

DOCUMENT SUBSECTION:	Streets & Bridges	PROJECT LOCATION:	Eisenhower West
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Eisenhower West
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	21 - 25 Years

Farrington Connector

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	500,000	0	0	0	0	0	0	500,000	0	0	0	0	500,000
Financing Plan													
State/Federal Grants	500,000	0	0	0	0	0	0	500,000	0	0	0	0	500,000
Total Financing Plan	500,000	0	0	0	0	0	0	500,000	0	0	0	0	500,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project would go toward funding the design for a new road that would connect from Farrington Avenue to Edsall Road. This project was recommended in the Eisenhower West Small Area Plan and is a needed roadway to support additional development in the Eisenhower West area. The road would include one lane in each direction, and include enhanced bicycle and pedestrian facilities. Funding sources for this new connection between Alexandria and Fairfax County will need to be determined with jurisdictional cost sharing, regional transportation funding , and state funding as candidates.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eisenhower West Small Area Plan, Pedestrian and Bicycle Master Plan

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
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Alexandria West
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	21 - 25 Years

King & Beauregard Intersection Improvements

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	17,902,862	17,902,862	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
GO Bonds	1,371,300	1,371,300	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	538,862	538,862	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
Total Financing Plan	17,902,862	17,902,862	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	133,337	0	0	0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,400	133,337

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 early 2019. Phase II construction is anticipated to begin in summer 2019 with an estimated completion date of late-2020.

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

The initial operating impacts of this project will be approximately $15,000 annual maintenance costs of the traffic signals, lights, BMP's and trees beginning in FY 2021.

MADISON & MONTGOMERY RECONSTRUCTION

DOCUMENT SUBSECTION:	Streets & Bridges	PROJECT LOCATION:	Madison St. and Montgomery St. between Fairfax St. and St. Asaph St.
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Old Town North
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	21 - 25 Years

Madison & Montgomery Reconstruction

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,750,000	1,750,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	650,000	650,000	0	0	0	0	0	0	0	0	0	0	0
TIP	1,100,000	1,100,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,750,000	1,750,000	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for design and road reconstruction in a three square-block area of Old Town bounded by Madison and Montgomery streets between Fairfax and St. Asaph. These streets partially lie over an abandoned canal that was eventually filled by converting it into a landfill. Continual settlement of the landfill has led to warped pavement and unstable roadways in the area. There has also been considerable deformation of the sidewalks and curb and gutter due to adverse tree root impacts and overall settlement. Preliminary engineering suggests that some sections of roadway sub-base will need to be stabilized in addition to some reconstruction to improve drainage.

Prior-year funding in the amount of $1.75 million is provided for design and construction to address areas of most severe settlement, with the current focus on St. Asaph Street between Madison and Montgomery. The final design was completed in FY 2017. After the design was completed, T&ES determined that it would be mutually benefical to enter into a MOU with the ABC Giant developer's contractor to construct the project. Construction is underway and will be completed in late 2018. Completion of this project will prevent future roadway and sidewalk settlement in this area while improving pavement quality. It will also eliminate the ponding and freezing problems in these roadways and intersections.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Old Town North

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

SEMINARY ROAD AT BEAUREGARD STREET ELLIPSE

DOCUMENT SUBSECTION:	Streets & Bridges	PROJECT LOCATION:	Seminary Rd. at Beauregard St.
MANAGING DEPARTMENT:	Department of Project Implementation	REPORTING AREA:	Seminary Hill
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	36,400,000	0	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	0	36,400,000
Financing Plan													
Developer Contribution	36,400,000	0	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	0	36,400,000
Total Financing Plan	36,400,000	0	0	3,500,000	16,200,000	16,700,000	0	0	0	0	0	0	36,400,000
Additional Operating Impact	150,000	0	0	0	0	0	25,000	25,000	25,000	25,000	25,000	25,000	150,000

CHANGES FROM PRIOR YEAR CIP

Funding plan delayed to FY 2020 – FY 2022, pending further review of development in the Beauregard area.

PROJECT DESCRIPTION & JUSTIFICATION

The intersection of Beauregard Street and Seminary Road is approved to be 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 will 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 is 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 shall be determined during the next phase of design. Due to delays in development activity, the City funding for design and engineering has been reallocated to higher priority projects.

Funding (currently estimated at $36.4 million) for full project design and engineering and construction was originaly planned from FY 2019 – 2021, to be funded primarily with private (development) capital contributions. The design of the ellipse has been stopped due to the uncertainty of the future development in the Beauregard area. At this point, this project is on hold until development moves forward

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

Annual maintenance costs are expected to be approximately $25,000.

STREET RECONSTRUCTION & RESURFACING OF MAJOR ROADS

DOCUMENT SUBSECTION:	Streets & Bridges	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	75,642,488	24,332,488	5,260,000	5,500,000	5,500,000	5,500,000	5,000,000	4,975,000	4,975,000	4,300,000	5,300,000	5,000,000	51,310,000
Financing Plan													
Cash Capital	3,575,000	3,575,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	40,810,000	8,700,000	5,260,000	4,000,000	4,000,000	4,000,000	2,800,000	2,475,000	2,475,000	1,800,000	2,800,000	2,500,000	32,110,000
Prior City Funding	6,670,679	6,670,679	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	975,000	975,000	0	0	0	0	0	0	0	0	0	0	0
TIP	5,700,000	0	0	0	0	0	700,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,700,000
VDOT State Revenue Sharing	17,911,809	4,411,809	0	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	13,500,000
Total Financing Plan	75,642,488	24,332,488	5,260,000	5,500,000	5,500,000	5,500,000	5,000,000	4,975,000	4,975,000	4,300,000	5,300,000	5,000,000	51,310,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

City Funding (GO Bonds) in the amount of $1.5 million added to the project in FY 2019 to supplant VDOT Revenue Sharing funds that were not received by the City.

PROJECT DESCRIPTION & JUSTIFICATION

The City of Alexandria maintains and manages more than 560 lane miles of paved streets to ensure the safe and efficient movement of people, goods and services. In 2013 and again in 2016, City staff completed an updated pavement management inventory. City staff will perform another pavement management inventory in 2019. The pavement condition measurement information gathered is 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 2019 - 2021 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 becomes 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. This funding, if approved, will allow the City to resurface more streets. An additional $1.5 million of city funding was added for FY 2019 to account for a loss in funding from the VDOT Revenue Sharing funds.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Pavement management inventory updated in 2013 and 2016 and Reviewed by City Council.

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

Street Reconstruction & Resurfacing of Major Roads (continued)

Street Reconstruction & Resurfacing of Major Roads FY 2019 – FY 2021 Project List

Fiscal Year 2019		
Street(s)	Avg. PCI Score	Estimated Cost
Oval Drive from Cameron Mills Rd to cul-de-sac	23	$ 35,000.00
Oakland Terr. Entire Length	27	$ 47,000.00
Argyle Drive from Monticello Blvd to Cul-De-Sac	15	$ 55,000.00
Montgomery St from N Henry St to Dead-End	30	$ 150,000.00
S Fayette from Jefferson St to Wilkes St	31	$ 70,000.00
W Braddock Rd from N Van Dorn St to Beauregard St	32	$ 250,000.00
S. Payne St. from Wilkes St. to Dead End	29	$ 100,000.00
Little St from E Braddock Rd to E Linden St	19	$ 50,000.00
E Howell Ave from Clyde Ave to Mt Vernon Ave	26	$ 20,000.00
E & W Maple St from N View Terr to Little St	18	$ 110,000.00
Church St from S Washington St to S Patrick St	24	$ 70,000.00
Wilkes St. from S Columbus St to S Lee St	28	$ 138,000.00
E & W Chapman St from Russell Rd to Wayne Street	28	$ 50,000.00
Wythe St from West St to N Fairfax St	34	$ 220,000.00
Clifford Ave. from Commonwealth Ave. to Jefferson Davis Hwy.	34	$ 100,000.00
Wolfe St. Entire Length	35	$ 180,000.00
Mt. Vernon Ave. from Hume Ave to Leadbetter St	40	$ 130,000.00
Seminary Rd from N Quaker Ln to 395	43	$ 625,000.00
Jefferson Davis Hwy from Maskell St to Four Mile Run Bridge	50	$ 350,000.00
Jefferson Davis Hwy from Howell Ave Maskell St.	56	$ 200,000.00
Duke St from Somervelle St to N Jordan St	35	$ 300,000.00
N. Van Dorn from Holmes Run Pkwy to Kenmore Ave	45	$ 575,000.00
Duke St from Walker St to Somervelle St	46	$ 900,000.00
Taney Ave. from N. Early St. to N. Gordon St.	31	$ 65,000.00
N Donelson St from Duke St to Taft Ave	22	$ 30,000.00
Randolph Ave. - Entire Length	24	$ 115,000.00
CityWide Alley Resurfacing	< 25	$ 200,000.00
Additional Costs and Contingency	N/A	$ 125,000.00
Total Fiscal Year 2019	**32**	**$ 5,260,000.00**

Street Reconstruction & Resurfacing of Major Roads (continued)

Street Reconstruction & Resurfacing of Major Roads FY 2019 – FY 2021 Project List

Fiscal Year 2020		
Street(s)	Avg. PCI Score	Estimated Cost
Polk Ave from N Naylor St to N Pegram St	27	$ 165,000.00
Princeton Blvd from Vassar Rd to Dartmouth Rd	31	$ 52,000.00
North View Terrace from W Rosemont Ave to Rucker Pl	31	$ 83,000.00
E/W Abingdon St. from First St. to Dead End	32	$ 350,000.00
Commonwealth Ave from E Braddock Rd to King St	32	$ 460,000.00
Bishop Lane from N Quaker to Circle	33	$ 46,000.00
Mansion Dr. Entire Length	33	$ 125,000.00
Vermont Ave from S Gordon St to S Jenkins St	33	$ 62,000.00
S Jenkins St from Venable Ave to Holmes Run Pkwy	36	$ 80,000.00
N & S Fairfax St from Jefferson St to Third St	34	$ 525,000.00
Eisenhower Ave. from Mill Rd. to Holland Ln.	34	$ 85,000.00
E&W Rosemont from King St to Commonwealth Ave	34	$ 175,000.00
Mt Vernon Ave from Rosemont Ave to Dead-End	46	$ 70,000.00
High Street from W Braddock Rd to Russell Rd	34	$ 92,000.00
Virginia Ave. Entire Length	37	$ 250,000.00
N & S Union St from Pendleton St to Franklin St	37	$ 320,000.00
Dartmouth Rd. from Crown View to Dead End	37	$ 125,000.00
Valley Dr from Martha Custis Dr to Gunston Rd	38	$ 210,000.00
Powhatan St from Washington St to Slater Ln	38	$ 180,000.00
W Reed Ave from JD HWY to Mt Vernon Ave	38	$ 222,000.00
Mark Drive (entire length)	35	$ 40,000.00
Stonewall Rd from W Braddock Rd to High St	19	$ 30,000.00
Jasper Pl from S Jenkins St to cul-de-sac	40	$ 28,000.00
King Street from Callahan to Daingerfield	40	$ 82,000.00
N Pitt St from Oronoco St to King St	41	$ 135,000.00
Norwood Pl from Cameron Mills Rd to cul-de-sac	42	$ 35,000.00
W. Taylor Run Pkwy. From Janney's Ln. to Dead End	42	$ 75,000.00
N Pegram St from Holmes Run Pkwy to N pickett St	43	$ 300,000.00
Roth St - Entire Length from Duke St to Business Center Dr	16	$ 40,000.00
Colvin St - Entire Length from Roth St to S Quaker Ln	10	$ 115,000.00
CityWide Alley Resurfacing	<30	$ 443,000.00
Additional Costs and Contingency	N/A	$ 500,000.00
Total Fiscal Year 2020	**34**	**$ 5,500,000.00**

Street Reconstruction & Resurfacing of Major Roads (continued)

Street Reconstruction & Resurfacing of Major Roads FY 2019 – FY 2021 Project List

Fiscal Year 2021		
Street(s)	Avg. PCI Score	Estimated Cost
Duke St from S Patrick St to Strand St	34	$ 265,000.00
Hume Ave. from Commonwealth Ave. to Jefferson Davis Hwy.	36	$ 130,000.00
N Floyd St from Duke St to N French St	37	$ 34,000.00
N &S Washington Street from First St to Church St	39	$ 665,000.00
Fendall Ave from Duke St to S Floyd St	39	$ 50,000.00
Wellington Rd from Beverley Dr to Chalfonte Dr	39	$ 85,000.00
Bryan St. from W. Taylor Run Pkwy. To Dead End	42	$ 80,000.00
Fillmore Ave. from Cul-de-sac to Seminary Rd	42	$ 265,000.00
Farm Rd. from Beverley Dr to Circle Terr	42	$ 200,000.00
N Gladden St & N Grayson St from Uline Ave to Uline Ave	42	$ 60,000.00
Tulsa Place from N Gordon to cul-de-sac	43	$ 40,000.00
Uline Ave from N Gordon St to N Furman St	52	$ 40,000.00
West Street from Duke St to Wythe St	43	$ 275,000.00
Skyhill Rd. from Janney's Ln. to Dead End	44	$ 116,000.00
Daingerfield - Entire Length	44	$ 98,000.00
Morgan St from N Chambliss St to Circular Parking space	45	$ 210,000.00
N/S Alfred St. from First St. to Church St.	42	$ 390,000.00
Reading Ave from Rayburn Ave To N Beauregard St	27	$ 125,000.00
Rayburn Ave from N Beauregard St to Reading Ave	22	$ 100,000.00
Lomack St from cul-de-sac to Dead-end	46	$ 43,000.00
S Iris from Venable Ave to Vermont Ave	48	$ 28,000.00
S French St from Duke St to cul-de-sac	48	$ 60,000.00
Cameron Mills Rd from Virginia Ave to Allison St	48	$ 92,000.00
Marlboro Dr. - Entire Length	49	$ 70,000.00
Fort Ward Pl. - Entire Length	58	$ 35,000.00
Ellicott St. - Entire Length	51	$ 100,000.00
Moncure Dr from S View Terr to Hilton St (Base failure)	50	$ 72,000.00
N Howard St from Raleigh Ave to W Braddock Rd	50	$ 475,000.00
Crown View Dr. from Clover Way to Dartmouth Rd.	51	$ 75,000.00
Jewell Court & Anderson Court from N Chambliss St to cul-de-sa	62	$ 52,000.00
N & S Saint Asaph St from First St to Dead-end	45	$ 475,000.00
Diagonal - Entire Length	30	$ 145,000.00
CityWide Alley Resurfacing	<35	$ 250,000.00
Additional Costs and Contingency	N/A	$ 300,000.00
Total Fiscal Year 2021	**43**	**$ 5,500,000.00**

VAN DORN METRO MULTIMODAL BRIDGE (W/ EISENHOWER WEST)

DOCUMENT SUBSECTION:	Streets & Bridges	PROJECT LOCATION:	Van Dorn Metro to Pickett St.
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Eisenhower West
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	500,000	200,000	300,000	0	0	0	0	0	0	0	0	0	300,000
Financing Plan													
State/Federal Grants	0	0	0	0	0	0	0	0	0	0	0	0	0
TIP	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0
TIP (Reprogrammed)	300,000	0	300,000	0	0	0	0	0	0	0	0	0	300,000
Total Financing Plan	500,000	200,000	300,000	0	0	0	0	0	0	0	0	0	300,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

State/Federal grant funding originally planned for FY 2022 has been eliminated; $10 million of state funding was removed from FY 2022, since this project was not awarded SMART SCALE funding from the state.

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 will 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 is provided for initial design and engineering in FY 2018 and FY 2019 through the Transportation Improvement Program (TIP). Currently, the City has been working with consultants to complete a 10% design of the bridge.

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 likely be needed to complete this project.

The improvement is necessary to support future traffic associated with redevelopment of the Landmark/Van Dorn and Eisenhower West areas. Improvements will improve access and mobility within the Landmark/Van Dorn area, support high capacity transit, and reduce impacts to the regional transportation system.

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:	Fixed Transportation Equipment	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,103,752	218,150	352,400	203,079	630,123	450,000	250,000	0	0	0	0	0	1,885,602
Financing Plan													
CMAQ/RSTP	2,103,752	218,150	352,400	203,079	630,123	450,000	250,000	0	0	0	0	0	1,885,602
Total Financing Plan	2,103,752	218,150	352,400	203,079	630,123	450,000	250,000	0	0	0	0	0	1,885,602
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for the deployment of new parking technologies, such as real time parking occupancy systems for on-street spaces and parking garages/lots, web-based interactive parking map, 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 anticipated in FY 2018 – 2023. Specific projects contemplated include:

- FY 2019-2020: Phase I – Assess solutions and develop program for implementation of parking technology program, which can include installing sensors in all City owned garages; developing a web-based application to provide real-time occupancy information; and installing dynamic directional signage that would indicate real-time parking availability and direct parkers to available parking spaces. Begin implementation.
- FY 2020-2021: Phase II – Continue implementation and evaluation of Phase I. Develop proposals to Council for any legislative changes required to improve parking conditions.
- FY 2020-2023: Phase III – Continue implementation and evaluation of parking technology program, which can include installing sensors in all City owned garages; continue installing sensors or similar technology for on-street parking; and continue installing dynamic directional signage that would indicate real-time parking availability and direct parkers to available parking spaces; and coordinate off-street and on-street parking occupancy data into a combined web-based application.

Depending on technology selected to monitor on-street space utilization and availability, additional funding may be needed to complete this project, or the project's scope may be need to be narrowed. The City has received a CMAQ / RSTP grant fund for FY 2023 in the amount of $250,000.

Once implemented, these technologies will support economic development by providing more efficient parking strategies and allowing 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.

CITYWIDE TRANS. MGMT. TECH. - BROADBAND COMMUNICATIONS LINK

DOCUMENT SUBSECTION:	Fixed Transportation Equipment	PROJECT LOCATION:	4600 - 5700 Eisenhower Ave
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Eisenhower West
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	Varies

Citywide Trans. Mgmt. Tech. - Broadband Communications Link

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
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
Total Financing Plan	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The Broadband Communications Link project includes the design and expansion of the City's fiber optic communications (broadband) network on Eisenhower Avenue between Van Dorn Street and Clermont Avenue. Currently, the traffic signals along Eisenhower Avenue operate independently of one another and are not synchornized. There is no communications infrastructure in place to connect any existing or new traffic signals to this system.

With the proposed development in Eisenhower West, new smart infrastructure and smart traffic signals to manage the anticipated increase in traffic will be required. This project aims to mitigate the impacts of proposed development along Eisenhower Avenue with the installation of communications conduit and fiber optic cable, survellience 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 Eisenhower Avenue to mitigate the impacts of Victory Center related traffic.

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.

CITYWIDE TRANS. MGMT. TECH. - INTELLIGENT TRANSPORTATION SYSTEMS (ITS) INTEGRATION

DOCUMENT SUBSECTION:	Fixed Transportation Equipment	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	10,293,525	8,715,525	152,000	203,000	223,000	1,000,000	0	0	0	0	0	0	1,578,000
Financing Plan													
CMAQ/RSTP	1,918,000	1,918,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	39,356	39,356	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	8,336,169	6,758,169	152,000	203,000	223,000	1,000,000	0	0	0	0	0	0	1,578,000
Total Financing Plan	10,293,525	8,715,525	152,000	203,000	223,000	1,000,000	0	0	0	0	0	0	1,578,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Prior year funding in the amount of $7.0 million transferred from this project to the new Traffic Adaptive Signal Control project. FY 2019 – FY 2023 funding adjusted to reflect separation of Traffic Adaptive Signal Control from the ITS Integration parent project.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for the design and installation of upgrades to the City's Intelligent Transportation System (ITS) 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, 10, 20 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.

This project has four 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.

The four phases are as follows:

- Phase I, which is complete, installed a broadband fiber optic communications network, 11 traffic surveillance cameras, and a management center at Business Center Drive.
- Phase II, which supplements the first phase, expands the broadband network and installs additional traffic surveillance cameras. It is scheduled to be complete in 2018.
- The design for Phase III is expected to begin in FY 2018 with construction beginning in late FY 2019. This phase includes the provision of pavement temperature sensors, weather stations and flood monitoring devices.
- The design for Phase IV is expected to begin in FY 2020 and construction in FY 2021. This phase will accommodate future vehicle-to-infrastructure and autonomous vehicle technology applications currently being developed by the Federal Government.

Funding for Traffic Adaptive Signal Control, which was previously included with this project, has been separated into a new CIP project of the same title.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION	ADDITIONAL OPERATING IMPACTS
N/A	No additional operating impacts identified at this time.

CITYWIDE TRANS. MGMT. TECH. - TRAFFIC CONTROL UPGRADE

DOCUMENT SUBSECTION:	Fixed Transportation Equipment	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,200,000	200,000	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													
Cash Capital	1,200,000	200,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Total Financing Plan	1,200,000	200,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The Traffic Control Upgrade project funds ongoing capital maintenance and required traffic control hardware upgrades associated with implementation of the Citywide Transportation Management and ITS Integration project.

The project supports necessary technology upgrades associated with the City's new traffic surveillance cameras, broadband fiber optic communications network and hardware/systems in the management center used to monitor real-time traffic conditions. 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.

CITYWIDE TRANS. MGMT. TECH. - TRANSPORTATION TECHNOLOGIES

DOCUMENT SUBSECTION:	Fixed Transportation Equipment	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,328,400	828,400	250,000	0	250,000	0	250,000	0	250,000	0	250,000	250,000	1,500,000
Financing Plan													
TIP	2,166,400	828,400	88,000	0	250,000	0	250,000	0	250,000	0	250,000	250,000	1,338,000
TIP (Reprogrammed)	162,000	0	162,000	0	0	0	0	0	0	0	0	0	162,000
Total Financing Plan	2,328,400	828,400	250,000	0	250,000	0	250,000	0	250,000	0	250,000	250,000	1,500,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project funds the deployment of small-scale transportation technology projects to improve efficiency of transportation infrastructure including parking meters, traffic signals and signs. In FY 2019, the City plans to use mobile device (smart phone) technology to collect safety data associated with Vision Zero and which will also measure the movement of people in and around the City. This techology will improve the reliability and integrity of future transportation studies. These technologies will also contribute to the engineering improvements being implemented as part of the City's Vision Zero plan.

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.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

FIXED TRANSPORTATION EQUIPMENT

DOCUMENT SUBSECTION:	Fixed Transportation Equipment	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	ESTIMATE USEFUL LIFE:	Varies

Fixed Transportation Equipment

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	29,272,833	19,072,833	850,000	850,000	850,000	850,000	2,350,000	875,000	875,000	900,000	900,000	900,000	10,200,000
Financing Plan													
Cash Capital	3,464,547	1,084,547	150,000	150,000	150,000	150,000	150,000	175,000	175,000	150,000	565,000	565,000	2,380,000
GO Bonds	9,585,453	1,765,453	700,000	700,000	700,000	700,000	2,200,000	700,000	700,000	750,000	335,000	335,000	7,820,000
Prior City Funding	16,222,833	16,222,833	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	29,272,833	19,072,833	850,000	850,000	850,000	850,000	2,350,000	875,000	875,000	900,000	900,000	900,000	10,200,000
Additional Operating Impact	10,000	0	0	0	2,500	0	0	2,500	0	0	2,500	2,500	10,000

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 milion), 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

The City typically installs a new traffic signal once every three years. The cost to maintain a traffic signal is $2,500 per year, which includes the cost to provide power to the traffic signal, as well as ongoing preventative maintenance and malfunction troubleshooting.

Fixed Transportation Equipment (continued)

Fixed Transportation Equipment FY 2019 – FY 2021 Project List

Fiscal Year 2019	
Description	Amount
Reconstruct signal at Beauregard & Fillmore	$150,000
Reconstruct signal at King & Menokin	$150,000
Reconstruct signal at Columbus & Prince	$120,000
Reconstruct signal at Columbus & Madison	$120,000
Reconstruct signal at St. Asaph & Madison	$120,000
Reconstruct signal at St Asaph & Pendleton	$130,000
Repair and upgrade of traffic signal vehicle detection	$30,000
Knockdowns from accidents	$30,000
Total Fiscal Year 2019	**$850,000**

Fiscal Year 2020	
Description	Amount
Reconstruct signal at Duke & Alfred	$130,000
Reconstruct signal at Duke & Columbus	$130,000
Reconstruct signal at Columbus & Wythe	$130,000
Reconstruct signal at Alfred & Cameron	$120,000
Reconstruct signal at Alfred & Prince	$120,000
New signal (undermined location)	$150,000
Repair and upgrade of traffic signal vehicle detection	$40,000
Knockdowns from accidents	$30,000
Total Fiscal Year 2020	**$850,000**

Fiscal Year 2021	
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 & Preston	$150,000
Reconstruct signal at Stevenson & Whiting	$150,000
Reconstruct signal at Stevenson & Walker	$130,000
Repair and upgrade of traffic signal vehicle detection	$25,000
Knockdowns from accidents	$25,000
Total Fiscal Year 2021	**$850,000**

TRAFFIC ADAPTIVE SIGNAL CONTROL

DOCUMENT SUBSECTION:	Fixed Transportation Equipment	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 10: Multimodal Transportation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	14,676,000	7,000,000	0	0	0	5,266,000	2,410,000	0	0	0	0	0	7,676,000
Financing Plan													
State/Federal Grants	14,676,000	7,000,000	0	0	0	5,266,000	2,410,000	0	0	0	0	0	7,676,000
Total Financing Plan	14,676,000	7,000,000	0	0	0	5,266,000	2,410,000	0	0	0	0	0	7,676,000

CHANGES FROM PRIOR YEAR CIP

This is a new project for FY 2019. Funding originally included with the Citywide Transportation Management Technologies – ITS Integration Project has been transferred to this new project.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for 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. This project will install new control software and hardware as well as traffic sensors to monitor traffic in real-time.

This project is funded through the Virginia Department of Transportation Smart Scale program. There are two phases to this project. The design for Phase I will begin in early FY 2019 with construction starting in early FY 2021. The design for Phase II will begin in FY 2022, and construction is anticipated to begin in FY 2023.

This funding was originally included with the ITS Integration parent project, but is now a standalone project.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time

SANITARY SEWERS

Sanitary Sewers
Approved FY 2019 – FY 2028 Capital Improvement Program
Summary of Projects

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Sanitary Sewers											
Sanitary Sewers											
AlexRenew Wastewater Treatment Plant Capacity	0	11,070,000	11,400,000	11,750,000	0	0	0	0	0	0	34,220,000
Citywide Sewershed Infiltration & Inflow	0	3,075,000	2,850,000	4,000,000	0	0	0	0	0	0	9,925,000
Combined Sewer Assessment & Rehabilitation	3,700,000	2,550,000	2,550,000	0	0	0	0	0	0	0	8,800,000
Combined Sewer Outfall (001 - 004)	25,000,000	55,000,000	55,000,000	100,000,000	100,000,000	40,000,000	10,000,000	0	0	0	385,000,000
Combined Sewer Separation Projects	0	300,000	600,000	300,000	300,000	600,000	300,000	300,000	600,000	600,000	3,900,000
Combined Sewer System (CSS) Permit Compliance	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Four Mile Run Sanitary Sewer Repair	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Trunk Sewer	0	0	0	0	0	0	0	0	0	0	0
Reconstructions & Extensions of Sanitary Sewers	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	9,000,000
Sanitary Sewers Total	29,900,000	73,195,000	73,600,000	117,250,000	101,500,000	41,800,000	11,500,000	1,500,000	1,800,000	1,800,000	453,845,000
Sanitary Sewers Total	**29,900,000**	**73,195,000**	**73,600,000**	**117,250,000**	**101,500,000**	**41,800,000**	**11,500,000**	**1,500,000**	**1,800,000**	**1,800,000**	**453,845,000**

Sanitary Sewers Ten-Year Plan
Approved FY 2019 – FY 2028 Capital, Operating and Debt Service

Sanitary Sewer Rate	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 19-28
Sanitary Sewer Rate ($ per 1,000 gallons)	$1.82	$2.28	$3.17	$4.44	$6.00	$7.11	$7.71	$7.63	$7.41	$7.26	
Proposed Rate Increase	**25.0%**	**39.5%**	**40.0%**	**35.0%**	**18.5%**	**8.5%**	**-1.0%**	**-3.0%**	**-2.0%**	**0.0%**	
New Sanitary Sewer Rate	$2.28	$3.17	$4.44	$6.00	$7.11	$7.71	$7.63	$7.41	$7.26	$7.26	

Revenues	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 19-28
Sanitary Sewer System Capital Investment & Maintenance Fee	11,167,547	15,695,569	22,138,600	30,111,263	35,949,461	39,297,704	39,196,512	38,305,772	37,821,204	38,104,863	**307,788,496**
Sewer Connection Fee	2,200,000	2,310,000	2,425,500	2,546,775	2,674,114	2,807,819	2,920,132	3,036,938	3,158,415	3,284,752	**27,364,445**
New Debt Issuance	15,050,000	58,910,000	44,515,000	79,125,000	67,475,000	33,975,000	8,675,000	675,000	975,000	975,000	**310,350,000**
Prior Year Carryover	0	1,354,484	33,846	33,982	59,573	83,339	148,217	160,418	79,927	70,035	**2,023,820**
Interjurisdictional Contributions		4,360,000	16,985,000	18,300,000	14,200,000	0	0	0	0	0	**53,845,000**
State CSO Capital Share	12,000,000	8,000,000	10,000,000	19,000,000	19,000,000	7,000,000	2,000,000	0	0	0	**77,000,000**
Total Revenues	**40,417,547**	**90,630,053**	**96,097,946**	**149,117,020**	**139,358,148**	**83,163,863**	**52,939,861**	**42,178,127**	**42,034,546**	**42,434,649**	**778,371,760**

All Operating	7,436,609	8,146,511	9,256,866	10,205,418	10,964,273	11,500,940	11,724,780	11,883,080	12,086,062	12,367,259	**105,571,799**
All Capital Projects	28,807,592	72,947,354	73,197,682	118,143,571	102,415,139	42,737,303	12,460,181	2,483,791	2,808,053	2,832,986	**458,833,652**
All Debt Service	2,818,862	9,502,342	13,609,416	20,708,459	25,895,396	28,777,403	28,594,482	27,731,329	27,070,396	26,405,686	**211,113,771**
Total Expenditures	**39,063,063**	**90,596,207**	**96,063,964**	**149,057,448**	**139,274,808**	**83,015,646**	**52,779,443**	**42,098,200**	**41,964,511**	**41,605,931**	**775,519,222**

Operating Costs	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 19-28
T&ES Personnel Charges (incl. Worker's Comp)	3,285,458	3,384,022	3,485,542	3,590,109	3,697,812	3,808,747	3,923,009	4,040,700	4,161,921	4,286,778	**37,664,098**
DEC Personnel Charges	45,353	46,714	48,115	49,558	51,045	52,577	54,154	55,778	57,452	59,175	**519,921**
Additional Personnel & Consulting Services	693,100	713,893	735,310	757,369	780,090	803,493	827,598	852,426	877,998	904,338	**7,945,615**
Indirect Costs (Tr to G.F.)	1,229,814	1,656,512	2,259,897	3,004,540	3,553,369	3,873,708	3,874,731	3,803,529	3,770,125	3,807,845	**30,834,070**
Fat, Oil, Grease (FOG Program)	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	**1,900,000**
Sewer Jet Cleaning	251,206	258,742	266,504	274,500	282,735	291,217	299,953	308,952	318,220	327,767	**2,879,795**
Corrective Maintenance	85,168	87,723	90,355	93,065	95,857	98,733	101,695	104,746	107,888	111,125	**976,356**
Other Non-Personnel (Training, Utilities, Rentals, etc.)	275,355	283,616	292,124	300,888	309,914	319,212	328,788	338,652	348,811	359,276	**3,156,636**
Equipment Replacement	170,534	175,650	180,920	186,347	191,938	197,696	203,627	209,735	216,027	222,508	**1,954,981**
Sanitary Sewer Capacity Study - Flow Metering, Sewer Modeling, CMOM	450,000	463,500	477,405	491,727	506,479	521,673	537,324	553,443	570,047	587,148	**5,158,746**
Sewer Billing	150,000	154,500	159,135	163,909	168,826	173,891	179,108	184,481	190,016	195,716	**1,719,582**
Annual CCTV of Sewers	317,368	326,889	336,696	346,797	357,200	367,916	378,954	390,323	402,032	414,093	**3,638,268**
Heavy Cleaning of Sewers	293,253	302,051	311,112	320,445	330,059	339,961	350,159	360,664	371,484	382,629	**3,361,817**
Wet Weather Management Facility Operating	0	0	318,270	327,818	337,653	347,782	358,216	368,962	380,031	391,432	**2,830,164**
Rodent Abatement in Sewers	90,000	92,700	95,481	98,345	101,296	104,335	107,465	110,689	114,009	117,430	**1,031,749**
Subtotal, Operating Costs	***7,436,609***	***8,146,511***	***9,256,866***	***10,205,418***	***10,964,273***	***11,500,940***	***11,724,780***	***11,883,080***	***12,086,062***	***12,367,259***	***105,571,799***

Sanitary Sewers Ten-Year Plan
Approved FY 2019 – FY 2028 Capital, Operating and Debt Service
(continued)

Capital Projects	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 19-28
Reconstruction and Extension of Sanitary Sewers	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	**9,000,000**
Sewer Separation Projects	0	300,000	600,000	300,000	300,000	600,000	300,000	300,000	600,000	600,000	**3,900,000**
Green Infrastructure	0	350,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	**1,750,000**
Combined Sewer Permit Compliance	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	**3,000,000**
Citywide Sewershed I&I	0	3,075,000	2,850,000	4,000,000	0	0	0	0	0	0	**9,925,000**
Combined Sewer Assessment and Rehab*	1,850,000	1,275,000	1,275,000	0	0	0	0	0	0	0	**4,400,000**
AlexRenew WWTP Expansion	0	11,070,000	11,400,000	11,750,000	0	0	0	0	0	0	**34,220,000**
CSO 001 - 004	25,000,000	55,000,000	55,000,000	100,000,000	100,000,000	40,000,000	10,000,000	0	0	0	**385,000,000**
Development Studies (Landmark Sanitary Infrastructure)	100,000	0	0	0	0	0	0	0	0	0	**100,000**
Capitalized DPI Positions	606,072	624,254	642,982	662,271	682,139	702,603	723,681	745,391	767,753	790,786	**6,947,932**
Capitalize Sustainability Coordinator	51,520	53,100	54,700	56,300	58,000	59,700	61,500	63,400	65,300	67,200	**590,720**
Subtotal, Capital Projects	*28,807,592*	*72,947,354*	*73,197,682*	*118,143,571*	*102,415,139*	*42,737,303*	*12,460,181*	*2,483,791*	*2,808,053*	*2,832,986*	*458,833,652*
Debt Service	**FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**FY 2027**	**FY 2028**	**Total FY 19-28**
Debt Service Payments	*2,818,862*	*9,502,342*	*13,609,416*	*20,708,459*	*25,895,396*	*28,777,403*	*28,594,482*	*27,731,329*	*27,070,396*	*26,405,686*	***211,113,771***
Total, All Categories	**39,063,063**	**90,596,207**	**96,063,964**	**149,057,448**	**139,274,808**	**83,015,646**	**52,779,443**	**42,098,200**	**41,964,511**	**41,605,931**	**775,519,222**

*Project costs are split 50/50 between Sanitary Sewer GO Bonds and the Stormwater Utility Fund

ALEXRENEW WASTEWATER TREATMENT PLANT CAPACITY

DOCUMENT SUBSECTION:	Sanitary Sewers	PROJECT LOCATION:	1500 Eisenhower Ave.
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Southwest Quadrant
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	34,220,000	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	0	0	34,220,000
Financing Plan													
GO Bonds (Sanitary)	34,220,000	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	0	0	34,220,000
Total Financing Plan	34,220,000	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	0	0	34,220,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The City's Department of Planning and Zoning (P&Z) has developed growth forecasts for build-out conditions (post year 2040) as presented in the Sanitary Sewer Master Plan. Based on these forecasts, the City is projected to exceed its wastewater allocation at the Alexandria Renew Enterprises (AlexRenew) Water Resource Recovery Facility by approximately 4 million gallons per day (mgd) beginning sometime after 2040.

AlexRenew has indicated that their facility can be expanded/upgraded to treat this additional 4 mgd at a total capital cost of $34.2 million (increased for inflation). This cost is based on hydraulically expanding the plant at the same time as other anticipated upgrades are needed (as existing process equipment reaches the end of its useful life). Although the need for an additional 4 mgd is not anticipated until after 2040, it would be more cost-effective to perform the hydraulic expansion while other upgrades are occurring based on the timeline provided by AlexRenew.

The costs provided do not include any additional nutrient (phosphorous and nitrogen) loads associated with these flows, which the City will reach around 2040. Options for addressing these added nutrient loads have been identified in the Sanitary Sewer Master Plan and will continue to be evaluated. Funding for this project is not planned until FY 2020 – 2022. Recent discussions with AlexRenew have indicated that flows are increasing at their wastewater treatment facility at a lower rate than what was projected in the Sanitary Sewer Master Plan. However, development/redevelopment projections may need to be adjusted in flow models to account for changes in development densities in amendments to several small area plans. The City is continuing to work with AlexRenew to monitor the flows at the treatment facility.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION	ADDITIONAL OPERATING IMPACTS
Sanitary Sewer Master Plan	No additional operating impacts identified at this time.

CITYWIDE SEWERSHED INFILTRATION & INFLOW

DOCUMENT SUBSECTION:	Sanitary Sewers	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	ESTIMATE USEFUL LIFE:	30+ Years

Citywide Sewershed Infiltration & Inflow

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	29,786,440	19,861,440	0	3,075,000	2,850,000	4,000,000	0	0	0	0	0	0	9,925,000
Financing Plan													
GO Bonds (Sanitary)	25,675,000	15,750,000	0	3,075,000	2,850,000	4,000,000	0	0	0	0	0	0	9,925,000
Sanitary Sewer Fund	4,111,440	4,111,440	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	29,786,440	19,861,440	0	3,075,000	2,850,000	4,000,000	0	0	0	0	0	0	9,925,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Planned funding for FY 2019 was eliminated; sufficient funding is available for the project's current needs.

PROJECT DESCRIPTION & JUSTIFICATION

Portions of the sanitary sewer system located in the City are aging, deteriorated and require maintenance. During wet weather, infiltration and inflow into the sanitary sewers can result in over-capacity conditions that cause overflows into the environment or customers' basements. This CIP program provides for evaluation, remediation and rehabilitation of infiltration/inflow and deficient conditions for the sanitary sewer system across the entire city.

Rehabilitation of sanitary sewers and manholes in the Holmes Run Sewersheds, which impacts the Alexandria West, Landmark/Van Dorn West, and Seminary Hill/Strawberry Hill areas will be completed in FY 2018. Following completion of the rehabilitation projects, post-construction flow monitoring will be conducted beginning in FY 2018 through FY 2019 to assess the amount of infiltration and inflow removed as a result of the rehabilitation. In addition, this program will be phased into broader infrastructure issues related to infiltration and inflow across the entire sanitary sewer system to ensure dependable service in the future.

Completion of this project will help mitigate sanitary sewer overflows. Additionally, it will improve the City's sanitary sewer infrastructure and extend the infrastructure's useful life by reducing the potential of pipe collapse and other emergency repairs.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION	ADDITIONAL OPERATING IMPACTS
Sanitary Sewer Master Plan	No additional operating impacts identified at this time.

COMBINED SEWER ASSESSMENT & REHABILITATION

DOCUMENT SUBSECTION:	Sanitary Sewers	PROJECT LOCATION:	Old Town CSO Area
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Old Town
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	8,800,000	0	3,700,000	2,550,000	2,550,000	0	0	0	0	0	0	0	8,800,000
Financing Plan													
GO Bonds	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Sanitary)	4,400,000	0	1,850,000	1,275,000	1,275,000	0	0	0	0	0	0	0	4,400,000
GO Bonds (Stormwater)	4,400,000	0	1,850,000	1,275,000	1,275,000	0	0	0	0	0	0	0	4,400,000
Total Financing Plan	8,800,000	0	3,700,000	2,550,000	2,550,000	0	0	0	0	0	0	0	8,800,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 $8.8 million.

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.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

COMBINED SEWER OUTFALL (001 - 004)

DOCUMENT SUBSECTION:	Sanitary Sewers	PROJECT LOCATION:	Southwest Quadrant and CSO-001 (Pendleton Street)
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Southwest Quadrant/Old Town North
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	ESTIMATE USEFUL LIFE:	30+ Years

Combined Sewer Outfall (001 - 004)

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	390,500,000	5,500,000	25,000,000	55,000,000	55,000,000	100,000,000	100,000,000	40,000,000	10,000,000	0	0	0	385,000,000
Financing Plan													
GO Bonds (Sanitary)	258,255,000	4,100,000	13,000,000	42,640,000	28,015,000	62,700,000	66,800,000	33,000,000	8,000,000	0	0	0	254,155,000
Interjurisdictional Contributions	53,845,000	0	0	4,360,000	16,985,000	18,300,000	14,200,000	0	0	0	0	0	53,845,000
Sanitary Sewer Fund	1,400,000	1,400,000	0	0	0	0	0	0	0	0	0	0	0
State CSO Capital Share	77,000,000	0	12,000,000	8,000,000	10,000,000	19,000,000	19,000,000	7,000,000	2,000,000	0	0	0	77,000,000
Total Financing Plan	390,500,000	5,500,000	25,000,000	55,000,000	55,000,000	100,000,000	100,000,000	40,000,000	10,000,000	0	0	0	385,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Project funding updated to reflect the most recent information on project timing, and assumptions for Interjurisdictional Contributions and State support. Funding schedule also reflects the planned funding for the Wet Weather Management Facility.

PROJECT DESCRIPTION & JUSTIFICATION

As part of the FY 2018 Sanitary Sewer Ten-Year Plan, $370.2 million was added to the CIP to comply with legislation passed by the 2017 Virginia General Assembly which requires the City to accelerate its efforts to address combined sewer discharges from all four outfalls in the City. The bill mandates construction for each outfall be completed no later than July 1, 2025.

Prior to this legislation, in December 2016, the City had submitted a Long Term Control Plan Update (LTCPU) to meet permit requirements for its combined sewer system (CSS) to the Virginia Department of Environmental Quality (VDEQ). VDEQ required an update due to new regulatory requirements related to the Hunting Creek Bacteria Total Maximum Daily Load (TMDL). The update required significant reductions in combined sewer discharges from three of the City's four outfalls (CSO-002/003/004) to be implemented no later than 2035. The LTCPU also provided planning measures to address the fourth remaining outfall (CSO-001). The legislation passed by the General Assembly in 2017 supersedes the LTCPU submitted by the City by significantly accelerating the required completion time.

The funding in the Approved FY 2019 – FY 2028 CIP reflects preliminary project costs (in future dollars) and timing that would be necessary to meet the State requirement of completing construction on all four outfalls no later than July 1, 2025. The project cost will be refined as project planning continues.

The FY2019 Sanitary Sewer Plan is being updated in order to merge two projects together – Combined Sewer Outfall (001-004) and the Wet Weather Management Facility, as both address the City's CSO and wet weather requirements. As the Wet Weather Management Facility is an individual component of the overall CSO program, it is proposed that funding from this project ($17.75 million from the FY2018-2027 CIP) be included with the Combined Sewer Outfall (001-004) project and that the Wet Weather Management Facility be removed from the CIP in FY2020.

The City is assuming both interjurisdictional contributions ($53.8 million) from Fairfax County and 20% State aid ($77 million). The cities of Richmond and Lynchburg received significant state aid to help offset a portion of their CSO project costs. Despite these offsetting funding sources, the City will still need to consider significant year-over-year double digit increases in the Sanitary Sewer Maintenance and Capital Investment fee to fund this project on the State mandated timeline. The adopted Commonwealth of Virginia biennial budget for FY 2019 through FY 2020 did not contain CSO funding for Alexandria. The City will seek the start of state CSO funding from the Governor and General Assembly in 2019.

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While this CIP reflects costs to address all four outfalls as a City financed and constructed project, the City is currently in the process of transferring the outfalls to AlexRenew to finance and construct the CSO mitigation projects. The CSO Outfall Transfer Agreement was completed and signed by City (aka the Alexandria Sanitation Authority which is a City created rate-payer funded public body which operates the City's advanced waste water treatment plant)and AlexRenew on May 1, 2018. This agreement states that AlexRenew will own the CSO outfalls and will be responsible for the construction, financing and ownership of the infrastructure proposed in the Long Term Control Plan Update (LTCPU). The LTCPU was submitted to VDEQ on May 4, 2018 and was a joint submission between the City and AlexRenew. The outfall transfer between the City and AlexRenew was finalized at the June 23rd City Council Public Hearing. The City and AlexRenew received a letter from VDEQ stating that AlexRenew will become the responsible party for all CSO permit conditions and requirements effective July 1, 2018. It is anticipated that VDEQ will approve the LTCPU around this time. With the VDEQ approval, AlexRenew will take over the CSO mitigation project including largely funding, out of to-be-issued rate-payer funded revenue bonds, the $385 million needed for this CSO mitigation project.

As part of the FY 2020 CIP development, the City will update its Sanitary Sewer capital program to reflect this change in ownership of the outfalls, the related capital projects, and the revised funding plan. This will reduce the City's future sanitary sewer CIP project dollar totals significantly.

External or Internal Adopted Plan or Recommendation	Additional Operating Impacts
Sanitary Sewer Master Plan; City's Long Term Control Plan Update for the Combined Sewer System	No additional operating impacts identified at this time.

COMBINED SEWER SEPARATION PROJECTS

DOCUMENT SUBSECTION:	Sanitary Sewers	PROJECT LOCATION:	Old Town CSO Area
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Old Town/Old Town North/Braddock Metro
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	ESTIMATE USEFUL LIFE:	30+ Years

Combined Sewer Separation Projects

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	7,825,000	3,925,000	0	300,000	600,000	300,000	300,000	600,000	300,000	300,000	600,000	600,000	3,900,000
Financing Plan													
GO Bonds (Sanitary)	1,200,000	0	0	0	300,000	0	0	300,000	0	0	300,000	300,000	1,200,000
Sanitary Sewer Fund	6,625,000	3,925,000	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,700,000
Total Financing Plan	7,825,000	3,925,000	0	300,000	600,000	300,000	300,000	600,000	300,000	300,000	600,000	600,000	3,900,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Planned funding for FY 2019 was eliminated; sufficient funding is available for the project's current needs.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for the City to proactively separate small areas of combined sewers. Areas of opportunity exist for separation of combined sewer systems where construction of additional sewers a few blocks away due to new development may result in completing the separation of a larger area. Opportunities may also arise in conjunction with redevelopment in the combined sewer area.

In 2011, City staff identified portions of the King and West combined sewershed where separation may be achieved by disconnecting sanitary sewers from the combined sewer system and reconnecting to the Potomac Yard Trunk Sewer, which was designed to accommodate separated sanitary flow from this area. This project (Payne and Fayette Sewer Separation Project) was completed in FY2017 and resulted in the separation of approximately 90 sanitary laterals from the combined sewer system (CSS), meeting one of the requirements of the City's 2013-2018 CSS permit and decreasing the bacteria loading into Hooffs Run during rain events.

Additional funding was added to the FY 2018-2027 CIP for sewer separation. The City is currently in the process of identifying other areas of opportunity for sewer separation.

For the City to stay in compliance with future CSS permits, overflows from the Combined Sewer System need to be mitigated. This is primarily because of new regulatory requirements of the bacteria total Maximum Daily Load (TMDL) for Hunting Creek as well as new state legislation (see "Combined Sewer Outfall 001-004"). The CIP inlcudes $385 million in planned funding to meet the new legislation. In the current CSS permit cycle (2013-2018), the City has been required to continue implementation of Nine Minimum Controls, along with other initiatives including implementation of the Area Reduction Plan, outfall improvements, green infrastructure, and select City-led sewer separation projects. The City will also need to continue extensive monitoring, sampling, inspections, and reporting.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

T&ES Strategic Plan 2012-2015: Key Result Area III: Meet or exceed state or federal requirements of City's separate storm sewer and combined sewer system permits and maintain compliance with these environmental permits; Consistent with Eco-City Charter (Water Resources) and with Eco-City Action Plan, Chapter 4, Goal 4: Eliminate the harmful impact of combined sewer systems in the long-term, and minimize them in the short-term; City's Long Term Control Plan Update for the Combined Sewer System

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

COMBINED SEWER SYSTEM (CSS) PERMIT COMPLIANCE

DOCUMENT SUBSECTION:	Sanitary Sewers	PROJECT LOCATION:	Old Town CSO Area
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Old Town
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	ESTIMATE USEFUL LIFE:	Varies

Combined Sewer System (CSS) Permit Compliance

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	11,285,440	8,285,440	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Financing Plan													
GO Bonds (Sanitary)	245,072	245,072	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fund	11,040,368	8,040,368	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Total Financing Plan	11,285,440	8,285,440	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The City's combined sewer system (sanitary and storm sewers) comprises approximately 540 acres located in the Old Town area. During certain wet weather events, flows in excess of the sewer pipes carrying capacity are discharged into receiving waterways via one of four combined sewer outfalls. These discharges are permitted by the Virginia Department of Environmental Quality (VDEQ). The Hunting Creek Bacteria Total Maximum Daily Load (TMDL) requires reductions in these discharges from 3 of the 4 permitted outfalls (002, 003, and 004). The Virginia General Assembly in 2017 mandated reductions in the fourth outfall (001).

Funding ensures compliance with Commonwealth and Federal statutes and permits, and will continue to improve the City's combined sewer system. For the City to stay in compliance with future CSS permits, overflows from the Combined Sewer System need to be mitigated. This is primarily because of new regulatory requirements of the bacteria TMDL for Hunting Creek, along with the 2017 legislation. The CIP inlcudes $385 million in planned funding to meet these mandates.

In the current CSS permit cycle (2013-2018), along with submitting the Long Term Control Plan Update (LTCPU) to VDEQ for review and approval, the City is required to continue implementation of Nine Minimum Controls, along with other initiatives including implementation of the Area Reduction Plan (sewer separation as a condition of redevelopment), outfall improvements, green infrastructure, and select City-led sewer separation projects. The City will also need to continue extensive monitoring, sampling, inspections, and reporting.

An application for permit renewal was filed in February 2018, and future funding needs for this project is contingent upon requirements of the new permit

Approval and implementation of the LTCPU for the combined sewer system, along with other permit requirements, will enhance the ecological integrity of waterways by maintaining and improving storm water and sanitary infrastructure and stream system health to minimize environmental impacts.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

TES Strategic Plan: Key Result Area - Meet or exceed state federal requirements of the City's MS4 and combined sewer permits; Eco-City Charter

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

FOUR MILE RUN SANITARY SEWER REPAIR

DOCUMENT SUBSECTION:	Sanitary Sewers	PROJECT LOCATION:	End of Commonwealth Ave. to Bruce St.
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Potomac West
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	ESTIMATE USEFUL LIFE:	30+ Years

Four Mile Run Sanitary Sewer Repair

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,500,000	2,500,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
GO Bonds (Sanitary)	800,000	800,000	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fund	1,700,000	1,700,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,500,000	2,500,000	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project will fund the rehabilitation of the Four Mile Run sanitary sewer. During field inspections of the Four Mile Run Inflow and Infiltration project in FY 2001, surcharged manholes with significant solids were encountered along the 36-inch diameter trunk sewer upstream of the Four Mile Run pump station. Efforts to clean the trunk sewer were unsuccessful due to the heavy solids volume and compaction in the sewer. In FY 2008, a specialty contractor successfully removed the solids and an inspection and condition assessment was completed. Based on the condition assessment of the trunk sewer following the removal of the solids, rehabilitation is necessary.

Total project costs are estimated at $2.5 million, and include planning, design and engineering, construction management, and construction. The project is currently in the construction phase and will be closed out in FY 2019.

Completion of this project will improve the City's sanitary sewer infrastructure and extend its useful life, reducing potential pipe collapse and other emergency repairs.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Sanitary Sewer Master Plan

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
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	ESTIMATE USEFUL LIFE:	30+ Years

Holmes Run Trunk Sewer

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	9,002,000	9,002,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
GO Bonds (Sanitary)	4,200,000	4,200,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fund	4,302,000	4,302,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides for an increase in capacity in the Holmes Run Trunk Sewer 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.

Increased capacity is required to support development occurring in the Eisenhower Valley, as well as future development and redevelopment in the West End. Engineering studies indicated that lining the existing sewer with specialized materials would address some capacity problems. In 2008, Phase I of this project included relining the western portion of the trunk sewer from I-395 to Cameron Run. Additional engineering and analysis has determined that pipe lining alone will not increase capacity issues specifically related to wet weather sufficiently in the Phase II – East Eisenhower section. A study has been completed that recommends the construction of a Wet Weather Management Facility to address wet weather capacity issues in the East Eisenhower area and to prevent basement back-ups and sanitary sewer overflows. This wet weather management strategy was later integrated into the City's Long Term Control Plan Update for controlling combined sewer discharges from the two combined sewer outfalls located in Hooffs Run.

The City has completed discussions with AlexRenew and Fairfax County and developed a cost share agreement for proposed wet weather and combined sewer facilities. Engineering analysis between the City, Fairfax County, and AlexRenew was completed in FY 2017 which evaluated capacity issues in the Holmes Run Trunk Sewer upstream of I-395, which provided two recommendations for addressing the remaining capacity issues in this sewer, including (1) construction of a storage tank in the Dowden Terrace sewershed in Fairfax County and (2) enlargement of an existing parallel Fairfax County Holmes Run Sewer to divert flows from the AlexRenew Holmes Run Trunk Sewer.

A total of $9.0 million from the sanitary sewer fund has been budgeted in prior fiscal years for this project. Following the cost share agreement on the wet weather and combined sewer facilities that will address wet weather capacity issues in the Eisenhower Valley, it is anticipated that the City, County and AlexRenew will begin discussions regarding 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	ADDITIONAL OPERATING IMPACTS
Sanitary Sewer Master Plan	No additional operating impacts identified at this time.

RECONSTRUCTIONS & EXTENSIONS OF SANITARY SEWERS

DOCUMENT SUBSECTION:	Sanitary Sewers	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	22,692,959	13,692,959	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	9,000,000
Financing Plan													
GO Bonds (Sanitary)	6,373,708	1,673,708	200,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	4,700,000
Sanitary Sewer Fund	16,319,251	12,019,251	700,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	4,300,000
Total Financing Plan	22,692,959	13,692,959	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	9,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 in FY 2019 will be utilized to fund multiple projects in this request. Several projects are in early planning stages, while others are currently under design 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 2019 include:

- Beauregard Street Sanitary Sewer Construction (included with King & Beauregard street intersection improvement project)
- North Alfred Sewer Replacement
- Wheeler Avenue Sewer Replacement
- Royal Street Sewer Relocation Project
- Fillmore Street Sewer Replacement Project
- Rucker Place Sewer Replacement/Rehabilitation

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.

STORMWATER MANAGEMENT

Stormwater Management
Approved FY 2019 – FY 2028 Capital Improvement Program
Summary of Projects

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Stormwater Management											
Stormwater Management											
Cameron Station Pond Retrofit	0	0	0	0	0	0	0	0	0	0	0
City Facilities Stormwater Best Management Practices (BMPs)	1,133,000	0	0	0	0	0	0	0	0	0	1,133,000
Four Mile Run Channel Maintenance	0	0	0	0	600,000	0	0	0	0	0	600,000
Green Infrastructure	0	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,150,000
Lake Cook Stormwater Management	0	0	0	0	0	0	0	0	0	0	0
Lucky Run Stream Restoration	1,253,720	0	0	0	0	0	0	0	0	0	1,253,720
MS4-TMDL Compliance Water Quality Imprv.	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	48,500,000
NPDES / MS4 Permit	155,000	160,000	165,000	170,000	175,000	180,000	185,000	190,000	195,000	195,000	1,770,000
Storm Sewer Capacity Assessment	0	475,000	475,000	0	0	0	0	0	500,000	0	1,450,000
Storm Sewer System Spot Improvements	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Stormwater Utility Implementation	155,000	0	0	0	0	0	0	0	0	0	155,000
Stream & Channel Maintenance	365,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,415,000
Stormwater Management Total	3,861,720	4,735,000	4,740,000	4,770,000	5,375,000	8,280,000	8,285,000	8,290,000	10,795,000	6,295,000	65,426,720
Stormwater Management Total	**3,861,720**	**4,735,000**	**4,740,000**	**4,770,000**	**5,375,000**	**8,280,000**	**8,285,000**	**8,290,000**	**10,795,000**	**6,295,000**	**65,426,720**

Stormwater Management Utility Ten-Year Plan
Approved FY 2019 – FY 2028 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 2019 and a preliminary estimate for FY 2020 – FY 2028. As the Stormwater Utility project enters Phase II, staff will continue to refine cost estimates and the structure and timing of changes to the Stormwater Utility Rate. 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.

Stormwater Rate	**FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**FY 2027**	**FY 2028**	
Stormwater Utility Rate per ERU	$140.00	$140.00	$152.60	$159.47	$166.64	$184.14	$220.97	$230.91	$241.30	$252.16	
Proposed Rate Increase	**0.0%**	**9.0%**	**4.5%**	**4.5%**	**10.5%**	**20.0%**	**4.5%**	**4.5%**	**4.5%**	**4.5%**	
New Stormwater Utility Rate	$140.00	$152.60	$159.47	$166.64	$184.14	$220.97	$230.91	$241.30	$252.16	$263.51	

Revenues	**FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**FY 2027**	**FY 2028**	**Total FY 19-28**
Billing Units	60,175	60,415	60,657	60,900	61,143	61,388	61,633	61,880	62,127	62,374	
Annual Revenue Generation	8,424,500	9,219,329	9,672,790	10,148,560	11,258,905	13,564,823	14,231,813	14,931,847	15,666,064	16,436,124	**123,554,753**
Other Revenue Sources	21,017	21,514	26,628	25,583	26,004	27,210	28,214	28,770	29,595	29,595	**264,130**
Revenue Stream Reductions	(312,366)	(321,737)	(331,389)	(341,331)	(351,571)	(362,118)	(372,981)	(384,171)	(395,696)	(407,567)	**(3,580,926)**
New Debt Issuance	3,683,000	4,050,000	4,100,000	3,275,000	3,275,000	4,775,000	4,715,000	4,715,000	6,715,000	0	**39,303,000**
Prior Year Surplus/Deficit	0	0	(325,385)	(708,986)	(645,877)	(647,298)	(619,051)	(591,942)	(551,321)	(1,077,019)	**(5,166,880)**
Total Revenues	**11,816,151**	**12,969,106**	**13,142,643**	**12,398,825**	**13,562,461**	**17,357,617**	**17,982,995**	**18,699,504**	**21,463,642**	**14,981,132**	**154,374,077**

Expenditures	**FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**FY 2027**	**FY 2028**	**Total FY 19-28**
All Operating	5,355,036	5,628,039	5,600,590	5,771,404	6,098,215	6,499,140	6,697,562	6,968,727	7,181,474	7,410,750	**63,210,938**
All Capital Projects	5,797,530	6,334,200	6,534,433	5,310,225	5,936,693	8,863,754	8,891,525	8,920,026	11,449,175	6,973,991	**75,011,552**
All Debt Service	663,585	1,332,252	1,716,607	1,963,073	2,174,851	2,613,774	2,985,849	3,362,072	3,910,012	4,060,926	**24,783,001**
Total Expenditures	**11,816,151**	**13,294,491**	**13,851,630**	**13,044,702**	**14,209,759**	**17,976,668**	**18,574,936**	**19,250,825**	**22,540,661**	**18,445,667**	**163,005,491**

Operating Costs	**FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**FY 2027**	**FY 2028**	**Total FY 19-28**
TES Personnel	3,124,599	3,218,337	3,314,887	3,414,334	3,516,764	3,622,267	3,730,935	3,842,863	3,958,149	4,076,893	**35,820,026**
Main Operating	506,262	521,450	537,093	553,206	569,802	586,896	604,503	622,638	641,318	660,557	**5,803,726**
BMP's Operation	260,008	267,808	275,842	284,118	292,641	301,421	310,463	319,777	329,370	339,251	**2,980,700**
Oronoco Outfall Maintenance	100,000	103,000	106,090	109,273	112,551	115,927	119,405	122,987	126,677	130,477	**1,146,388**
Additional operating impact from capital	178,000	183,340	188,840	194,505	200,341	206,351	212,541	218,918	225,485	232,250	**2,040,571**
Indirect Costs	775,054	848,178	889,897	933,667	1,035,819	1,247,964	1,309,327	1,373,730	1,441,278	1,512,123	**11,367,037**
Contingent Cash Funding	411,113	485,926	287,940	282,301	370,297	418,315	410,388	467,814	459,198	459,198	**4,052,490**
Subtotal, Operating Costs	*5,355,036*	*5,628,039*	*5,600,590*	*5,771,404*	*6,098,215*	*6,499,140*	*6,697,562*	*6,968,727*	*7,181,474*	*7,410,750*	*63,210,938*

Stormwater Management Utility Ten-Year Plan
Approved FY 2019 – FY 2028 Capital, Operating and Debt Service
(continued)

Capital Projects	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 19-28
Cameron Station Pond Retrofit	0	0	0	0	0	0	0	0	0		**0**
City Facilities Stormwater Best Management Practices (BMPs)	1,133,000	0	0	0	0	0	0	0	0		**1,133,000**
Four Mile Run Channel Maintenance	0	0	0	0	600,000	0	0	0	0		**600,000**
Green Infrastructure in CSO Areas (1)	0	0	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	**1,400,000**
Lake Cook Stormwater Management	0	0	0	0	0	0	0	0	0		**0**
Lucky Run Stream Restoration	585,000	0	0	0	0	0	0	0	0		**585,000**
MS4-TMDL Compliance Water Quality Improvements	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	**48,500,000**
NPDES / MS4 Permit	155,000	160,000	165,000	170,000	175,000	180,000	185,000	190,000	195,000	195,000	**1,770,000**
Storm Sewer Capacity Assessment	0	475,000	475,000	0	0	0	0	0	500,000	0	**1,450,000**
Storm Sewer System Spot Improvements	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	**3,000,000**
Stormwater Utility Study	155,000	0	0	0	0	0	0	0	0		**155,000**
Stream and Channel Maintenance	365,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	**4,415,000**
Combined Sewer Assessment and Rehab (2)	1,850,000	1,275,000	1,275,000	0	0	0	0	0	0		**4,400,000**
Landmark Stormwater Infrastructure Study	100,000	0	0	0	0	0	0	0	0	0	**100,000**
DPI Personnel	603,010	621,100	639,733	658,925	678,693	699,054	720,025	741,626	763,875	786,791	**6,912,832**
Capitalized Sustainability Coordinator	51,520	53,100	54,700	56,300	58,000	59,700	61,500	63,400	65,300	67,200	**590,720**
Subtotal, Capital Projects	*5,797,530*	*6,334,200*	*6,534,433*	*5,310,225*	*5,936,693*	*8,863,754*	*8,891,525*	*8,920,026*	*11,449,175*	*6,973,991*	*75,011,552*
Debt Service	**FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**FY 2027**	**FY 2028**	**Total FY 19-28**
Total Debt Service Payments	*$663,585*	*$1,332,252*	*$1,716,607*	*$1,963,073*	*$2,174,851*	*$2,613,774*	*$2,985,849*	*$3,362,072*	*$3,910,012*	*$4,060,926*	*$24,783,001*
Total Expenditures, All Categories	**11,816,151**	**13,294,491**	**13,851,630**	**13,044,702**	**14,209,759**	**17,976,668**	**18,574,936**	**19,250,825**	**22,540,661**	**18,445,667**	*163,005,491*

Notes:
(1) This project is funded through the Sanitary Sewer Fund for FY 2019 & FY 2020, and then the project cost is split evenly between the Sanitary Sewer Fund and Stormwater Utility Fund for FY 2021 - 2028.
(2) This project is part of the Sanitary Sewer section of the CIP. However, a portion of the project in FY 2019 - 2021 is funded through the Stormwater Utility Fund.

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
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	3,750,000	3,750,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
GO Bonds	1,125,000	1,125,000	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
Private Capital Contributions	250,000	250,000	0	0	0	0	0	0	0	0	0	0	0
Stormwater Local Assistance Grant	1,750,000	1,750,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	3,750,000	3,750,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	1,371,466	0	0	135,000	139,050	143,222	147,518	151,944	156,502	161,197	166,033	171,000	1,371,466

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 implementaiton 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 is one of the most cost effective strategies to meet the identified pollution reduction requirements.

In order to comply with these targets, the City has been discussing these strategies 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 looked into options and alternatives for treating stormwater and provided corresponding costs. The City's Phase 1 Chesapeake Bay TMDL Action Plan for acheiving 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 is due June 2018, with the final due one year after the effective date of the 2018 – 2023 MS4 General Permit. The City's approved Bay TMDL Action Plan and the draft Phase 2 Action Plan identifies retrofit of large regional stormwater facilities as a strategy towards meeting pollution reduction goals.

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

Average operational costs based on published studies of such facilities with enhanced amenities and visibility are estimated at $135,000 annually beginning in FY 2020, with a three percent annual inflation factor included each year thereafter.

CITY FACILITIES STORMWATER BEST MANAGEMENT PRACTICES (BMPS)

DOCUMENT SUBSECTION:	Stormwater Management	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,633,000	500,000	1,133,000	0	0	0	0	0	0	0	0	0	1,133,000
Financing Plan													
Cash Capital	125,000	125,000	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
GO Bonds (Stormwater)	1,133,000	250,000	883,000	0	0	0	0	0	0	0	0	0	883,000
Stormwater Utility	375,000	125,000	250,000	0	0	0	0	0	0	0	0	0	250,000
Total Financing Plan	1,633,000	500,000	1,133,000	0	0	0	0	0	0	0	0	0	1,133,000
Additional Operating Impact	286,578	0	25,000	25,750	26,523	27,318	28,138	28,982	29,851	30,747	31,669	32,600	286,578

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 (Bay) Total Maximum Daily Load (TMDL) enforced through three 5-year MS4 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 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) by 2028. The City's 2018 – 2023 MS4 General Permit mandating the total 40% Bay reductions by June 30, 2023 is scheduled to be in effect on or after July 1, 2018 and remain in effect through June 30, 2023.

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 Chesapeake Bay TMDL Action Plan for acheiving 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 is due June 2018, with the final due one year after the effective date of the 2018 – 2023 MS4 General Permit. The City's DEQ-approved Chesapeake Bay TMDL Action Plan identifies BMP retrofits on City properties as a strategy towards meeting mandated pollutant reduction goals.

Working closely with the General Services and Recreation, Parks and Cultural Activities departments, the following locations, among others, have been identified 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 currently 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 include 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.

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; Cheapeake Bay TMDL Action Plan; T&ES Strategic Plan; Eco-City Charter and Action Plan

ADDITIONAL OPERATING IMPACTS

Average operational costs based on published studies of such facilities with enhanced amenities and visibility are estimated at $25,000 annually beginning in FY 2019, with a three percent annual inflation factor included each year thereafter.

FOUR MILE RUN CHANNEL MAINTENANCE

DOCUMENT SUBSECTION:	Stormwater Management	PROJECT LOCATION:	Four Mile Run Stream/Channel
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Potomac West
		PROJECT CATEGORY:	2
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	ESTIMATE USEFUL LIFE:	6 - 10 Years

Four Mile Run Channel Maintenance

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	3,293,000	2,693,000	0	0	0	0	600,000	0	0	0	0	0	600,000
Financing Plan													
Cash Capital	300,000	300,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	2,093,000	2,093,000	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility	900,000	300,000	0	0	0	0	600,000	0	0	0	0	0	600,000
Total Financing Plan	3,293,000	2,693,000	0	0	0	0	600,000	0	0	0	0	0	600,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 USACE is currently reviewing the plans to make maintenance repairs to the flood walls, embankments, and gabions.

To date, $2.69 million in City funding has been applied to the project. Funding is programmed in the 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. Discussions with Arlington County are in process for a sediment removal project. Levee/flood wall maintenance remains the responsibility of the jurisdiction where each levee/wall is located.

The City is now in discussions with MWCOG and the USACE to revise and update the coastal inundation model for the DC Metropolitan region along the Potomac and Anacostia Rivers. The USACE Coastal Storm Risk Management Study goal is to reduce coastal flood risk to vulnerable populations, properties, infrastructure, and environmental and cultural resources considering future climate and sea level change scenarios to support resilient communities within the DC Metropolitan region, including areas in and around Four Mile Run. MWCOG has discussed this planned project with staff;the scope is going to be revised, and MWCOG will follow up with localiities.

Early estimates for a total cost of the project were $4.0M, but has now increased to over $5.0M. The revised estimated projected cost share for Alexandria has risen from $300,000 to over $400,000, programmed over three years. Prior year funding remainssufficient to fund Alexandria's share of this study, if the City agrees with the scope changes.

The regular maintenance to the flood control system ensures that the flood control project will perform as predicted and protects citizens and property from flooding.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Eco-City Charter and Action Plan; MS4 permit

ADDITIONAL OPERATING IMPACTS

No additional operating impacts identified at this time.

GREEN INFRASTRUCTURE

DOCUMENT SUBSECTION:	Stormwater Management	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	4,650,000	1,500,000	0	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,150,000
Financing Plan													
Cash Capital	750,000	750,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Sanitary)	1,750,000	0	0	350,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	1,750,000
Sanitary Sewer Fund	750,000	750,000	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility	1,400,000	0	0	0	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	1,400,000
Total Financing Plan	4,650,000	1,500,000	0	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,150,000
Additional Operating Impact	52,998	0	2,000	2,060	3,322	3,422	4,925	5,073	6,825	7,030	9,041	9,300	52,998

CHANGES FROM PRIOR YEAR CIP

Planned funding for FY 2019 was eliminated; sufficient funding is available for the project's current needs.

PROJECT DESCRIPTION & JUSTIFICATION

This project receives funding from both the sanitary sewer and stormwater management special revenue funds for study, design, and construction of green infrastructure projects. This project is consistent with the objectives of the citywide apporach to implement Green Infrastructure for the combined sewer system (CSS), and the water pollution reduction goals in the City's Chesapeake Bay Total Maximum Daily Load (TMDL) Action Plan for the municipal separate storm sewer system (MS4) general permit. Projects completed will implement green infrastructure in the City to help the City address regulatory requirements.

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.

Prior year funding will be used for the design and construction of green infrastructure demonstration project(s) in the combined sewer area, with additional other 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 Study will take place in FY2019 supplemented by prior year funding that will focus on a citywide approach to implementation. Funding for projects identified through these efforts will be used for future years and supplemented, as needed, thorugh the MS4-TMDL Compliance project. Construction of the current project is scheduled for completion in FY 2019/FY2020. Consistent with the City's planning documents that include green infrastructure as a strategy, funding has been added to the FY2019 – FY 2027 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

There are operating impacts associated with the inspection and maintenance of green infrastructure. Approximatelyf $2,000 is estimated for each facility, starting with the pilot project anticipated to go online in 2019, with cost increases based on inflation and as new green infrastructure projects are built. Additional operating impacts will be identified as projects are installed. Costs are based on current costs for green infrastructure at City facilities.

LAKE COOK STORMWATER MANAGEMENT

DOCUMENT SUBSECTION:	Stormwater Management	PROJECT LOCATION:	4001 Eisenhower Ave, Alexandria, VA 22304
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Seminary Hill
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	ESTIMATE USEFUL LIFE:	30+ Years

Lake Cook Stormwater Management

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	4,292,000	4,292,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	1,312,000	1,312,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	1,500,000	1,500,000	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	280,000	280,000	0	0	0	0	0	0	0	0	0	0	0
Stormwater Local Assistance Grant	1,200,000	1,200,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	4,292,000	4,292,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	1,180,787	0	103,000	106,090	109,273	112,551	115,927	119,405	122,987	126,677	130,477	134,400	1,180,787

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 (Bay) Total Maximum Daily Load (TMDL) enforced through three 5-year MS4 permit cycles. Accordingly, the permit requires the City to implement practices sufficient to achieve 5% of the reduction targets during 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 5-year permit cycle (2023-2018) by 2028.

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 is one of the most cost effective strategies to meet the identified pollution reduction requirements. In order to comply with these targets, the City has been discussing these strategies and other options available through the Water Quality Steering Committee and Water Quality Workgroup. The City also completed the Chesapeake Bay TMDL Compliance Analysis and Options report that looked into options and alternatives for treating stormwater and corresponding costs, and subsequently completed the Bay TMDL Action Plan listing this project as a strategy for compliance. The Bay TMDL Action Plan for 5% compliance was approved by DEQ on January 12, 2016. The City's draft Bay TMDL Action Plan for achieving a total 40% compliance is due June 2018, with the final submitted for DEQ review within one year of the 2018 – 2023 general permit effective date.

In order to capitalize on an opportunity available to seek a stormwater improvement grant, the City pursued and received $1.2 million matching grant under the state Stormwater Local Assistance Fund (SLAF) for the Lake Cook retrofit project, which was matched by the City. Once completed, Lake Cook is expected to treat stormwater from a total of approximately 300 acres, of which approximately 100 acres are impervious, and is expected to meet approximately 15% of the total pollution reduction requirements of the City. This project also offers an opportunity to enhance the recreational elements of this facility, making it more of an amenity than it is currently.

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

Average operational costs based on published studies of such facilities with enhanced amenities and visibility are estimated at $103,000 annually beginning in FY 2019, with a three percent annual inflation factor included each year thereafter.

LUCKY RUN STREAM RESTORATION

DOCUMENT SUBSECTION:	Stormwater Management	PROJECT LOCATION:	2601 Gadsby Place
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Beauregard
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,953,720	700,000	1,253,720	0	0	0	0	0	0	0	0	0	1,253,720
Financing Plan													
GO Bonds	400,000	400,000	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	550,000	150,000	400,000	0	0	0	0	0	0	0	0	0	400,000
Prior Year/Close-Out	150,000	150,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	668,720	0	668,720	0	0	0	0	0	0	0	0	0	668,720
Stormwater Utility	185,000	0	185,000	0	0	0	0	0	0	0	0	0	185,000
Total Financing Plan	1,953,720	700,000	1,253,720	0	0	0	0	0	0	0	0	0	1,253,720
Additional Operating Impact	17,785	0	0	0	2,000	2,060	2,122	2,185	2,251	2,319	2,388	2,460	17,785

CHANGES FROM PRIOR YEAR CIP

This is a new project in FY 2019. This project was originally part of the Stream & Channel Maintenance parent project but has been separated into a new project. This includes the transfer of $700,00 in prior year funds and $585,000 in planned FY 2019 funds from the Stream & Channel Maintenance project to Lucky Run Stream Restoration.

PROJECT DESCRIPTION & JUSTIFICATION

Urban Stream Restoration is a strategy identified in the City's Chesapeake Bay Total Maximum Daily Load (TMDL) Action Plan to reduce pollution and address the Bay TMDL mandates in the City's Municipal Separate Storm Sewer System (MS4) permit. The project also allows restoration of ecological habitats. Additionally, the project will address an exposed portion of the sanitary sewer located along the existing stream bank by burying the sanitary sewer and moving that portion of the stream away from the sewer. This project will be 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 stream assessment to obtain information on conditions to guide in protecting and restoring local streams. During these assessments, Lucky Run was identified as having unfavorable conditions that make it a prime candidate for a stream restoration project. The Chesapeake Bay TMDL Compliance Analysis and Options report 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, make it more of an amenity, and address the exposed sanitary sewer.

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.

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

Stream restoration projects create an enhanced stability to the stream and require minimal operational costs when designed and constructed properly. Operating impacts are mostly due to inspection and minimal maintenance at approximately $2,000 annually beginning in FY 2021, with a three percent annual inflation factor included each year thereafter.

MS4-TMDL COMPLIANCE WATER QUALITY IMPRV.

DOCUMENT SUBSECTION:	Stormwater Management	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	ESTIMATE USEFUL LIFE:	30+ Years

MS4-TMDL Compliance Water Quality Imprv.

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	48,500,000	0	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	48,500,000
Financing Plan													
Cash Capital	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
GO Bonds (Stormwater)	31,310,000	0	250,000	2,250,000	2,300,000	2,750,000	2,750,000	4,250,000	4,190,000	4,190,000	6,190,000	2,190,000	31,310,000
Stormwater Utility	17,190,000	0	250,000	750,000	700,000	750,000	750,000	2,750,000	2,810,000	2,810,000	2,810,000	2,810,000	17,190,000
Total Financing Plan	48,500,000	0	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	9,000,000	5,000,000	48,500,000
Additional Operating Impact	1,153,889	0	50,000	51,500	53,045	100,000	103,000	150,000	154,500	159,135	163,909	168,800	1,153,889

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 (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 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 Water Quality Steering Committee and Water Quality Workgroup, along with other internal 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, 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 due June 1, 2018, with the final Action Plan due no later than 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 a large portion of the required reductions in the next ten years. In addition to retrofit of regional facilities, implementation of Green Infrasturture as stormwater quality retrofits of City facilitiesand right-of-way retrofits, along with urban stream restoration, are some of the strategies that will be implemented to meet the required reductions. As the specific projects to achieve these reductions are identified and developed, this funding is used to support those projects.

The Bay TMDL Action Plan for 5% compliance was approved by DEQ on January 12, 2016. The City's draft Bay TMDL Action Plan for achieving a total 40% compliance is due June 2018, with the final submitted for DEQ no later than one year from the effective date of the 2018 – 2023 MS4 General Permit.

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, 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). For FY 2019 and beyond, estimates are based on staff planning and will be revised as the 2018 – 2023 MS4 permit requirements and other regulatory expectations become clearer through the development of the Phase III Watershed Implementation Plan (WIP III) and the issuance of the next MS4 permit.

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

Operating impact to cover for the maintenance of the retrofit facilities that will be coming online is estimated at $50,000 in FY 2019 and increasing to $150,000 by FY 2024. Costs will be lower in FY 2019 as the facilities that come online will be newer. With passing time, the City's inspection and maintenance program will continue to become more rigorous to maintain the Bay TMDL water pollution reduction credits and compliance with the City's MS4 permit and Bay TMDL Action Plans.

NPDES / MS4 PERMIT

DOCUMENT SUBSECTION:	Stormwater Management	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,270,000	500,000	155,000	160,000	165,000	170,000	175,000	180,000	185,000	190,000	195,000	195,000	1,770,000
Financing Plan													
Cash Capital	75,000	75,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility	1,845,000	75,000	155,000	160,000	165,000	170,000	175,000	180,000	185,000	190,000	195,000	195,000	1,770,000
Total Financing Plan	2,270,000	500,000	155,000	160,000	165,000	170,000	175,000	180,000	185,000	190,000	195,000	195,000	1,770,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 qualtiy 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 July 1, 2013 and is effective through June 30, 2018. Each successive permit contains increased regulatory requirements which necessitate more resources. The current 2013 – 2018 general permit and the draft 2018-2023 MS4 general permit is no exception, with requirements for increased public education and outreach, increased staff training, revisions to Total Maximum Daily Load (TMDL) plans, implementation of Storwmater Pollution Prevention Plans (SWPPPs), enhanced inspections, greater data collection, and additional reporting. The permits continue to contain increasingly stringent mandates to address the Chesapeake Bay TMDL. Following reissuance this summer, the 2018 – 2023 MS4 General Permit will be effective thorugh June 30, 2023.

By June 2018, the City must develop and submit a registration statement as an application for coverage under the 2018 – 2023 MS4 general permit, which includes a Phase 2 Chesapeake Bay Total Maximum Daily Load (TMDL) Action Plan that must contain strategies to achieve an additional 35% of reductions in nutrients and sediment by 2023. The 2018-2023 MS4 general permit will also require the City to update the MS4 Program Plan to include new programmactic compliance activies in the permit, 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. New guidance for increased requirements for the Phase 2 Bay TMDL Action Plan has not yet been provided by DEQ.

Finally, new requirements under the Virginia Watershed Implementation Plan Phase III (WIP III) that is being developed towards the end of 2018 are likely to include increased nutrient and sediment requirements to be enforced through the City’s 2023 – 2028 MS4 permit.

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.

STORM SEWER CAPACITY ASSESSMENT

DOCUMENT SUBSECTION:	Stormwater Management	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,450,000	0	0	475,000	475,000	0	0	0	0	0	500,000	0	1,450,000
Financing Plan													
Cash Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility	1,450,000	0	0	475,000	475,000	0	0	0	0	0	500,000	0	1,450,000
Total Financing Plan	1,450,000	0	0	475,000	475,000	0	0	0	0	0	500,000	0	1,450,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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.

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 looked 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 2020 and FY 2021 will provide for updated analysis, additional data collection, flow modeling, and updated mapping.

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 proactive solutions in protecting citizens and property from stormwater flooding.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION	ADDITIONAL OPERATING IMPACTS
Eco-City Charter; Strategic Plan	No additional operating impacts identified at this time.

STORM SEWER SYSTEM SPOT IMPROVEMENTS

DOCUMENT SUBSECTION:	Stormwater Management	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	9,915,221	6,915,221	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Financing Plan													
GO Bonds	0	0	0	0	0	0	0	0	0	0	0	0	0
GO Bonds (Stormwater)	3,155,000	155,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Prior City Funding	6,760,221	6,760,221	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	9,915,221	6,915,221	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 due to the need for additional capacity to reduce 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 2019 planning efforts include a wider identification and formal prioritization of projects for consideration of funding under this capital program. This more formal effort will include the development of a ranking and prioritization for those identified projects, with implmentation pending identification of funding.

Current and future projects include, but are not limited to:

- DASH Bus Facility Flood Mitigation
- Lloyd's Lane
- Cameron Street Outfall (Founders Park)
- Saylor Place Storm Sewer Improvements

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 UTILITY IMPLEMENTATION

DOCUMENT SUBSECTION:	Stormwater Management	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	3
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,089,200	934,200	155,000	0	0	0	0	0	0	0	0	0	155,000
Financing Plan													
Cash Capital	934,200	934,200	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility	155,000	0	155,000	0	0	0	0	0	0	0	0	0	155,000
Total Financing Plan	1,089,200	934,200	155,000	0	0	0	0	0	0	0	0	0	155,000
Additional Operating Impact	1,554,169	0	0	152,982	157,571	162,299	167,168	172,183	177,348	182,669	188,149	193,800	1,554,169

CHANGES FROM PRIOR YEAR CIP

No financial changes from prior CIP. Project retitled to “Stormwater Utility Implementation”.

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 reductionmandates 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 exceed 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 will implement a Stormwater Utility Fee, effective January 1, 2018 and billed in May 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. This project will be used to fund the development of the Phase 2 Credit Manual for Residential Properties to be adopted in FY 2019. Funding will also be used for the continued implementation of the the Stormwater Utiltiy, to include consultant work, temporary GIS professional services, database management, additional systems development (database modeling, intergration and user interfaces), ongoing GIS data management, and other identified needs to successfully implement the utility. Additionally, 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

The FY 2019 CIP funds the continued refining and implementation of the Stormwater Utility through funding temporary services and/or contractor services. By FY 2020, it is assumed that additional partial FTEs may be needed for applications integration and increased GIS/IT core responsiblities to continue implementation of the utility, that would be funded through revenue from the Stormwater Utility Fee.

STREAM & CHANNEL MAINTENANCE

DOCUMENT SUBSECTION:	Stormwater Management	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Transportation and Environmental Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	1
PRIMARY STRATEGIC THEME:	Theme 8: Environmental Sustainability	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	11,534,584	7,119,584	365,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,415,000
Financing Plan													
Cash Capital	250,000	250,000	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
GO Bonds (Stormwater)	2,475,000	450,000	0	225,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	2,025,000
Prior City Funding	6,219,584	6,219,584	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	0	0	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility	2,590,000	200,000	365,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	2,390,000
Total Financing Plan	11,534,584	7,119,584	365,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,415,000
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 $700,00 in prior year funds and $585,000 in planned FY 2019 funds was transferred from the Stream & Channel Maintenance project to Lucky Run Stream Restoration.

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, and stream stabilization/restoration.

Prior to moving ahead with restoration projects originally planned for FY 2019 and FY 2020, a citywide stream study will be conducted, which will help the City to develop overall strategy to deal with degraded streams and will assist in prioritizing the projects. This Phase III Stream Assessment and Outfall Restoration is currently underway, which will prioritize identified projects for future construction.

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 projects broken out into single projects, such as Lucky Run Stream Restortation.

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.

OTHER REGIONAL CONTRIBUTIONS

Other Regional Contributions
Approved FY 2019 – FY 2028 Capital Improvement Program
Summary of Projects

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
Other Regional Contributions											
Other Regional Contributions											
Northern Virginia Community College (NVCC)	358,794	403,000	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	4,131,794
Northern Virginia Regional Park Authority (NVRPA)	400,432	444,000	448,000	453,000	457,000	462,000	466,000	471,000	476,000	481,000	4,558,432
Other Regional Contributions Total	759,226	847,000	855,000	864,000	872,000	881,000	889,000	898,000	908,000	917,000	8,690,226
Other Regional Contributions Total	**759,226**	**847,000**	**855,000**	**864,000**	**872,000**	**881,000**	**889,000**	**898,000**	**908,000**	**917,000**	**8,690,226**

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)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	8,447,117	4,315,323	358,794	403,000	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	4,131,794
Financing Plan													
Cash Capital	5,180,338	1,048,544	358,794	403,000	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	4,131,794
Prior City Funding	3,266,779	3,266,779	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	8,447,117	4,315,323	358,794	403,000	407,000	411,000	415,000	419,000	423,000	427,000	432,000	436,000	4,131,794
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 2019, the City's share of the regional subsidy to NVCC is $358,794, or 6.5% percent of the total local capital request of $5.5 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 2019, 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 2020 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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Population Estimate	159,464	161,059	162,669	164,296	165,939
Population Growth Rate		1.00%	1.00%	1.00%	1.00%
Per Capital Rate	$ 2.25	$ 2.50	$ 2.50	$ 2.50	$ 2.50
Capital Outlay Request	**358,794**	**403,000**	**407,000**	**411,000**	**415,000**

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Population Estimate	167,598	169,274	170,967	172,677	174,403
Population Growth Rate	1.00%	1.00%	1.00%	1.00%	1.00%
Per Capital Rate	$ 2.50	$ 2.50	$ 2.50	$ 2.50	$ 2.50
Capital Outlay Request	**419,000**	**423,000**	**427,000**	**432,000**	**436,000**

Notes

FY 2019 population figures are from Weldon Cooper Center for Public Service Demographics Research Group (revised January 30, 2017).

Rate per Capital is estimated for FY 2020 and beyond.

Table B: Regional Jurisdiction Contributions

Jurisdiction	Population	Rate per Capita	Capital Contribution
City of Alexandria	159,464	$2.25	$ 358,794
Arlington County	236,691	$2.25	$ 532,555
Fairfax City	23,257	$2.25	$ 52,328
Fairfax County (1)	1,137,290	$2.25	$ 2,540,993
Falls Church City	14,123	$2.25	$ 31,777
Loudoun County	385,327	$2.25	$ 866,986
Manassas City	41,616	$2.25	$ 93,636
Manassas Park City	15,802	$2.25	$ 35,555
Prince William County	448,050	$2.25	$ 1,008,113
Total	2,461,620		$ 5,520,737

(1) Fairfax Country contribution held at fiscal year 2018 amount.

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	REPORTING AREA:	Regional
SUPPORTING DEPARTMENT(S):	Recreation, Parks & Cultural Activities	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)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	11,279,477	6,721,045	400,432	444,000	448,000	453,000	457,000	462,000	466,000	471,000	476,000	481,000	4,558,432
Financing Plan													
Cash Capital	5,722,585	1,164,153	400,432	444,000	448,000	453,000	457,000	462,000	466,000	471,000	476,000	481,000	4,558,432
Prior City Funding	5,556,892	5,556,892	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	11,279,477	6,721,045	400,432	444,000	448,000	453,000	457,000	462,000	466,000	471,000	476,000	481,000	4,558,432
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 2019 NVRPA capital budget total, the City's share is $400,432. For FY 2019, the NVRPA Board decided to keep the per capita rate that same as FY 2018, which was $2.57 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 $294,481 is included as part of the FY 2019 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

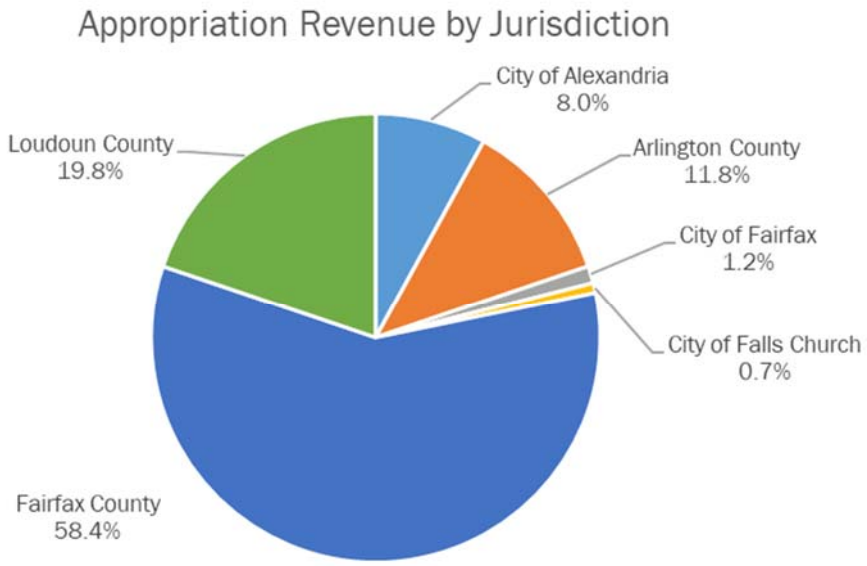


Table B: Regional Jurisdiction Contribution

	2019 Estimated Population	Per Capita Cost	Percent of Total Population	FY 2019 Capital Request
City of Alexandria	155,810	$2.57	8.00%	$ 400,432
Arlington County	230,050	$2.57	11.81%	$ 591,229
City of Fairfax	24,164	$2.57	1.24%	$ 62,101
City of Falls Church	14,014	$2.57	0.72%	$ 36,016
Fairfax County	1,138,652	$2.57	58.43%	$ 2,926,336
Loudoun County	385,945	$2.57	19.81%	$ 991,879
TOTAL	1,948,635			$ 5,007,992

Notes

1. The FY 2019 population estimate is based on the U.S. Census "Annual Estimates of the Resident Population for Counties of Virginia" as of July 2016, with a release date of May 2017.
2. The Northern Virginia Community College (NVCC) and NVRPA use different population estimates to allocate contributions.

IT PLAN

IT Plan
Approved FY 2019 – FY 2028 Capital Improvement Program
Summary of Projects

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
IT Plan											
Document Management											
Document Imaging	50,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	330,000
Document Management Total	50,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	330,000
Financial Systems											
Business Tax System/Reciprocity Contractor System	0	375,000	0	0	0	0	0	0	0	0	375,000
Employee Pension Administration System	300,000	50,000	0	0	0	175,000	25,000	0	0	0	550,000
Enterprise Resource Planning System	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	360,000
Personal Property Tax System	460,000	0	0	0	0	60,000	280,000	0	0	0	800,000
Phone, Web, Portable Device Payment Portals	0	200,000	0	0	0	0	160,000	0	0	0	360,000
Real Estate Account Receivable System	0	0	0	0	0	0	0	800,000	0	0	800,000
Real Estate Assessment System (CAMA)	15,000	15,000	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	985,000
Financial Systems Total	775,000	680,000	890,000	55,000	55,000	290,000	520,000	855,000	55,000	55,000	4,230,000
Geographic Information Systems											
GIS Development	0	100,000	50,000	200,000	50,000	150,000	40,000	100,000	50,000	115,000	855,000
Geographic Information Systems Total	0	100,000	50,000	200,000	50,000	150,000	40,000	100,000	50,000	115,000	855,000
Network Services											
Connectivity Initiatives	525,000	552,000	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	6,577,000
Database Infrastructure	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	80,000	80,000	440,000
Enterprise Camera System	0	0	0	0	0	0	0	0	0	0	0
Enterprise Collaboration	0	40,000	40,000	40,000	40,000	20,000	20,000	40,000	40,000	40,000	320,000
Enterprise Data Storage Infrastructure	350,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	375,000	3,025,000
Enterprise Service Catalog	0	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	320,000
Information Technology Equipment Replacement	382,000	400,000	405,000	460,000	460,000	450,000	450,000	470,000	500,000	500,000	4,477,000
Information Technology Lump Sum Funding	0	0	3,130,000	3,265,000	3,687,000	3,000,000	3,130,000	3,200,000	3,400,000	3,400,000	26,212,000
IT Enterprise Management System	0	0	0	0	0	0	0	0	0	0	0
LAN Development	15,000	0	0	0	0	0	0	0	0	0	15,000
LAN/WAN Infrastructure	775,000	748,000	821,000	0	0	0	0	0	0	0	2,344,000
Municipal Fiber	5,000,000	0	0	0	0	0	0	0	0	0	5,000,000
Network Security	200,000	280,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	300,000	1,480,000
Network Server Infrastructure	175,000	500,000	0	0	0	0	0	0	0	0	675,000
Remote Access	150,000	150,000	65,000	125,000	0	0	0	0	0	200,000	690,000
Time & Attendance System Upgrade	30,000	30,000	0	0	0	0	0	0	0	0	60,000
Upgrade Work Station Operating Systems	200,000	200,000	0	0	0	0	0	0	0	0	400,000
Voice Over Internet Protocol (VoIP)	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Network Services Total	7,892,000	3,290,000	5,520,000	4,978,000	5,306,000	4,620,000	4,784,000	4,890,000	5,240,000	5,715,000	52,235,000

IT Plan
Approved FY 2019 – FY 2028 Capital Improvement Program
Summary of Projects

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2019 - FY 2028
IT Plan											
Other System Development Projects											
Animal Shelter Server Replacement	0	0	0	0	0	0	0	0	0	0	0
Application Portfolio Management	0	150,000	0	0	0	0	0	0	0	0	150,000
Council Chamber Technology Upgrade	150,000	0	0	0	0	0	0	0	0	0	150,000
Enterprise Maintenance Mgmt System	40,000	40,000	40,000	40,000	40,000	40,000	20,000	40,000	40,000	40,000	380,000
FOIA System Replacement	0	70,000	50,000	20,000	0	0	0	0	0	0	140,000
HIPAA & Related Health Information Technologies	25,000	50,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	275,000
Library Public Access Computers and Print Mgmt System	0	0	0	85,000	0	0	0	0	0	0	85,000
Library Self-Service Stations/Equipment	58,000	0	0	0	0	0	0	0	0	0	58,000
Migration of Integrated Library System to SAAS Platform	0	0	0	0	0	0	0	0	0	0	0
OHA Records Management System Replacement	0	0	0	0	0	0	0	0	0	0	0
Permit Processing	0	0	0	0	0	0	0	0	0	0	0
Project Management Software	0	0	0	0	0	0	0	0	0	0	0
Recreation Database System	35,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	125,000
Other System Development Projects Total	308,000	320,000	125,000	180,000	75,000	75,000	55,000	75,000	75,000	75,000	1,363,000
Public Access Development											
Customer Relationship Management System	0	0	0	0	0	0	0	0	0	0	0
Electronic Government/Web Page	50,000	50,000	0	150,000	50,000	50,000	50,000	130,000	175,000	50,000	755,000
Public Access Development Total	50,000	50,000	0	150,000	50,000	50,000	50,000	130,000	175,000	50,000	755,000
Public Safety Systems											
AJIS Enhancements	660,000	165,000	170,500	176,000	182,000	188,000	194,500	201,000	208,000	215,500	2,360,500
Computer Aided Dispatch (CAD) System Replacement	0	250,000	0	0	0	0	0	0	0	0	250,000
Courtroom Trial Presentation Technology	120,000	100,000	0	0	0	85,000	85,000	0	0	0	390,000
Emergency 911 Phone System Upgrade	0	0	0	0	0	0	0	0	0	0	0
EMS Records Management System	0	0	0	0	0	0	0	0	0	0	0
Radio System Upgrade	1,756,000	1,565,000	1,200,000	0	0	0	0	0	0	0	4,521,000
Public Safety Systems Total	2,536,000	2,080,000	1,370,500	176,000	182,000	273,000	279,500	201,000	208,000	215,500	7,521,500
IT Plan Total	**11,611,000**	**6,720,000**	**7,965,500**	**5,749,000**	**5,728,000**	**5,468,000**	**5,738,500**	**6,261,000**	**5,813,000**	**6,235,500**	**67,289,500**

DOCUMENT IMAGING

DOCUMENT SUBSECTION:	Document Management	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Code Administration	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

Document Imaging

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,604,375	2,274,375	50,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	330,000
Financing Plan													
Cash Capital	330,000	0	50,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	330,000
Prior City Funding	2,224,375	2,224,375	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,604,375	2,274,375	50,000	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	330,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

Funds are used to support continual improvements and new development to imaging technologies that support the City's core applications. The introduction of several new enterprise applications has increased departmental interest in new custom imaging software and interfaces to line-of-business applications. Since the City's document imaging technology was upgraded to the latest available version a year ago, it is anticipated that funding will be needed to implement many of the new features made available with this upgrade. This project provides funding for an assessment of new and replacement hardware, software, licensing, upgrades, and professional services for document imaging initiatives.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

BUSINESS TAX SYSTEM

DOCUMENT SUBSECTION:	Financial Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Finance	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

Business Tax System/Reciprocity Contractor System

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,424,595	1,049,595	0	375,000	0	0	0	0	0	0	0	0	375,000
Financing Plan													
Cash Capital	375,000	0	0	375,000	0	0	0	0	0	0	0	0	375,000
Prior City Funding	1,049,595	1,049,595	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,424,595	1,049,595	0	375,000	0	0	0	0	0	0	0	0	375,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Planned funding for FY 2019 was eliminated; sufficient funding is available for the project's current needs.

PROJECT DESCRIPTION & JUSTIFICATION

The City implemented the primary system modules for a new Business Tax System in calendar years 2010 and 2011. The application integrates major tax business collection systems into one system and supports business licenses, business personal property taxes, and other business-related taxes. This project improves efficiency through the integration of tax revenue assessments and collections. Funding currently planned for this project in the out years will provide for life-cycle system upgrades and/or replacement. This project also provides for an online Business Tax Portal, which will enable the filing of required Tax Returns, with the ability to make payment for the associated Tax Liability. This project will be revisited in FY 2020 to ensure an appropriate level of funding is available to the project for future initiatives.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

EMPLOYEE PENSION ADMINISTRATION SYSTEM

DOCUMENT SUBSECTION:	Financial Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Finance	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	550,000	0	300,000	50,000	0	0	0	175,000	25,000	0	0	0	550,000
Financing Plan													
Pension Admin. Fees	550,000	0	300,000	50,000	0	0	0	175,000	25,000	0	0	0	550,000
Total Financing Plan	550,000	0	300,000	50,000	0	0	0	175,000	25,000	0	0	0	550,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 go that direction, 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 budget impacts identified at this time.

ENTERPRISE RESOURCE PLANNING SYSTEM

DOCUMENT SUBSECTION:	Financial Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Finance	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	Varies

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	4,755,000	4,395,000	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	360,000
Financing Plan													
Cash Capital	530,000	170,000	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	360,000
Prior City Funding	4,225,000	4,225,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	4,755,000	4,395,000	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	360,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Planned funding for FY 2019 was eliminated; sufficient funding is available for the project's current needs.

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 will be used to implement Bids and Contracts and Vendor Self-Service. Project funds will also be used to complete several ancillary functions for this system, procure additional modules and implement application interfaces as applicable.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

PERSONAL PROPERTY (VEHICLE/CAR) TAX SYSTEM

DOCUMENT SUBSECTION:	Financial Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Finance	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	940,000	140,000	460,000	0	0	0	0	60,000	280,000	0	0	0	800,000
Financing Plan													
Cash Capital	840,000	40,000	460,000	0	0	0	0	60,000	280,000	0	0	0	800,000
Prior City Funding	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	940,000	140,000	460,000	0	0	0	0	60,000	280,000	0	0	0	800,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The City's personal property tax system for the administration of vehicle taxes is a stand-alone system that was developed in-house in the late 1990's and modified over the years as required. This 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. This project supports upgrades of the personal property tax system to more current technology. Both the prior year funds and the funds budgeted in FY 2019 will be used to identify a more modern platform.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

PORTABLE DEVICE (PHONE, WEB) REPORTING/PAYMENT PORTALS

DOCUMENT SUBSECTION:	Financial Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Finance	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

Phone, Web, Portable Device Payment Portals

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	760,000	400,000	0	200,000	0	0	0	0	160,000	0	0	0	360,000
Financing Plan													
Cash Capital	596,000	346,000	0	90,000	0	0	0	0	160,000	0	0	0	250,000
Prior Year/Close-Out	164,000	54,000	0	110,000	0	0	0	0	0	0	0	0	110,000
Total Financing Plan	760,000	400,000	0	200,000	0	0	0	0	160,000	0	0	0	360,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funds for the implementation of several taxpayer self-service tools including secure Internet payment and account maintenance. The benefits that will be realized by the City from the online payment portal include enhanced online payment security, improved customer service, more timely revenue collection rates, and streamlined internal business operations. The new payment interfaces provide payment options to customers, because the interface will be compatible with mobile devices such as tablets and smartphones. The online payment of the personal property (vehicle) tax was placed into production in FY 2016. The online payment of the real estate tax was placed into production in FY 2017. Additional taxes are expected to be onboarded in FY 2018 and the approved funds will be used to onboard other tax types and complete general web implementation with mobile devices.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Finance Department Work Plan

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

REAL ESTATE ACCOUNTS RECEIVABLE SYSTEM

DOCUMENT SUBSECTION:	Financial Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Finance	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,635,000	835,000	0	0	0	0	0	0	0	800,000	0	0	800,000
Financing Plan													
Cash Capital	1,085,000	285,000	0	0	0	0	0	0	0	800,000	0	0	800,000
Prior City Funding	400,000	400,000	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	150,000	150,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,635,000	835,000	0	0	0	0	0	0	0	800,000	0	0	800,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project supports the replacement of the accounts receivable portion of the City's real estate tax system with a new Revenue Billing System RBS (RBS) and the upgrade of the existing Revenue Cashiering System (RCS). The new RBS and RCS systems will improve the management and functionality of the City's real estate tax processes. The City implemented the new system and placed it into producution in FY 2017. The Finance department utilized the new system to successfully complete the 2017 first half and second half billing. The additional funds approved in FY 2018 are actively being used to onboard the Storm Water Management fees. The funding in the out years is for the anticipated replacement of the existing system and to start the process to do a major upgrade and/or replacement.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Finance Department Work Plan

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

REAL ESTATE ASSESSMENT SYSTEM (CAMA)

DOCUMENT SUBSECTION:	Financial Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Finance	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	0 - 5 Years

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,900,000	915,000	15,000	15,000	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	985,000
Financing Plan													
Cash Capital	1,000,000	15,000	15,000	15,000	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	985,000
Prior City Funding	900,000	900,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,900,000	915,000	15,000	15,000	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	985,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project funds improvements to the City's Computer Assisted Mass Appraisal (CAMA) System, which uses statistical software and data management tools to support accurate and uniform property assessments. The City has a legal mandate to assess all real property annually. Modern software solutions enable the City to continue to satisfy this mandate. The project will improve the valuation processes and procedures. This project is separate than (but closely aligned with) the currently funded Real Estate Accounts Receivable replacement project. The CAMA project calculates and records real property assessment information which is then used to generate tax bills. A critical system upgrade is required and the upgrade process will start at the end of FY 2018, and it will be performed in FY 2019. Depending on the outcome, additional funding may be needed in the future. If the upgrade fails then the system replacement funding in the out years will need to be accelerated.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

GIS DEVELOPMENT

DOCUMENT SUBSECTION:	Geographic Information Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	Varies

GIS Development

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	3,249,500	2,394,500	0	100,000	50,000	200,000	50,000	150,000	40,000	100,000	50,000	115,000	855,000
Financing Plan													
Cash Capital	835,000	80,000	0	0	50,000	200,000	50,000	150,000	40,000	100,000	50,000	115,000	755,000
Prior City Funding	2,214,500	2,214,500	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	200,000	100,000	0	100,000	0	0	0	0	0	0	0	0	100,000
Total Financing Plan	3,249,500	2,394,500	0	100,000	50,000	200,000	50,000	150,000	40,000	100,000	50,000	115,000	855,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

CONNECTIVITY INITIATIVES

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	N/A

Connectivity Initiatives

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	8,877,000	2,300,000	525,000	552,000	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	6,577,000
Financing Plan													
Comcast Revenues	8,877,000	2,300,000	525,000	552,000	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	6,577,000
Total Financing Plan	8,877,000	2,300,000	525,000	552,000	579,000	608,000	639,000	670,000	704,000	740,000	780,000	780,000	6,577,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project reflects annual funding to Comcast for the monthly support of the City and ACPS institutional network. 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 budget impacts identified at this time.

DATABASE INFRASTRUCTURE

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	Varies

Database Infrastructure

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,188,000	748,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	80,000	80,000	440,000
Financing Plan													
Cash Capital	560,000	120,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	80,000	80,000	440,000
Prior City Funding	628,000	628,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,188,000	748,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	80,000	80,000	440,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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. 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 during emergencies when new, unplanned needs that arise from City staff. Additionally, this project is used to evaluate the latest database technologies and tools. This project also provides for consulting services to properly maintain and enhance the City's data infrastructure. Funds in FY 2019- FY 2028 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 budget impacts identified at this time.

ENTERPRISE CAMERA SYSTEM

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	TBD

Enterprise Camera System

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	50,000	50,000	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
Total Financing Plan	50,000	50,000	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 prior 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 idenity if it is suitable to consolidate multiple stand-alone camera systems into one city-wide enterprise system that could be centrally managed. City staff are considering the feasibility of a system that will utilize the City's I-Net to securely transmit video. This project will be deferred until after the Municipal fiber project is completed.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

ENTERPRISE COLLABORATION

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

Enterprise Collaboration

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	930,000	610,000	0	40,000	40,000	40,000	40,000	20,000	20,000	40,000	40,000	40,000	320,000
Financing Plan													
Cash Capital	360,000	80,000	0	0	40,000	40,000	40,000	20,000	20,000	40,000	40,000	40,000	280,000
Prior City Funding	490,000	490,000	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	80,000	40,000	0	40,000	0	0	0	0	0	0	0	0	40,000
Total Financing Plan	930,000	610,000	0	40,000	40,000	40,000	40,000	20,000	20,000	40,000	40,000	40,000	320,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

Planned funding for FY 2019 was eliminated; sufficient funding is available for the project's current needs.

PROJECT DESCRIPTION & JUSTIFICATION

This project funds the roll-out of new features for the City's enterprise content collaboration platform. 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 will also augment the City's existing data architects with licensing for business intelligence tools, increased internal communication and collaboration efforts for departmental projects, and building out a hybrid online and on-premises content collaboration environment.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

ENTERPRISE DATA STORAGE INFRASTRUCTURE

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	Varies

Enterprise Data Storage Infrastructure

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	5,841,000	2,816,000	350,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	375,000	3,025,000
Financing Plan													
Cash Capital	1,125,000	100,000	150,000	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	175,000	1,025,000
Code Admin Fund	150,000	150,000	0	0	0	0	0	0	0	0	0	0	0
Comcast Revenues	2,750,000	750,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
Prior City Funding	1,766,000	1,766,000	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	50,000	50,000											0
Total Financing Plan	5,841,000	2,816,000	350,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	375,000	3,025,000
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 $150,000 has been reallocated from the Voice Over Internet Protocol (VoIP) and the Virtual Desktop Pilot projects in FY 2019. An additional $50,000 in previously appropriated funds was transferred to this project in FY 2018.

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 for better disk utilization and data management.

The current storage environment consists of SANs that vary in size. The SAN platform allows the ability to quickly and easily identify storage performance problems. This project provides funding to perform SAN upgrades to include adding storage capacity while maintaining optimal performance. An additional $150,000 has been added in FY 2019 to purchase additional hardware to accommodate the storage of production data and backups, as the City's data storage needs continue to grow.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

ENTERPRISE SERVICE CATALOG

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

Enterprise Service Catalog

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	540,000	220,000	0	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	320,000
Financing Plan													
Cash Capital	370,000	50,000	0	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	320,000
Prior Year/Close-Out	170,000	170,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	540,000	220,000	0	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	320,000
Additional Operating Impact	150,820	0	36,050	37,132	38,245	39,393	0	0	0	0	0	0	150,820

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

Funds were budgeted in FY 2017 to procure and implement an enterprise service catalog system. The service catalog facilitates enterpise business needs and service delivery. The service desk was implemented in FY 2017 with software-as-a-service (SAAS) licensing. Planned funding in the out years will be used to refine the system as well as implement additional features and capabilities.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

The current service offering is hosted in the cloud and the annual maintenance costs are based on theictated by the vendor's price per license and the number of modules purchased.

INFORMATION TECHNOLOGY EQUIPMENT REPLACEMENT

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

Information Technology Equipment Replacement

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	6,517,740	2,040,740	382,000	400,000	405,000	460,000	460,000	450,000	450,000	470,000	500,000	500,000	4,477,000
Financing Plan													
Cash Capital	5,217,740	740,740	382,000	400,000	405,000	460,000	460,000	450,000	450,000	470,000	500,000	500,000	4,477,000
Comcast Revenues	300,000	300,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	1,000,000	1,000,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	6,517,740	2,040,740	382,000	400,000	405,000	460,000	460,000	450,000	450,000	470,000	500,000	500,000	4,477,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 budget impacts identified at this time.

INFORMATION TECHNOLOGY LUMP SUM FUNDING

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	Varies

Information Technology Lump Sum Funding

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	26,212,000	0	0	0	3,130,000	3,265,000	3,687,000	3,000,000	3,130,000	3,200,000	3,400,000	3,400,000	26,212,000
Financing Plan													
Cash Capital	22,212,000	0	0	0	2,630,000	2,765,000	3,187,000	2,500,000	2,630,000	2,700,000	2,900,000	2,900,000	22,212,000
Prior Year/Close-Out	4,000,000	0	0	0	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	4,000,000
Total Financing Plan	26,212,000	0	0	0	3,130,000	3,265,000	3,687,000	3,000,000	3,130,000	3,200,000	3,400,000	3,400,000	26,212,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project reserves IT project future funding in FY 2021– FY 2028 for use on to-be-determined information technology projects.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

IT ENTERPRISE MANAGEMENT SYSTEM

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	Varies

IT Enterprise Management System

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	510,000	510,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Comcast Revenues	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	460,000	460,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	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 prior 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 patch management services. ITS deployed this tool to streamline and standardize the deployment of desktop and server software packages. This allows the City to stay current with the software manufacturer's lifecycle and/or address potential vulnerablities.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

LAN DEVELOPMENT

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	Varies

LAN Development

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	459,000	444,000	15,000	0	0	0	0	0	0	0	0	0	15,000
Financing Plan													
Cash Capital	40,000	25,000	15,000	0	0	0	0	0	0	0	0	0	15,000
Comcast Revenues	65,000	65,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	354,000	354,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	459,000	444,000	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

No changes from prior CIP.

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 budget impacts identified at this time.

LAN/WAN INFRASTRUCTURE

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	Varies

LAN/WAN Infrastructure

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	6,514,000	4,170,000	775,000	748,000	821,000	0	0	0	0	0	0	0	2,344,000
Financing Plan													
Cash Capital	130,000	130,000	0	0	0	0	0	0	0	0	0	0	0
Comcast Revenues	4,089,000	1,745,000	775,000	748,000	821,000	0	0	0	0	0	0	0	2,344,000
Prior City Funding	2,295,000	2,295,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	6,514,000	4,170,000	775,000	748,000	821,000	0	0	0	0	0	0	0	2,344,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project enables the City to deliver scalable 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. In FY 2018 and FY 2019, a wireless engineer is funded from this project to review and architect secure wireless solutions to support mobile workforce initaitives.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

MUNICIPAL FIBER

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	30+ Years

Municipal Fiber

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	12,410,000	7,410,000	5,000,000	0	0	0	0	0	0	0	0	0	5,000,000
Financing Plan													
Bond Premiums	1,400,000	1,400,000	0	0	0	0	0	0	0	0	0	0	0
Cash Capital	3,700,000	2,200,000	1,500,000	0	0	0	0	0	0	0	0	0	1,500,000
GO Bonds	7,000,000	3,500,000	3,500,000	0	0	0	0	0	0	0	0	0	3,500,000
Prior City Funding	210,000	210,000	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	12,410,000	7,410,000	5,000,000	0	0	0	0	0	0	0	0	0	5,000,000
Additional Operating Impact	2,539,784	0	0	250,000	257,500	265,225	273,182	281,377	289,819	298,513	307,468	316,700	2,539,784

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 and ACPS educational facilities in the City. A City-owned municipal fiber 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, e-mail, 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 (potentially) 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 revenue options with potential private entity leasing agreements. This will enable the private entity to provide high speed internet connections to City businesses and residents, and as such represents an investment in future long-term positive economic development impact. Once it is built out, a City-owned fiber optic network will connect approximately 91 City government and Alexandria school facilities through approximately 40 miles of fiber optic cable.

Project objectives include the reduction of long-term costs, reduction of the risk of pricing volatility, enhancement of City services and support of economic development. An example is the inclusion of connectivity to key economic development areas such as Potomac Yard. Alternatives are limited and wireless solutions are not sufficient. Approved FY 2018 and planned FY 2019 funds will be used to hire a Municipal fiber subject matter expert and to secure professional services to implement the Municipal Fiber project.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

Expected annual operating costs may increase based upon the complexity of the network and technical expertise required to support, secure, and maintain the fiber optic network technology.

NETWORK SECURITY

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	Varies

Network Security

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	3,865,000	2,385,000	200,000	280,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	300,000	1,480,000
Financing Plan													
Cash Capital	705,000	225,000	100,000	180,000	0	0	0	0	0	0	0	200,000	480,000
Comcast Revenues	1,575,000	575,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Prior City Funding	1,585,000	1,585,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	3,865,000	2,385,000	200,000	280,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	300,000	1,480,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to fund the implementation of security technologies to protect the confidentiality, integrity, and availability of the City's IT 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 for hardware, software, and professional services. 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.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

NETWORK SERVER INFRASTRUCTURE

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	8,111,143	7,436,143	175,000	500,000	0	0	0	0	0	0	0	0	675,000
Financing Plan													
Cash Capital	810,000	335,000	75,000	400,000	0	0	0	0	0	0	0	0	475,000
Comcast Revenues	740,000	540,000	100,000	100,000	0	0	0	0	0	0	0	0	200,000
Prior City Funding	6,561,143	6,561,143	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	8,111,143	7,436,143	175,000	500,000	0	0	0	0	0	0	0	0	675,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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 and reliable manner. These requirements include physical hardware, network software upgrades, client access licenses, virtualization licenses, and network operating system licenses.

This project is used for software license upgrades, blade server replacements, implementation services related to new software/hardware configuration necessary to ensure sufficient resources to support business operations. Funds programmed in FY 2019 are to perform necessary network software upgrades to keep the environment vialble for City daily operations.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

REMOTE ACCESS

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,283,000	593,000	150,000	150,000	65,000	125,000	0	0	0	0	0	200,000	690,000
Financing Plan													
Cash Capital	990,000	300,000	150,000	150,000	65,000	125,000	0	0	0	0	0	200,000	690,000
Prior City Funding	293,000	293,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,283,000	593,000	150,000	150,000	65,000	125,000	0	0	0	0	0	200,000	690,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project supports employee teleworking initiatives within the City. Funding is provided to perform the necessary infrastructure upgrades to allow secure remote access to 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 application compatibility, and procure related hardware devices in order to sustain the remote access infrastructure. In FY 2018, staff performed necessary remote access technology upgrades to allow for more redundancy, resiliency, and throughput to meet the growing demand for the City's mobile and telework workforce program.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

TIME & ATTENDANCE SYSTEM UPGRADE

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	100,000	40,000	30,000	30,000	0	0	0	0	0	0	0	0	60,000
Financing Plan													
Cash Capital	100,000	40,000	30,000	30,000	0	0	0	0	0	0	0	0	60,000
Total Financing Plan	100,000	40,000	30,000	30,000	0	0	0	0	0	0	0	0	60,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The project funds will be used to perform a major system upgrade of the enterprise time and attendance software, bringing it to the most recent version. The City is planning this upgrade which will integrate the software with the Public Safety scheduling software to reduce manual processing, introduce new modules for improved labor analytics and scheduling. This funding supports these initiatives along with professional services, licensing of additional features, training, and additional infrastructure as needed.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

UPGRADE WORK STATION OPERATING SYSTEMS

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	3,213,950	2,813,950	200,000	200,000	0	0	0	0	0	0	0	0	400,000
Financing Plan													
Cash Capital	830,000	430,000	200,000	200,000	0	0	0	0	0	0	0	0	400,000
Prior City Funding	2,183,950	2,183,950	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	3,213,950	2,813,950	200,000	200,000	0	0	0	0	0	0	0	0	400,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funds to upgrade the operating system on City computer workstations to an appropriate version, as well as additionally required workstation memory, larger capacity hard drives, 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, this funding is used to test the viability of newer operating systems, mobile devices (e.g. tablets) and desktop 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 other compatibility issues.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

VOICE OVER INTERNET PROTOCOL (VOIP)

DOCUMENT SUBSECTION:	Network Services	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	5,372,173	5,172,173	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Financing Plan													
Cash Capital	475,000	275,000	50,000	150,000	0	0	0	0	0	0	0	0	200,000
Comcast Revenues	250,000	250,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	4,647,173	4,647,173	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	5,372,173	5,172,173	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

FY 2019 funding reduced by $100,000 and transferred to the Enterprise Data Storage Infrastructure project.

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. Since the VoIP system deployment has been implemented in FY 2016, 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.

Planned funding in FY 2019-FY 2020 will provide professional services to enhance remote worker capability to allow City employees working out in the field to have a reliable communication system; enhance real time reports and apply additional security measures to protect the voice communications infrastructure.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

ANIMAL SHELTER SERVER REPLACEMENT

DOCUMENT SUBSECTION:	Other System Development Projects	PROJECT LOCATION:	Animal Shelter : 4101 Eisenhower Ave, Alexandria, VA 22304
MANAGING DEPARTMENT:	Department of General Services	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	0 - 5 Years

Animal Shelter Server Replacement

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	130,000	130,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	130,000	130,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	130,000	130,000	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace end-of-life software and hardware at the Animal Shelter, and update the operating system to a more recent version. The current servers are at the end of their support life cycle and will be replaced in FY 2018. This project will fund required professional services, server licensing costs, and data conversion. This upgrade is essential to maintain the technology services used by staff at the Animal Shelter.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

APPLICATION PORTFOLIO MANAGEMENT

DOCUMENT SUBSECTION:	Other System Development Projects	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

Application Portfolio Management

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	150,000	0	0	150,000	0	0	0	0	0	0	0	0	150,000
Financing Plan													
Cash Capital	150,000	0	0	150,000	0	0	0	0	0	0	0	0	150,000
Total Financing Plan	150,000	0	0	150,000	0	0	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

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

Application Portfolio Management (APM) provides an enterprise portfolio of application assets. APM is a framework for managing enterprise IT software applications, software based services, software lifecycle, and provides a comprehensive inventory of the City's software applications and metrics to illustrate the business benefits of each application. Funds are included in FY 2020 to procure a system.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget 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
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	350,000	200,000	150,000	0	0	0	0	0	0	0	0	0	150,000
Financing Plan													
Cash Capital	250,000	100,000	150,000	0	0	0	0	0	0	0	0	0	150,000
Prior Year/Close-Out	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	350,000	200,000	150,000	0	0	0	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

No changes from prior CIP.

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 Architectual Review meetings, and other City meetings.

Planned funding in FY 2018 and FY 2019 is to define the requirements, obtain cost proposals, and contract with vendor resources to perform the necessary audio visual improvements.

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
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

Enterprise Maintenance Mgmt System

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,699,000	1,319,000	40,000	40,000	40,000	40,000	40,000	40,000	20,000	40,000	40,000	40,000	380,000
Financing Plan													
Cash Capital	660,000	280,000	40,000	40,000	40,000	40,000	40,000	40,000	20,000	40,000	40,000	40,000	380,000
Prior City Funding	989,000	989,000	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,699,000	1,319,000	40,000	40,000	40,000	40,000	40,000	40,000	20,000	40,000	40,000	40,000	380,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides for the expansion of the City's enterprise maintenance management system (EMMS) to add additional departments throughout the City. 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 and location tracking system and also serves as the foundation of the City's current CRM software, Call.Click.Connect. As the City has an enterprise license for the use of this software, the only costs associated with additional departments' usage of the system is in implementation and configuration.

Approved funding in FY 2017 was used to begin a multi-year initiative to implement mobile workforce initiatives in the EMMS. These improvements will allow the City to provide mobile access to the application by City employees in the field, and provide greater efficiencies in the tracking of labor, materials, equipment, scheduling, and contracting costs for asset maintenance. Approved funding will be used for professional services, additional modules, and application interfaces to support departments using the software. This application is integral in the onging implementation of the storm water management system. The Best Management Practices (BMP) inspections drive the credit program which are managed through this system.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget 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
		Project Category:	IT Plan
Primary Strategic Theme:	Theme 4: Safe & Resilient Community	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	140,000	0	0	70,000	50,000	20,000	0	0	0	0	0	0	140,000
Financing Plan													
Cash Capital	140,000	0	0	70,000	50,000	20,000	0	0	0	0	0	0	140,000
Total Financing Plan	140,000	0	0	70,000	50,000	20,000	0	0	0	0	0	0	140,000
Additional Operating Impact	152,385	0	0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,000	152,385

Changes from Prior Year CIP

Project funding was pushed out one year, and the project is now set to begin in FY 2020.

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 5 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 to their departments. The system is used by the City Attorney's Office and designated department contacts to track the status of the request(s) and any response(s) made to a requestor(s).

The FY 2020 planned funds will be used to identify and implement either an upgrade of the existing FOIA Tracking System or a replacement system that will meet the business needs of the City Attorney's Office and its customers. A new system would help streamline the response process; thus making the process more efficient by decreasing the response time to citizens and allowing City staff to work more efficiently.

External or Internal Adopted Plan or Recommendation

N/A

Additional Operating Impacts

Annual maintenance fees are estimated at 15% of the total estimated software costs. A vendor has not been selected to replace the current system thus the anticipated maintenance costs are preliminary estimates.

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
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 9: Healthy Residents	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	853,000	578,000	25,000	50,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	275,000
Financing Plan													
Cash Capital	350,000	75,000	25,000	50,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	275,000
Prior City Funding	475,000	475,000	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	28,000	28,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	853,000	578,000	25,000	50,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	275,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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. FY 2018 and FY 2019 funding will be utilized towards security audits, a HIPAA secured document management solution, secure efax and a HIPAA secure printing and scanning solution for the Department.

This project supports a continued self-assessment of current business functions, Health Information Technology infrastructure and use, as well as any related impact on HIPAA regulations and other mandated compliance issues. Planned funding addresses required updates and to maintain data security requirements and hardware needs. The City plans to use approved FY 2018 and FY 2019 funding to purchase tablets and additional signature pads.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget 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
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 7: Thriving Children & Youth	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	130,000	45,000	0	0	0	85,000	0	0	0	0	0	0	85,000
Financing Plan													
Cash Capital	130,000	45,000	0	0	0	85,000	0	0	0	0	0	0	85,000
Total Financing Plan	130,000	45,000	0	0	0	85,000	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

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

Alexandria's libraries maintain an automated system for reserving computers, managing waiting lists for computers, monitoring time limits for computer sessions, and managing customer printing. A new system with enhanced features that accepts credit card payments 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 early 2018, a wireless printing component will be 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. Moreover, the system has improved the Library's 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 are included in FY 2022 to upgrade or replace the system as needed.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Alexandria Library Five-Year Plan

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

LIBRARY SELF-SERVICE STATIONS/EQUIPMENT

DOCUMENT SUBSECTION:	Other System Development Projects	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Libraries	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 7: Thriving Children & Youth	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	160,000	102,000	58,000	0	0	0	0	0	0	0	0	0	58,000
Financing Plan													
Cash Capital	160,000	102,000	58,000	0	0	0	0	0	0	0	0	0	58,000
Total Financing Plan	160,000	102,000	58,000	0	0	0	0	0	0	0	0	0	58,000
Additional Operating Impact	62,559	0	5,459	5,623	5,791	5,965	6,144	6,328	6,518	6,714	6,915	7,100	62,559

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

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) is now reaching end-of-life. The Library received funds to replace the current equipment with new and improved self-service equipment that includes the Payment Card Industry Data Security Standard (PCI) for credit card payments, RFID integration, and higher accuracy. This is a two-phase project:

- Phase 1 - Replace existing self-service kiosks with desktop models at the Beatley Central Library and implement RFID tagging for all Library materials; and
- Phase 2 - Replace kiosks at the Barrett, Burke, and Duncan Branch Libraries.

Neighboring library systems, including Arlington, Prince George's, and Baltimore Counties, 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 project is essential for the Library's reorganization and restructuring plans. The new system will free staff from clerical duties, allowing them to focus on additional responsibilities such as program planning, passport processing and outreach services.

The Library recently finalized contracts with its vendor, plans to begin RFID tagging in March 2018 and will conclude Phase 1 by July 2018. Phase 2, implementation at the Branch Libraries, will commence in July 2018.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Alexandria Library Five-Year Plan

ADDITIONAL OPERATING IMPACTS

The Library will incur an annual licensing fee for this system, but it is the same cost that the Library pays for its current self-service system.

MIGRATION OF INTEGRATED LIBRARY SYSTEM TO SAAS PLATFORM

DOCUMENT SUBSECTION:	Other System Development Projects	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Libraries	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 7: Thriving Children & Youth	ESTIMATE USEFUL LIFE:	Varies

Migration of Integrated Library System to SAAS Platform

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
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
Total Financing Plan	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 prior 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 3rd party vendor services.

This project is nearly complete with one component outstanding: moving the Library's remote patron authentication (RPA) server to a cloud based model (SIP server). The RPA 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 budget 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
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
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
Total Financing Plan	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	75,700	0	14,000	14,500	15,100	15,700	16,400	0	0	0	0	0	75,700

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The Office of Historic Alexandria's Archives & Records Center is actively upgrading the existing Records Management System. This upgrade should be completed by FY 2018 Q3, and will allow the Office of Historic Alexandria to replace the outdated software which is no longer supported. The upgrade will also be an opportunity to upgrade the hardware infrastructure that supports the system.

This software is crucial 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 the continued provision of effective services.

The Office of Historic Alexandria will also utilize FY 2018 funds to provide WIFI access to the new system within specific locations at the Archives and Records building. The WIFI access will allow staff to take full advantage of the software enhancements to further automate operations and make updates from a laptop while moving through the various records storage areas.

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

The additional operating impacts were based on a quote provided by the vendor. The out year operational impacts were determined by adding about a 4% increase per year for the life of the system.

PERMIT PROCESSING

DOCUMENT SUBSECTION:	Other System Development Projects	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Code Administration	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 6: Strong Economy	ESTIMATE USEFUL LIFE:	11 - 15 Years

Permit Processing

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	4,450,000	4,450,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Code Admin Fund	4,450,000	4,450,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	4,450,000	4,450,000	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funds for the replacement of the City's primary building-related permit system, which supports the administration of the City's land development process and is used by multiple agencies including Code Administration, Transportation & Environmental Services, Planning & Zoning and the Health Department. The City has begun the implementation of the new system. 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.

The City has identified technical requirements and after completing a formal solicitation process for a suitable solution provider the contract was awarded. The legacy software will be replaced, and the new system will help provide up-to-date technology to address the City's current challenges of providing online permit processing, online payments, and online plan review. The project is currently in the implementation stage, and it is anticipated that the new system will go-live in FY 2019.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A.

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

PROJECT MANAGEMENT SOFTWARE

DOCUMENT SUBSECTION:	Other System Development Projects	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	ESTIMATE USEFUL LIFE:	6 - 10 Years

Project Management Software

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	185,000	185,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior Year/Close-Out	185,000	185,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	185,000	185,000	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for enterprise project management (PM) software to track and manage ITS capital improvement projects. The PM tool allows project management staff to track and manage deliverables; project due dates, financial management tracking, risks, and standard reporting options with Gantt chart and bar chart data views.

The enterprise project management software was configured to have an interface to the City's Enterprise Resource System to view real-time financial information about the ITS capital improvement projects. This interface was disabled during the last upgrade of the ERP system. It is anticipated that prior year funds from this project will be utilized to obtain professional services that will allow staff to have real-time project budgetary information as well as refinements. Staff will seek expertise in FY 2020 to perform refinements to the project and portfolio management system.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget 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
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 5: Flourishing Arts, Culture & Recreation	ESTIMATE USEFUL LIFE:	6 - 10 Years

Recreation Database System

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	140,000	15,000	35,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	125,000
Financing Plan													
Cash Capital	140,000	15,000	35,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	125,000
Total Financing Plan	140,000	15,000	35,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	125,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

This system manages the day-to-day operation 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. Planned funds were included for continual system enhancements as required.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

CUSTOMER RELATIONSHIP MANAGEMENT SYSTEM

DOCUMENT SUBSECTION:	Public Access Development	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Emergency Communications	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,225,000	1,225,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	750,000	750,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	475,000	475,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,225,000	1,225,000	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The goal of the Customer Relationship Management System (CRM) is to provide central coordination of requests for service from the public and other external stakeholders. In January 2013, the City launched the current application, branded Call.Click.Connect, which was implemented with funding from this project. The CRM included a database system – the client software used by City staff to access the database – and a portal on the City's website (alexandriava.gov/CallClickConnect) for use by external customers. City staff currently use this system to enter citizen requests made by phone, mail, or in person.

The existing backend database that was leveraged to support the client software for the City's CRM is the Enterprise Maintenance Management System (EMMS) that has been operational since 2009. This project has been envisioned to replace the existing custom front-end with a dedicated CRM for use by all City departments. The CRM will interface with the current EMMS to allow access for improved customer interactions.

In FY 2018, the Department of Emergency Communications (DEC) created an interderpartmental team that has representation from the City Manager's Office, the Department of Information Technology Services, the Office of Communications and Public Information, and the departments with the highest volume of customer requests received from *Call.Click.Connect*. The implementation team is actively participating in a discovery and needs analysis process by engaging the customers and internal City staff to make system improvements. This is part of a plan to migrate the City to a 311 non-emergency call/contact capability. The City recently issued a Request for Information from the CRM vendor community to review service offerings before taking the next steps to improve this system. The needs analysis and requirements that emanate from the discovery process will be taken into consideration as the City decides to either upgrade the existing technology in place or procure a CRM system.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

ELECTRONIC GOVERNMENT/WEB PAGE

DOCUMENT SUBSECTION:	Public Access Development	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Information Technology Services Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 3: Well-Managed Government	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	2,376,381	1,621,381	50,000	50,000	0	150,000	50,000	50,000	50,000	130,000	175,000	50,000	755,000
Financing Plan													
Cash Capital	840,000	135,000	50,000	0	0	150,000	50,000	50,000	50,000	130,000	175,000	50,000	705,000
Prior City Funding	1,236,381	1,236,381	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	300,000	250,000	0	50,000	0	0	0	0	0	0	0	0	50,000
Total Financing Plan	2,376,381	1,621,381	50,000	50,000	0	150,000	50,000	50,000	50,000	130,000	175,000	50,000	755,000
Additional Operating Impact	0	0	0	0	0	0	0	0	0	0	0	0	0

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The E-Government project includes enhancements to, and applications for, the City of Alexandria's public website, 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 implementation of a new Content Management System (CMS). Additional funding of $50,000 is planned in each of the out years, to address implementations and technology opportunities that arise each year. Additional funding is also budgeted for four-year refresh cycles on both the CMS and website design.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

AJIS ENHANCEMENTS

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
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	Varies

AJIS Enhancements

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	4,316,502	1,956,002	660,000	165,000	170,500	176,000	182,000	188,000	194,500	201,000	208,000	215,500	2,360,500
Financing Plan													
Cash Capital	2,560,500	200,000	660,000	165,000	170,500	176,000	182,000	188,000	194,500	201,000	208,000	215,500	2,360,500
Prior City Funding	1,756,002	1,756,002	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	4,316,502	1,956,002	660,000	165,000	170,500	176,000	182,000	188,000	194,500	201,000	208,000	215,500	2,360,500
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 $600,000 added to FY 2019 and then funding is added for FY 2020 – FY 2028 for the Integrated Justice Program IT Manager.

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 court and jail management information, and for other sttatistical needs. AJIS interfaces with other systems to furnish data to other local, regional, and national law enforcement agencies.

The current system has been in place for 15 years, and has reached the end of its useful life and will need to be replaced over the next two to threee years. A recent high-level assessment of the system by Gartner Consulting confirmed that replacement of the existing system and its component modules is needed. Funding in the amount of $660,000 in FY 2019 will be used to undertake maintenance upgrades to enhance the stability and security of the current AJIS system and to start the replacement effort including conducting a needs analysis and requirements gathering for a more modern judicial system, while maintaining the current system. This also includes funding for an Intergrated Justice Program IT Manager position to oversee this effort. Additional funding will be needed in future years, depending on the cost of the system(s) selected.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

COMPUTER AIDED DISPATCH (CAD) SYSTEM REPLACEMENT

DOCUMENT SUBSECTION:	Public Safety Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Emergency Communications	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	16,430,000	16,180,000	0	250,000	0	0	0	0	0	0	0	0	250,000
Financing Plan													
Cash Capital	885,000	635,000	0	250,000	0	0	0	0	0	0	0	0	250,000
Prior City Funding	15,230,000	15,230,000	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	315,000	315,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	16,430,000	16,180,000	0	250,000	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

Planned funding for FY 2019 was eliminated; sufficient funding is available for the project's current needs.

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 Police and Fire Departments, as well as the 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 several critical system elements (for Police RMS, CAD and Fire/EMS).

This project will enter the sustainment phase soon, when funds for this project will be used for required software upgrades and related hardware replacements.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A

ADDITIONAL OPERATING IMPACTS

No additional operating budget 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
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	577,500	187,500	120,000	100,000	0	0	0	85,000	85,000	0	0	0	390,000
Financing Plan													
Cash Capital	577,500	187,500	120,000	100,000	0	0	0	85,000	85,000	0	0	0	390,000
Total Financing Plan	577,500	187,500	120,000	100,000	0	0	0	85,000	85,000	0	0	0	390,000
Additional Operating Impact	187,847	0	0	10,000	20,000	20,600	21,218	21,855	22,510	23,185	23,881	24,597	187,847

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 and motions hearings. This project provides funding for Courtroom Trial Presentation Technology that will provide citizens, Commonwealth Attorneys, Public Defenders, private attorneys and litigants a 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 Courtroom Trial Presentation improvements project includes upgrades to the courtroom sound systems, which were originally installed in the 1980's. The upgrades also include video conference technology, which allows witnesses and inmates to testify at trial without being physically present in the courtroom. Electronic Docket Display is also included in this project, which will make the docket more prominent and the court more user-friendly by clearly displaying case locations to the public. It is anticipated that the project will get started in late FY 2018 with Courtrooms 2 and 4. Funds provided in FY 2019 and FY 2020 will allow the City to begin additional upgrades on Courtroom 1, and will also pay for various components for each courtroom including professional configuration and installation services.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION	ADDITIONAL OPERATING IMPACTS
N/A	Maintenance costs are anticipated to increase over the system's useful life for updates, enhancements, and/or on-going maintenance expenses increase due to inflation.

EMERGENCY 911 PHONE SYSTEM UPGRADE

DOCUMENT SUBSECTION:	Public Safety Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Emergency Communications	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	0 - 5 Years

Emergency 911 Phone System Upgrade

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	1,700,000	1,700,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	1,550,000	1,550,000	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	150,000	150,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,700,000	1,700,000	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 prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The E-911 Phone System is the emergency phone system for the public to request emergency services from the City. This phone system link is vital and must be redundant and available 24/7/365. Updates are required to keep the technology in working order, and to maintain consistency across the region.

This project will allow the City to transition from an analog to a digital NextGen 9-1-1 fully complaint telephone system that will enhance communications with digital devices such as smartphones (text messages, location details, photos, and videos). The NextGen 9-1-1 system will also be interconnected to other local government emergency call centers in the region, thereby enabling better and more real-time data sharing, as well as more coordinated responses to regional incidents and emergencies.

The City have entered into a joint procurement solicitation administered by Arlington County for the purpose of combining requirements to increase efficiency, resiliency, and reduce administrative expenses in the acquisition of a shared 9-1-1 call handling system. The Request for Quote (RFQ) is expected to be advertised and awarded before the end of FY 2018.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

N/A.

ADDITIONAL OPERATING IMPACTS

No additional operating budget impacts identified at this time.

EMS RECORDS MANAGEMENT SYSTEM

DOCUMENT SUBSECTION:	Public Safety Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Fire Department	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	ESTIMATE USEFUL LIFE:	6 - 10 Years

EMS Records Management System

	A (B + M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	Through 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	415,000	415,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0
Prior City Funding	215,000	215,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	415,000	415,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact	1,120,000	0	40,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	1,120,000

CHANGES FROM PRIOR YEAR CIP

No changes from prior CIP.

PROJECT DESCRIPTION & JUSTIFICATION

The City uses the Emergency Medical Records Management System (RMS) to gather data regarding Emergency Medical Services (EMS) responses to medical emergencies. The data in this system is used to provide a hard copy report to hospitals on patient status when a patient is transported to a hospital. The data is transferred to the Fire/EMS RMS. A data transfer is subsequently made to the City's ambulance billing agency for the calculation and collection of the appropriate ambulance billing charges. In FY 2017 this system was replaced by a new system to meet Virginia mandates. Prior year funding will be utilized for additional required data conversion.

EXTERNAL OR INTERNAL ADOPTED PLAN OR RECOMMENDATION

Mandate State of Virginia law changes.

ADDITIONAL OPERATING IMPACTS

The annual operating costs were estimated using the costs of the current system, but might have maintenance costs may increases due to added modules.

RADIO SYSTEM UPGRADE

DOCUMENT SUBSECTION:	Public Safety Systems	PROJECT LOCATION:	Citywide
MANAGING DEPARTMENT:	Department of Emergency Communications	REPORTING AREA:	Citywide
		PROJECT CATEGORY:	IT Plan
PRIMARY STRATEGIC THEME:	Theme 4: Safe & Resilient Community	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 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total FY 2019 - FY 2028
Expenditure Budget	4,540,960	19,960	1,756,000	1,565,000	1,200,000	0	0	0	0	0	0	0	4,521,000
Financing Plan													
Cash Capital	4,540,960	19,960	1,756,000	1,565,000	1,200,000	0	0	0	0	0	0	0	4,521,000
Total Financing Plan	4,540,960	19,960	1,756,000	1,565,000	1,200,000	0	0	0	0	0	0	0	4,521,000
Additional Operating Impact	(240,000)	0	0	(60,000)	(60,000)	(60,000)	(60,000)	0	0	0	0	0	(240,000)

CHANGES FROM PRIOR YEAR CIP

No changes from prior 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 provide sufficient capacity for radio system users. The system is seeing capacity issues as the use by Alexandria City Public Schools (ACPS) has increased substantially. The funding will be used to replace outdated equipment, enhance encryption, network fiber upgrades, and continue to implement radio management best practices.

Approximately 26% of the City's radio system capacity is used by ACPS. As project planning progresses, a project cost allocation will need to be determined for schools to appropriately reflect their use of- and contribuion to- the City's radio system. This project is undergoing a radio study to reevalulate the City needs and current cost estimates. The study will produce recommendations for hardware and software needed for the funding planned in FY 2019.

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

The cost for maintaining the Radio and 9-1-1 Phone System Recorders could potentially be reduced by $60,000 if the City replaces two older model recorder units for one newer model

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,[1]
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.

[1]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 2797: SETTING GUIDANCE FOR THE FY 2019 BUDGET

RESOLUTION NO. 2797

Setting Guidance for FY 2019 General Fund Operating Budget and Capital Improvement Program for FY 2019 – FY 2028

WHEREAS, the City Council of Alexandria passed a resolution establishing Council's process for formulating the Operating Budget and the Capital Improvement Programs (CIP) during the term of this Council and requires that City Council set budget guidance for the City Manager and the School Board for the FY 2019 budget.

WHEREAS, the City will conduct public outreach designed to collect input into the development of the FY 2019 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 not make budgetary changes that may threaten 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 must and various other adopted strategic plans and master plans be weighed against the appropriateness of the tax burden placed upon citizens; 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; and

WHEREAS, the City Council desires to emphasize a multi-year perspective for fiscal planning;

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 Strategic Plan. 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 2797: SETTING GUIDANCE FOR THE FY 2019 BUDGET

(b) **Taxes, Fees, Fines and Service Charges:** In funding the proposed budget, the City Manager shall maintain the existing real estate tax rate of $1.13, but may consider changes to other 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, or the Council Retreat and Work Sessions.

(c) **Cost Saving Measures:** The City Manager shall continually identify and implement 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.

(d) **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 the expected goals in the Strategic Plan.

(e) **CIP:** The proposed FY 2019-2028 CIP shall incorporate the following:

1. Compliance with the City's adopted Debt Related Financial Policy Guidelines for any debt issuance planned for FY 2019 through FY 2028;
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 2019 General Fund cash capital reflected 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 2018, if any, as commitment for capital projects in FY 2019 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 ACPS facility projects based on the recommendations of the Ad Hoc Joint City-Schools Facility Investment Task Force.

(f) **ACPS Funding:** That (1) the City Manager shall recommend for transfer to the Alexandria City Public Schools operating funding an appropriation no greater than the amount approved by City Council for FY 2018 plus the overall General fund FY 2019 revenue rate growth, the cost of FY 2019 increased enrollment and the new West End elementary school operating costs; (2) the Alexandria City Public Schools is requested by City council to articulate in general categories and prioritize any City FY 2019 appropriation requests above current services; (3) the City Manager shall develop options for potential funding of proposed public school capital needs for the FY 2019 through FY 2018 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 2019 proposed budget and include such amount as a separate element of his total recommended FY 2019 budget for the ACPS.

(g) **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 and consequence of the funding.

(h) **Add/Delete Process:** 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 the FY 2017 and FY 2018 budget process:

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

RESOLUTION 2797: SETTING GUIDANCE FOR THE FY 2019 BUDGET

1. 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.
2. 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:
    i. Additional information related to how the change advances the Council's goals/priorities.
    ii. Additional information related to how the change impacts the performance of that program, service or goal.
    iii. The support of at least 3 of 7 Council members (the original sponsor and two co-sponsors).
    iv. 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.
3. 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 14 days prior to the adoption of the budget [for FY 2019, April 19].
4. 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 the 2nd Legislative Meeting in April [for FY 2019, April 24].
5. 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 2019, April 26].
6. Completed Council Budget Proposals, with funding, will be circulated to Council and the public the Friday prior to budget adoption [for FY 2019, April 27].
7. City Council will be required to keep the budget in balance once all decisions are made.
8. Final decisions will be made 72 hours prior to budget adoption and discussed at a Special City Council work session [for FY 2019, April 30].
9. Final decisions will be made available to the public 48 hours prior to budget adoption [for FY 2019, May 1]
10. Budget Adoption will occur on May 3, 2018 with all City Council Budget Proposals, those approved and those not approved, made public upon adoption of the budget.

Adopted: November 14, 2017

ALLISON SILBERBERG MAYOR

ATTEST:

Gloria A. Sitton, CMC City Clerk

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

RESOLUTION 2796: ESTABLISHING THE PROCESS TO BE USED FOR FY 2019 BUDGET ADOPTION

RESOLUTION NO. 2796

Budget Resolution Establishing the Process To Be Used To Adopt Operating Budgets and 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, and 2256, 2368, 2587, 2653, and 2747 previously adopted by City Council have now expired; 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;

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 2796: ESTABLISHING THE PROCESS TO BE USED FOR FY 2019 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 January 11, 2018 and an Operating Budget no later than February 22, 2018 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 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 48 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.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

RESOLUTION 2796: ESTABLISHING THE PROCESS TO BE USED FOR FY 2019 BUDGET ADOPTION

(12) That City Council plans to adopt such a budget resolution.

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 14 days prior to the adoption of the budget in accordance with the FY 2019 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) Expiration – The provision of this resolution shall expire with the expiration of the term of this City Council.

Adopted: November 4, 2017

ALLISON SILBERBERG MAYOR

ATTEST:

Gloria A. Sitton, CMC City Clerk

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

REDUCTION IN FORCE (RIF) ADMINISTRATIVE REGULATION 6-22

Supersedes:	Title:	Number: 6-22
A.R. 6-22 dated January 18, 2012	Reduction in Force	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).

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 two 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 approved modifications to the City's Adopted Debt Ratios, endorsed by BFAAC, that revised the limit on Debt as a Percentage of Fair Market Real Property Value and Debt Service as a Percentage of General Government Expenditures, eliminated the Debt as a Percentage of Total Personal Income, and added a 10 Year Debt Payout Ratio.

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.

10-Year Debt Payout Ratio	
Target	**Limit**
65.00%	50.00%

This ratio is a measure of the rapidity by which the City pays off outstanding debt. The establishment of this ratio formalizes the City's current practice of structuring debt with level principal payments. Highly-rated jurisdictions such as the City structure debt using level principal payments, compared with other lower-rated jurisdictions that might structure debt using a level debt service structure. A higher ratio indicates a faster pace of paying off outstanding debt.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY FINANCIAL POLICIES

Unassigned/Uncommitted General Fund Balance as a Percentage of General Fund Revenue	
Target	**Limit**
N/A	10%
Unassigned General Fund Balance as a Percentage of General Fund Revenue	
Target	**Limit**
5.5%	4.0%
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 Unassigned/Uncommitted General Fund Balance represents the funds legally available to the City. It is desirable that the City maintain Unassigned/Uncommitted General Fund Balance that is comparable to the ratio maintained by other double-triple A rated jurisdictions, but not to fall below the limit of 10 percent. The Unassigned General Fund Balance corresponds to the checkbook balance of the City. Both balances are important to consider. The unassigned/uncommitted balance includes commitments that the City Council has made and assignments City management has made but presumably could change. Net assets correspond to stockholders' equity for publicly traded companies. The larger the Unassigned General Fund Balance or spendable net assets, the greater the City's ability to cope with financial emergencies and fluctuations in revenue cycles.

The ratios for Unassigned General Fund Balance and spendable net assets are 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 an assignment 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 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 six-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.

In accordance with the Government Finance Officers Association budget review requirements, this table, taken from the City's FY 2017 Comprehensive Annual Financial Report, is repeated here:

City of Alexandria, Virginia Computation of Legal Debt Margin as of June 30, 2017	
Assessed Value of Real property, January 1, 2017	$38,987,293,704
Debt Limit: 10 Percent of Assessed Value	$3,898,729,370
Amount of Debt Applicable to Debt Limit:	
General Obligation Bonds	$557,233,000
Less Total General Obligation Debt	($557,233,000)
LEGAL DEBT MARGIN REMAINING	$3,341,496,370

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY FINANCIAL POLICIES

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.

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. City Council set minimum and target amounts for the annual General Fund Cash Capital Transfer.

Recurring General Fund Cash Capital Transfer as a Percentage of General Fund Expenditures	
Target	**Minimum**
2.5%	2.0%

This percentage provides a minimum and a target to ensure that cash capital will be maintained at an acceptable level, but at same the 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.

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.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY FINANCIAL POLICIES

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).

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

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.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

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:

CITY FINANCIAL POLICIES

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.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY FINANCIAL POLICIES

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.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY FINANCIAL POLICIES

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.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY FINANCIAL POLICIES

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

Appendix A: Projects Removed from the CIP

Prior Year Projects Deleted in the Approved FY 2019 - 2028 Capital Improvement Program

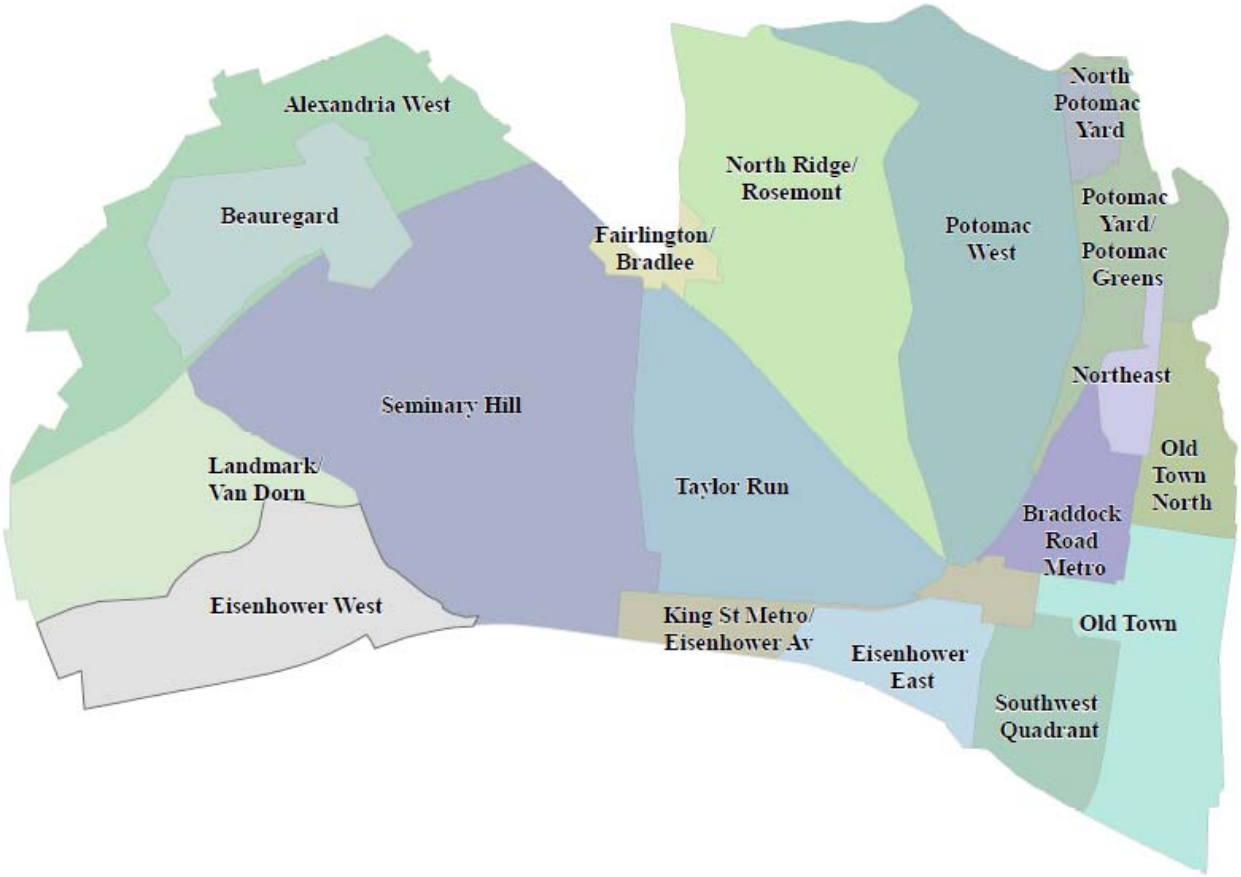
A number of projects that were listed in the prior year Capital Improvement Program (CIP) no longer appear in the Approved FY 2019 – 2028 CIP. In some cases, this is due to the completion of a project; in others a project may no longer be part of the City's plan for future capital investments. This CIP also contains instances where projects have been combined to create a single, all-inclusive project.

CIP Section	Project	Notes
Community Development	EW & LVD Implementation - Air Quality Modeling Analysis Near Metro	Project was merged into the Development Studies parent project.
	EW & LVD Implementation - Developer Contributions Analysis	Project was merged into the Development Studies parent project.
	EW & LVD Implementation - Infrastructure Plan	Project was merged into the Development Studies parent project.
	Old Town North SAP Implementation	Project was merged into the Development Studies parent project.
IT Plan	Electronic Health Records (EHR) Replacement	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	Replacement of City Voting Equipment	Project completed during summer 2017, using FY 2017 year-end surplus funds.
	Security Cameras for TES facilities	Project eliminated from CIP.
	Virtual Desktop Infrastructure Pilot	Project eliminated from CIP.
Public Buildings	Municipal Facilities Planning Project	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	Gadsby's Tavern Renovation	Project eliminated from CIP, per recommendation of the Ad-Hoc Joint City/School Facilities Investment Task Force.
	EOC Audio Visual Equipment	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	EOC/Public Safety Center Reuse	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
	Fire Station 206 (Seminary Rd)	Project eliminated from CIP, per recommendation of the Ad-Hoc Joint City/School Facilities Investment Task Force.
	Data Center Relocation	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
Recreation and Parks	Warwick Pool Renovation	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
Sanitary Sewers	Wet Weather Management Facility	Project was merged into the Combined Sewer Outfall (001-004) project.
Stormwater Management	Ft. Ward Stormwater	Project has reached or is near substantial completion. No additional funding requests are anticipated for this project.
Transportation	King Street Ped/Bike Safety Improvements	Project was not awarded CMAQ/RSTP funds that were requested. Project has been removed from CIP until a new Non-City funding source can be identified.
	Citywide Parking - Parking Study	Project has reached or is near substantial completion. No additional funding requests are anticipated for this 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)



Appendix B: CIP Projects by Reporting Area

Reporting Area	CIP Section	Project
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	Public Buildings	Fire Station 205 (Cameron Street)
Braddock Road Metro	Recreation & Parks	Braddock Area Plan Park
Braddock Road Metro	Recreation & Parks	Old Town Pool Renovations
Citywide	ACPS	ACPS Capital Program
Citywide	CIP Development & Implementation Staff	CIP Development & Implementation Staff
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	Police Body-Worn Cameras (BWC's)
Citywide	Community Development	Public Art Acquisition
Citywide	Community Development	Public Art Conservation Program
Citywide	Community Development	Transportation Signage & Wayfinding System
Citywide	IT Plan	AJIS Enhancements
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 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	FOIA System Replacement
Citywide	IT Plan	GIS Development

Reporting Area	CIP Section	Project
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 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
Citywide	IT Plan	Network Server Infrastructure
Citywide	IT Plan	OHA Records Management 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	Time & Attendance System Upgrade
Citywide	IT Plan	Upgrade Work Station Operating Systems
Citywide	IT Plan	Voice Over Internet Protocol (VoIP)
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	Preventative Maintenance Systems and Staffing Study
Citywide	Public Buildings	Roof Replacement Program
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/Conversion

Reporting Area	CIP Section	Project
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	Reservation of Bond Capacity/Cash Capital for City/School Facilities	CIP Contingency Funding (City)
Citywide	Reservation of Bond Capacity/Cash Capital for City/School Facilities	CIP Contingency Funding (Schools)
Citywide	Reservation of Bond Capacity/Cash Capital for City/School Facilities	CIP Contingency Funding (Undesignated)
Citywide	Reservation of Bond Capacity/Cash Capital for City/School Facilities	City & School Facilities Contingent Funding
Citywide	Reservation of Bond Capacity/Cash Capital for City/School Facilities	City & School Land Acquisition and DCHS Colocation Investment
Citywide	Reservation of Bond Capacity/Cash Capital for City/School Facilities	High School Capacity (Soft Costs)
Citywide	Reservation of Bond Capacity/Cash Capital for City/School Facilities	Planning / Feasibility Studies - Combined City & Schools
Citywide	Sanitary Sewers	Citywide Sewershed Infiltration & Inflow
Citywide	Sanitary Sewers	Combined Sewer Outfall (001 - 004)
Citywide	Sanitary Sewers	Reconstructions & Extensions of Sanitary Sewers
Citywide	Stormwater Management	City Facilities Stormwater Best Management Practices (BMPs)
Citywide	Stormwater Management	Green Infrastructure
Citywide	Stormwater Management	MS4-TMDL Compliance Water Quality Imprv.
Citywide	Stormwater Management	NPDES / MS4 Permit
Citywide	Stormwater Management	Storm Sewer Capacity Assessment
Citywide	Stormwater Management	Storm Sewer System Spot Improvements
Citywide	Stormwater Management	Stormwater Utility Implementation
Citywide	Stormwater Management	Stream & Channel Maintenance
Citywide	Transportation	Bicycle Parking at Transit
Citywide	Transportation	Bridge Repairs
Citywide	Transportation	Bus Shelters and Benches
Citywide	Transportation	Capital Bikeshare
Citywide	Transportation	City Standard Construction Specifications
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 Bus Fleet Replacements (Fleet Electrification)
Citywide	Transportation	DASH Electronic Fare Payment
Citywide	Transportation	DASH Facility and Fleet Expansion
Citywide	Transportation	DASH Hybrid Bus and Trolley Battery Pack Replacement

Reporting Area	CIP Section	Project
Citywide	Transportation	DASH Technology
Citywide	Transportation	Fixed Transportation Equipment
Citywide	Transportation	Safe Routes to Schools
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	Transportation Master Plan Update
Citywide	Transportation	WMATA Capital Contributions
Eisenhower East	Public Buildings	2355 Mill Road CFMP
Eisenhower East	Public Buildings	Expansion of Police Property Evidence Storage Study
Eisenhower East	Public Buildings	Fleet Building CFMP
Eisenhower East	Public Buildings	Office of the Sheriff CFMP
Eisenhower East	Recreation & Parks	African American Heritage Park Repairs
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	Farrington Connector
Eisenhower West	Transportation	Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)
Eisenhower West	Transportation	Van Dorn Metrorail Station Area Imprv.
Eisenhower West/Landmark/Van Dorn	Transportation	EW & LVD Implementation - High Street Design/Engineering
Eisenhower West/Potomac West/Taylor Run	Recreation & Parks	Park Maintenance Facilities
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 (Incl. Duke St Complete St)
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
Norrth Ridge/Rosemont	Public Buildings	Fire Station 203 (Cameron Mills)
Old Town	Community Development	Gadsby Lighting Fixtures & Poles Replacement
Old Town	IT Plan	Courtroom Trial Presentation Technology
Old Town	Public Buildings	City Hall Renovation and HVAC Replacement
Old Town	Public Buildings	Courthouse CFMP
Old Town	Public Buildings	Market Square Plaza and Garage Structural Repairs
Old Town	Public Buildings	Torpedo Factory Space Programming Study
Old Town	Recreation & Parks	City Marina Maintenance
Old Town	Recreation & Parks	City Marina Utility Upgrades
Old Town	Recreation & Parks	Windmill Hill Park Improvements
Old Town	Sanitary Sewers	Combined Sewer System (CSS) Permit Compliance
Old Town	Transportation	Cameron & Prince Bicycle & Pedestrian Facilities

Reporting Area	CIP Section	Project
Old Town North	Sanitary Sewers	Combined Sewer Assessment & Rehabilitation
Old Town North	Transportation	Madison & Montgomery Reconstruction
Old Town North	Transportation	Mt. Vernon Trail @ East Abingdon
Old Town/Old Town North/Braddock Metro	Sanitary Sewers	Combined Sewer Separation Projects
Potomac West	Recreation & Parks	Four Mile Run Park Wetlands Connector Bridge
Potomac West	Sanitary Sewers	Four Mile Run Sanitary Sewer Repair
Potomac West	Stormwater Management	Four Mile Run Channel Maintenance
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, 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	Route 1 Transitway Fare Payment Technology
Seminary Hill	Public Buildings	Vola Lawson Animal Shelter
Seminary Hill	Public Buildings	Witter/Wheeler - Fuel Island Renovation
Seminary Hill	Public Buildings	Witter/Wheeler Campus (includes ACPS Transporation Facility)
Seminary Hill	Recreation & Parks	Fort Ward Management Plan Implementation
Seminary Hill	Recreation & Parks	Patrick Henry Recreation Center
Seminary Hill	Recreation & Parks	Patrick Henry Synthetic Turf Field and Outdoor Play Features
Seminary Hill	Reservation of Bond Capacity/Cash Capital for City/School Facilities	Witter/Wheeler Campus (includes ACPS Transporation Facility)
Seminary Hill	Stormwater Management	Lake Cook Stormwater Management
Seminary Hill	Transportation	Seminary / Howard Safety Improvements
Seminary Hill	Transportation	Seminary Road at Beauregard Street Ellipse
Seminary Hill/Landmark/Van Dorn	Transportation	Holmes Run Greenway
Seminary Hill/Landmark/Van Dorn	Transportation	Holmes Run Trail Connector
Southwest Quadrant	Public Buildings	New Burn Building
Southwest Quadrant	Sanitary Sewers	AlexRenew Wastewater Treatment Plant Capacity
Taylor Run	Public Buildings	Fire Station 207 (Duke Street)
Taylor Run	Recreation & Parks	Chinquapin Recreation Center CFMP
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 2019 – 2028 Capital Projects Requested vs. Proposed vs. Approved

The following list contains all capital projects reviewed during the FY 2019 – 2028 Capital Improvement Program (CIP) development process.

FY 2019 represents the second year of a two-year capital improvement program development cycle. Funding request by departments largely matched what was included in the Approved FY 2018 – FY 2027 CIP.

Section	Subsection	Project	FY 19-28 Requested	FY 19-28 Proposed	FY 19-28 Approved	FY 19-28 Requested Not Funded
ACPS	ACPS	ACPS Capital Program	$ 385,280,000	$ 407,613,448	$ 407,613,448	$ -
CIP Development & Implementation Staff	CIP Development & Implementation Staff	CIP Development & Implementation Staff	$ -	$ 55,324,095	$ 55,324,095	$ -
Community Development	Affordable Housing	Affordable Housing Funding	$ -	$ -	$ 50,423,148	$ -
Community Development	City-Wide Amenities	Gadsby Lighting Fixtures & Poles Replacement	$ 450,000	$ 450,000	$ 450,000	$ -
Community Development	City-Wide Amenities	Public Art Acquisition	$ 3,300,000	$ 3,300,000	$ 3,300,000	$ -
Community Development	City-Wide Amenities	Public Art Conservation Program	$ 225,000	$ 225,000	$ 225,000	$ -
Community Development	City-Wide Amenities	Transportation Signage & Wayfinding System	$ 1,034,000	$ 1,034,000	$ 1,034,000	$ -
Community Development	Neighborhood Planning	Braddock Road Area Plan - Streetscape Improvements	$ 405,000	$ 405,000	$ 405,000	$ -
Community Development	Neighborhood Planning	Development Studies	$ -	$ 1,300,000	$ 1,300,000	$ -
Community Development	Neighborhood Planning	Old Town North SAP Implementation	$ 200,000	$ -	$ -	$ (200,000)
Community Development	Neighborhood Planning	Waterfront Small Area Plan Implementation (w/ Construction Funding)	$ 55,390,000	$ 55,940,000	$ 55,940,000	$ -
Community Development	Public Safety Enhancements	Citywide Street Lighting	$ 250,000	$ 350,000	$ 350,000	$ -
Community Development	Public Safety Enhancements	Fire Department Vehicles & Apparatus	$ 18,344,000	$ 18,344,000	$ 18,344,000	$ -
Community Development	Public Safety Enhancements	Police Body-Worn Cameras (BWC's)	TBD	TBD	TBD	$ -
Community Development	Waterways Maint. & Imprv.	Environmental Restoration	$ 900,000	$ 2,522,160	$ 2,522,160	$ -
Community Development	Waterways Maint. & Imprv.	Oronoco Outfall Remediation Project	$ 200,000	$ 200,000	$ 200,000	$ -
IT Plan	Document Management	Document Imaging	$ 330,000	$ 330,000	$ 330,000	$ -
IT Plan	Financial Systems	Business Tax System/Reciprocity Contractor System	$ 415,000	$ 375,000	$ 375,000	$ (40,000)
IT Plan	Financial Systems	Employee Pension Administration System	$ 550,000	$ 550,000	$ 550,000	$ -
IT Plan	Financial Systems	Enterprise Resource Planning System	$ 400,000	$ 360,000	$ 360,000	$ (40,000)
IT Plan	Financial Systems	Personal Property Tax System	$ 800,000	$ 800,000	$ 800,000	$ -
IT Plan	Financial Systems	Phone, Web, Portable Device Payment Portals	$ 360,000	$ 360,000	$ 360,000	$ -
IT Plan	Financial Systems	Real Estate Account Receivable System	$ 800,000	$ 800,000	$ 800,000	$ -
IT Plan	Financial Systems	Real Estate Assessment System (CAMA)	$ 985,000	$ 985,000	$ 985,000	$ -
IT Plan	Geographic Information Systems	GIS Development	$ 855,000	$ 855,000	$ 855,000	$ -
IT Plan	Network Services	Connectivity Initiatives	$ 6,577,000	$ 6,577,000	$ 6,577,000	$ -
IT Plan	Network Services	Database Infrastructure	$ 440,000	$ 440,000	$ 440,000	$ -
IT Plan	Network Services	Enterprise Camera System	$ -	$ -	$ -	$ -
IT Plan	Network Services	Enterprise Collaboration	$ 360,000	$ 320,000	$ 320,000	$ (40,000)
IT Plan	Network Services	Enterprise Data Storage Infrastructure	$ 3,025,000	$ 3,025,000	$ 3,025,000	$ -
IT Plan	Network Services	Enterprise Service Catalog	$ 320,000	$ 320,000	$ 320,000	$ -
IT Plan	Network Services	Information Technology Equipment Replacement	$ 4,477,000	$ 4,477,000	$ 4,477,000	$ -
IT Plan	Network Services	Information Technology Lump Sum Funding	$ 26,212,000	$ 26,212,000	$ 26,212,000	$ -
IT Plan	Network Services	IT Enterprise Management System	$ -	$ -	$ -	$ -
IT Plan	Network Services	LAN Development	$ 15,000	$ 15,000	$ 15,000	$ -
IT Plan	Network Services	LAN/WAN Infrastructure	$ 2,344,000	$ 2,344,000	$ 2,344,000	$ -
IT Plan	Network Services	Municipal Fiber	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ -
IT Plan	Network Services	Network Security	$ 1,480,000	$ 1,480,000	$ 1,480,000	$ -
IT Plan	Network Services	Network Server Infrastructure	$ 675,000	$ 675,000	$ 675,000	$ -
IT Plan	Network Services	Remote Access	$ 690,000	$ 690,000	$ 690,000	$ -
IT Plan	Network Services	Time & Attendance System Upgrade	$ 60,000	$ 60,000	$ 60,000	$ -
IT Plan	Network Services	Upgrade Work Station Operating Systems	$ 400,000	$ 400,000	$ 400,000	$ -
IT Plan	Network Services	Voice Over Internet Protocol (VoIP)	$ 200,000	$ 200,000	$ 200,000	$ -

Section	Subsection	Project	FY 19-28 Requested	FY 19-28 Proposed	FY 19-28 Approved	FY 19-28 Requested Not Funded
IT Plan	Other System Development Projects	Animal Shelter Server Replacement	$ -	$ -	$ -	$ -
IT Plan	Other System Development Projects	Application Portfolio Management	$ 150,000	$ 150,000	$ 150,000	$ -
IT Plan	Other System Development Projects	Council Chamber Technology Upgrade	$ 150,000	$ 150,000	$ 150,000	$ -
IT Plan	Other System Development Projects	Enterprise Maintenance Mgmt System	$ 380,000	$ 380,000	$ 380,000	$ -
IT Plan	Other System Development Projects	FOIA System Replacement	$ 140,000	$ 140,000	$ 140,000	$ -
IT Plan	Other System Development Projects	HIPAA & Related Health Information Technologies	$ 275,000	$ 275,000	$ 275,000	$ -
IT Plan	Other System Development Projects	Library Public Access Computers and Print Mgmt System	$ 85,000	$ 85,000	$ 85,000	$ -
IT Plan	Other System Development Projects	Library Self-Service Stations/Equipment	$ 58,000	$ 58,000	$ 58,000	$ -
IT Plan	Other System Development Projects	Migration of Integrated Library System to SAAS Platform	$ -	$ -	$ -	$ -
IT Plan	Other System Development Projects	OHA Records Management System Replacement	$ -	$ -	$ -	$ -
IT Plan	Other System Development Projects	Permit Processing	$ -	$ -	$ -	$ -
IT Plan	Other System Development Projects	Project Management Software	$ -	$ -	$ -	$ -
IT Plan	Other System Development Projects	Recreation Database System	$ 125,000	$ 125,000	$ 125,000	$ -
IT Plan	Other System Development Projects	Security Cameras for TES facilities	$ 60,000	$ -	$ -	$ (60,000)
IT Plan	Public Access Development	Customer Relationship Management System	$ -	$ -	$ -	$ -
IT Plan	Public Access Development	Electronic Government/Web Page	$ 755,000	$ 755,000	$ 755,000	$ -
IT Plan	Public Safety Systems	AJIS Enhancements	$ 600,000	$ 2,360,500	$ 2,360,500	$ -
IT Plan	Public Safety Systems	Computer Aided Dispatch (CAD) System Replacement	$ 1,120,000	$ 250,000	$ 250,000	$ (870,000)
IT Plan	Public Safety Systems	Courtroom Trial Presentation Technology	$ 390,000	$ 390,000	$ 390,000	$ -
IT Plan	Public Safety Systems	Emergency 911 Phone System Upgrade	$ -	$ -	$ -	$ -
IT Plan	Public Safety Systems	EMS Records Management System	$ -	$ -	$ -	$ -
IT Plan	Public Safety Systems	Radio System Upgrade	$ 4,521,000	$ 4,521,000	$ 4,521,000	$ -
Other Regional Contributions	Other Regional Contributions	Northern Virginia Community College (NVCC)	$ 4,131,794	$ 4,131,794	$ 4,131,794	$ -
Other Regional Contributions	Other Regional Contributions	Northern Virginia Regional Park Authority (NVRPA)	$ 4,558,432	$ 4,558,432	$ 4,558,432	$ -
Public Buildings	General Government Facilities	2355 Mill Road CFMP	$ 3,761,000	$ 3,761,000	$ 3,761,000	$ -
Public Buildings	General Government Facilities	Capital Planning & Building Assessment (Condition Assessment)	$ 1,050,000	$ 1,050,000	$ 1,050,000	$ -
Public Buildings	General Government Facilities	City Hall Renovation and HVAC Replacement	$ 34,775,000	$ 34,775,000	$ 34,775,000	$ -
Public Buildings	General Government Facilities	Emergency Power Systems	$ 1,615,000	$ 1,615,000	$ 1,615,000	$ -
Public Buildings	General Government Facilities	Energy Management Program	$ 7,093,000	$ 7,093,000	$ 7,093,000	$ -
Public Buildings	General Government Facilities	Fleet Building CFMP	$ 6,570,000	$ 6,570,000	$ 6,570,000	$ -
Public Buildings	General Government Facilities	General Services CFMP	$ 7,100,000	$ 8,944,250	$ 8,944,250	$ -
Public Buildings	General Government Facilities	Market Square Plaza and Garage Structural Repairs	$ 6,500,000	$ 6,500,000	$ 6,500,000	$ -
Public Buildings	General Government Facilities	Preventative Maintenance Systems and Staffing Study	$ -	$ 350,000	$ 350,000	$ -
Public Buildings	General Government Facilities	Roof Replacement Program	$ 3,080,000	$ 3,080,000	$ 3,080,000	$ -
Public Buildings	General Government Facilities	Witter/Wheeler - Fuel Island Renovation	$ -	$ -	$ -	$ -
Public Buildings	Library Facilities	Beatley Building Envelope Restoration	$ -	$ -	$ -	$ -
Public Buildings	Library Facilities	Library CFMP	$ 953,000	$ 953,000	$ 953,000	$ -
Public Buildings	Preservation of Historic Facilities	City Historic Facilities CFMP	$ 7,905,000	$ 8,305,000	$ 8,305,000	$ -
Public Buildings	Preservation of Historic Facilities	Torpedo Factory Space Programming Study	$ 370,000	$ 370,000	$ 370,000	$ -
Public Buildings	Public Health & Welfare Facilities	Health Department CFMP	$ 4,090,000	$ 4,090,000	$ 4,090,000	$ -
Public Buildings	Public Health & Welfare Facilities	Mental Health Residential Facilities CFMP	$ 750,000	$ 750,000	$ 750,000	$ -
Public Buildings	Public Safety Facilities	Courthouse CFMP	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ -
Public Buildings	Public Safety Facilities	Courthouse/PSC Security System Upgrade	$ 3,500,000	$ 3,500,000	$ 3,500,000	$ -
Public Buildings	Public Safety Facilities	Expansion of Police Property Evidence Storage Study	$ 100,000	$ 100,000	$ 100,000	$ -
Public Buildings	Public Safety Facilities	Fire & Rescue CFMP	$ 4,295,000	$ 6,249,000	$ 6,249,000	$ -
Public Buildings	Public Safety Facilities	Fire Station 203 (Cameron Mills)	$ -	$ 1,400,000	$ 1,400,000	$ -
Public Buildings	Public Safety Facilities	Fire Station 205 (Cameron Street)	$ 11,275,000	$ 11,275,000	$ 11,275,000	$ -
Public Buildings	Public Safety Facilities	Fire Station 207 (Duke Street)	$ 18,200,000	$ 18,200,000	$ 18,200,000	$ -
Public Buildings	Public Safety Facilities	New Burn Building	$ 2,140,000	$ 2,140,000	$ 2,140,000	$ -
Public Buildings	Public Safety Facilities	Office of the Sheriff CFMP	$ 13,407,000	$ 13,407,000	$ 13,407,000	$ -
Public Buildings	Public Safety Facilities	Pistol Range	$ -	$ 100,000	$ 100,000	$ -
Public Buildings	Public Safety Facilities	Vola Lawson Animal Shelter	$ 400,000	$ 400,000	$ 400,000	$ -

Section	Subsection	Project	FY 19-28 Requested	FY 19-28 Proposed	FY 19-28 Approved	FY 19-28 Requested Not Funded
Recreation & Parks	Aquatics Facilities	Neighborhood Pool Demolition/Conversion	$ 900,000	$ 900,000	$ 900,000	$ -
Recreation & Parks	Aquatics Facilities	Old Town Pool Renovations	$ 5,500,000	$ 5,500,000	$ 5,500,000	$ -
Recreation & Parks	Aquatics Facilities	Public Pools	$ 805,000	$ 805,000	$ 805,000	$ -
Recreation & Parks	Open Space Acquisition & Development	Open Space Acquisition and Develop.	$ 13,230,000	$ 13,230,000	$ 13,230,000	$ -
Recreation & Parks	Park Maintenance & Improvements	African American Heritage Park Repairs	$ -	$ -	$ -	$ -
Recreation & Parks	Park Maintenance & Improvements	Americans with Disabilities Act (ADA) Requirements	$ 1,320,000	$ 1,320,000	$ 1,320,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Athletic Field Improvements (incl. Synthetic Turf)	$ 20,000,000	$ 20,000,000	$ 20,000,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Ball Court Renovations	$ 1,530,000	$ 1,530,000	$ 1,530,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Community Matching Fund	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Four Mile Run Park Wetlands Connector Bridge	$ -	$ -	$ -	$ -
Recreation & Parks	Park Maintenance & Improvements	Park Maintenance Facilities	$ -	$ -	$ -	$ -
Recreation & Parks	Park Maintenance & Improvements	Park Renovations CFMP	$ 4,231,000	$ 4,231,000	$ 4,231,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Patrick Henry Synthetic Turf Field and Outdoor Play Features	$ -	$ -	$ -	$ -
Recreation & Parks	Park Maintenance & Improvements	Pavement in Parks	$ 2,550,000	$ 2,550,000	$ 2,550,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Playground Renovations CFMP	$ 6,599,000	$ 6,599,000	$ 6,599,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Potomac Yard Park Basketball Court Lights	$ -	$ -	$ -	$ -
Recreation & Parks	Park Maintenance & Improvements	Restroom Renovations	$ 800,000	$ 800,000	$ 800,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Soft Surface Trails	$ 1,227,000	$ 1,227,000	$ 1,227,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Tree & Shrub Capital Maintenance	$ 3,008,500	$ 3,146,500	$ 3,146,500	$ -
Recreation & Parks	Park Maintenance & Improvements	Water Management & Irrigation	$ 1,304,000	$ 1,304,000	$ 1,304,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Waterfront Parks CFMP	$ 510,000	$ 510,000	$ 510,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Windmill Hill Park Improvements	$ -	$ -	$ -	$ -
Recreation & Parks	Recreation Facility Maintenance	Chinquapin Recreation Center CFMP	$ 5,995,000	$ 5,995,000	$ 5,995,000	$ -
Recreation & Parks	Recreation Facility Maintenance	City Marina Maintenance	$ 525,000	$ 525,000	$ 525,000	$ -
Recreation & Parks	Recreation Facility Maintenance	Proactive Maintenance of the Urban Forest	$ 1,719,500	$ 1,719,500	$ 1,719,500	$ -
Recreation & Parks	Recreation Facility Maintenance	Recreation Centers CFMP	$ 7,250,000	$ 7,268,000	$ 7,268,000	$ -
Recreation & Parks	Renovated or New Recreation Facilities	Braddock Area Plan Park	$ 965,213	$ 965,213	$ 965,213	$ -
Recreation & Parks	Renovated or New Recreation Facilities	City Marina Utility Upgrades	$ -	$ -	$ -	$ -
Recreation & Parks	Renovated or New Recreation Facilities	Citywide Parks Improvements Plan	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ -
Recreation & Parks	Renovated or New Recreation Facilities	Fort Ward Management Plan Implementation	$ 1,120,000	$ 1,120,000	$ 1,120,000	$ -
Recreation & Parks	Renovated or New Recreation Facilities	Patrick Henry Recreation Center	$ -	$ -	$ -	$ -
Reservation of Bond Capacity/Cash Capital for City/School Facilities	Reservation of Bond Capacity/Cash Capital for City/School Facilities	CIP Contingency Funding (City)	$ -	$ 13,044,755	$ 13,044,755	$ -
Reservation of Bond Capacity/Cash Capital for City/School Facilities	Reservation of Bond Capacity/Cash Capital for City/School Facilities	CIP Contingency Funding (Schools)	$ -	$ 25,207,087	$ 25,207,087	$ -
Reservation of Bond Capacity/Cash Capital for City/School Facilities	Reservation of Bond Capacity/Cash Capital for City/School Facilities	CIP Contingency Funding (Undesignated)	$ -	$ 16,570,625	$ 16,570,625	$ -
Reservation of Bond Capacity/Cash Capital for City/School Facilities	Reservation of Bond Capacity/Cash Capital for City/School Facilities	City & School Facilities Contingent Funding	$ 56,700,000	$ -	$ -	$ (56,700,000)
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	$ 50,000,000	$ 60,000,000	$ 60,000,000	$ -
Reservation of Bond Capacity/Cash Capital for City/School Facilities	Reservation of Bond Capacity/Cash Capital for City/School Facilities	High School Capacity (Soft Costs)	$ -	$ 5,150,000	$ 5,150,000	$ -
Reservation of Bond Capacity/Cash Capital for City/School Facilities	Reservation of Bond Capacity/Cash Capital for City/School Facilities	Joint City and ACPS Facilities Master Plan	$ 2,000,000	$ -	$ -	$ (2,000,000)
Reservation of Bond Capacity/Cash Capital for City/School Facilities	Reservation of Bond Capacity/Cash Capital for City/School Facilities	Planning / Feasibility Studies - Combined City & Schools	$ 3,050,000	$ 2,050,000	$ 2,050,000	$ (1,000,000)
Reservation of Bond Capacity/Cash Capital for City/School Facilities	Reservation of Bond Capacity/Cash Capital for City/School Facilities	Witter/Wheeler Campus (includes ACPS Transporation Facility)	$ 35,710,000	$ 35,710,000	$ 35,710,000	$ -
Sanitary Sewers	Sanitary Sewers	AlexRenew Wastewater Treatment Plant Capacity	$ 34,220,000	$ 34,220,000	$ 34,220,000	$ -
Sanitary Sewers	Sanitary Sewers	Citywide Sewershed Infiltration & Inflow	$ 9,925,000	$ 9,925,000	$ 9,925,000	$ -
Sanitary Sewers	Sanitary Sewers	Combined Sewer Assessment & Rehabilitation	$ 8,800,000	$ 8,800,000	$ 8,800,000	$ -
Sanitary Sewers	Sanitary Sewers	Combined Sewer Outfall (001 - 004)	$ 386,963,000	$ 385,000,000	$ 385,000,000	$ (1,963,000)
Sanitary Sewers	Sanitary Sewers	Combined Sewer Separation Projects	$ 3,900,000	$ 3,900,000	$ 3,900,000	$ -
Sanitary Sewers	Sanitary Sewers	Combined Sewer System (CSS) Permit Compliance	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ -
Sanitary Sewers	Sanitary Sewers	Four Mile Run Sanitary Sewer Repair	$ -	$ -	$ -	$ -
Sanitary Sewers	Sanitary Sewers	Holmes Run Trunk Sewer	$ -	$ -	$ -	$ -
Sanitary Sewers	Sanitary Sewers	Reconstructions & Extensions of Sanitary Sewers	$ 9,000,000	$ 9,000,000	$ 9,000,000	$ -
Stormwater Management	Stormwater Management	Cameron Station Pond Retrofit	$ -	$ -	$ -	$ -
Stormwater Management	Stormwater Management	City Facilities Stormwater Best Management Practices (BMPs)	$ 1,133,000	$ 1,133,000	$ 1,133,000	$ -
Stormwater Management	Stormwater Management	Four Mile Run Channel Maintenance	$ 600,000	$ 600,000	$ 600,000	$ -
Stormwater Management	Stormwater Management	Green Infrastructure	$ 3,500,000	$ 3,150,000	$ 3,150,000	$ (350,000)
Stormwater Management	Stormwater Management	Lake Cook Stormwater Management	$ -	$ -	$ -	$ -
Stormwater Management	Stormwater Management	Lucky Run Stream Restoration	$ 1,253,720	$ 1,253,720	$ 1,253,720	$ -
Stormwater Management	Stormwater Management	MS4-TMDL Compliance Water Quality Imprv.	$ 48,500,000	$ 48,500,000	$ 48,500,000	$ -
Stormwater Management	Stormwater Management	NPDES / MS4 Permit	$ 1,770,000	$ 1,770,000	$ 1,770,000	$ -
Stormwater Management	Stormwater Management	Storm Sewer Capacity Assessment	$ 1,450,000	$ 1,450,000	$ 1,450,000	$ -
Stormwater Management	Stormwater Management	Storm Sewer System Spot Improvements	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ -
Stormwater Management	Stormwater Management	Stormwater Utility Implementation	$ 155,000	$ 155,000	$ 155,000	$ -
Stormwater Management	Stormwater Management	Stream & Channel Maintenance	$ 4,415,000	$ 4,415,000	$ 4,415,000	$ -

Section	Subsection	Project	FY 19-28 Requested	FY 19-28 Proposed	FY 19-28 Approved	FY 19-28 Requested Not Funded
Transportation	Fixed Transportation Equipment	Citywide Parking - Parking Technologies	$ 1,885,602	$ 1,885,602	$ 1,885,602	$ -
Transportation	Fixed Transportation Equipment	Citywide Trans. Mgmt. Tech. - Broadband Communications Link	$ -	$ -	$ -	$ -
Transportation	Fixed Transportation Equipment	Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	$ 1,578,000	$ 1,578,000	$ 1,578,000	$ -
Transportation	Fixed Transportation Equipment	Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ -
Transportation	Fixed Transportation Equipment	Citywide Trans. Mgmt. Tech. - Transportation Technologies	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ -
Transportation	Fixed Transportation Equipment	Fixed Transportation Equipment	$ 10,200,000	$ 10,200,000	$ 10,200,000	$ -
Transportation	Fixed Transportation Equipment	Traffic Adaptive Signal Control	$ 7,676,000	$ 7,676,000	$ 7,676,000	$ -
Transportation	High Capacity Transit Corridors	Route 1 Transitway Fare Payment Technology	$ 1,454,491	$ 1,454,491	$ 1,454,491	$ -
Transportation	High Capacity Transit Corridors	Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	$ 19,000,000	$ 19,000,000	$ 19,000,000	$ -
Transportation	High Capacity Transit Corridors	Transit Corridor "C" - West End Transitway	$ 127,701,000	$ 127,701,000	$ 127,701,000	$ -
Transportation	Non-Motorized Transportation	Backlick Run Multi-Use Paths	$ 6,229,000	$ 6,229,000	$ 6,229,000	$ -
Transportation	Non-Motorized Transportation	Bicycle Parking at Transit	$ -	$ -	$ -	$ -
Transportation	Non-Motorized Transportation	BRAC & Central City Neighborhood Protection Plan	$ -	$ -	$ -	$ -
Transportation	Non-Motorized Transportation	Cameron & Prince Bicycle & Pedestrian Facilities	$ -	$ -	$ -	$ -
Transportation	Non-Motorized Transportation	Capital Bikeshare	$ 1,770,000	$ 1,770,000	$ 1,770,000	$ -
Transportation	Non-Motorized Transportation	Complete Streets	$ 8,490,000	$ 9,465,000	$ 9,465,000	$ -
Transportation	Non-Motorized Transportation	Holmes Run Greenway	$ -	$ -	$ -	$ -
Transportation	Non-Motorized Transportation	Holmes Run Trail Connector	$ -	$ -	$ -	$ -
Transportation	Non-Motorized Transportation	Mt. Vernon Trail @ East Abingdon	$ -	$ -	$ -	$ -
Transportation	Non-Motorized Transportation	Old Cameron Run Trail	$ 3,795,000	$ 3,795,000	$ 3,795,000	$ -
Transportation	Non-Motorized Transportation	Safe Routes to Schools	$ -	$ -	$ -	$ -
Transportation	Non-Motorized Transportation	Seminary / Howard Safety Improvements	$ -	$ -	$ -	$ -
Transportation	Non-Motorized Transportation	Shared-Use Paths	$ 1,200,000	$ 1,200,000	$ 1,200,000	$ -
Transportation	Non-Motorized Transportation	Sidewalk Capital Maintenance	$ 4,527,000	$ 4,827,000	$ 4,827,000	$ -
Transportation	Non-Motorized Transportation	Transportation Master Plan Update	$ 500,000	$ 500,000	$ 500,000	$ -
Transportation	Non-Motorized Transportation	Van Dorn/Beauregard Bicycle Facilities	$ 1,421,000	$ 1,421,000	$ 1,421,000	$ -
Transportation	Public Transit	Bus Shelters and Benches	$ 2,078,602	$ 2,078,602	$ 2,078,602	$ -
Transportation	Public Transit	DASH Bus Fleet Replacements	$ 23,458,000	$ 23,458,000	$ 23,458,000	$ -
Transportation	Public Transit	DASH Bus Fleet Replacements (Fleet Electrification)	$ -	TBD	$ (0)	$ (0)
Transportation	Public Transit	DASH Electronic Fare Payment	$ 1,200,000	$ 1,200,000	$ 1,200,000	$ -
Transportation	Public Transit	DASH Facility and Fleet Expansion	$ 11,135,000	$ 11,135,000	$ 11,135,000	$ -
Transportation	Public Transit	DASH Hybrid Bus and Trolley Battery Pack Replacement	$ 4,800,000	$ 4,800,000	$ 4,800,000	$ -
Transportation	Public Transit	DASH Technology	$ 800,000	$ 800,000	$ 800,000	$ -
Transportation	Public Transit	Eisenhower Metrorail Station Improvements	$ -	$ -	$ -	$ -
Transportation	Public Transit	King Street Metrorail Station Area Improvements	$ 308,000	$ 308,000	$ 300,706	$ (7,294)
Transportation	Public Transit	Potomac Yard Metrorail Station	$ -	$ -	$ -	$ -
Transportation	Public Transit	Van Dorn Metrorail Station Area Imprv.	$ -	$ -	$ -	$ -
Transportation	Public Transit	WMATA Capital Contributions	$ 265,000,000	$ 254,471,455	$ 254,471,455	$ (10,528,545)
Transportation	Streets & Bridges	Bridge Repairs	$ 11,500,000	$ 11,500,000	$ 11,500,000	$ -
Transportation	Streets & Bridges	City Standard Construction Specifications	$ -	$ -	$ -	$ -
Transportation	Streets & Bridges	East Glebe & Route 1	$ 1,400,000	$ 1,400,000	$ 1,400,000	$ -
Transportation	Streets & Bridges	Eisenhower Avenue Roadway Improvements	$ 170,000	$ 170,000	$ 170,000	$ -
Transportation	Streets & Bridges	EW & LVD Implementation - High Street Design/Engineering	$ 500,000	$ 500,000	$ 500,000	$ -
Transportation	Streets & Bridges	Farrington Connector	$ 500,000	$ 500,000	$ 500,000	$ -
Transportation	Streets & Bridges	King & Beauregard Intersection Improvements	$ -	$ -	$ -	$ -
Transportation	Streets & Bridges	Madison & Montgomery Reconstruction	$ -	$ -	$ -	$ -
Transportation	Streets & Bridges	Seminary Road at Beauregard Street Ellipse	$ 36,400,000	$ 36,400,000	$ 36,400,000	$ -
Transportation	Streets & Bridges	Street Reconstruction & Resurfacing of Major Roads	$ 49,810,000	$ 51,310,000	$ 51,310,000	$ -
Transportation	Streets & Bridges	Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	$ 300,000	$ 300,000	$ 300,000	$ -
			$ 2,053,596,854	**$ 2,141,747,229**	**$ 2,192,163,083**	**$ (73,798,839)**

Appendix D: Operating Impacts

The following tables indicate the FY 2019 – FY 2028 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.

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Annual Impact										
Community Development										
Citywide Street Lighting	300	300	300	300	300	300	300	300	300	300
Gadsby Lighting Fixtures & Poles Replacement	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Oronoco Outfall Remediation Project	154,000	184,000	188,000	195,000	200,000	205,000	210,000	216,000	222,000	228,200
Transportation Signage & Wayfinding System	0	0	25,000	25,750	26,523	27,318	28,138	28,982	29,851	30,700
IT Plan										
Courtroom Trial Presentation Technology	0	10,000	20,000	20,600	21,218	21,855	22,510	23,185	23,881	24,597
EMS Records Management System	40,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000
Enterprise Service Catalog	36,050	37,132	38,245	39,393	0	0	0	0	0	0
FOIA System Replacement	0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,000
Library Self-Service Stations/Equipment	5,459	5,623	5,791	5,965	6,144	6,328	6,518	6,714	6,915	7,100
Municipal Fiber	0	250,000	257,500	265,225	273,182	281,377	289,819	298,513	307,468	316,700
OHA Records Management System Replacement	14,000	14,500	15,100	15,700	16,400	0	0	0	0	0
Radio System Upgrade	0	-	-	-	-	0	0	0	0	0
Public Buildings										
Courthouse/PSC Security System Upgrade	0	0	65,000	66,950	68,959	71,027	73,158	75,353	77,613	79,900
Fire Station 203 (Cameron Mills)	0	90,000	92,700	95,481	98,345	101,296	104,335	107,465	110,689	114,009
Fire Station 205 (Cameron Street)	0	0	0	0	0	90,000	92,700	95,481	98,345	101,296
Fire Station 207 (Duke Street)	0	0	0	0	0	0	0	0	92,000	94,760
Recreation & Parks										
Fort Ward Management Plan Implementation	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,167	3,262	3,400
Neighborhood Pool Demolition/Conversion	0	12,000	12,360	12,731	13,113	13,506	13,911	14,329	14,758	15,200
Park Maintenance Facilities	0	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900
Patrick Henry Recreation Center	484,000	498,520	513,476	528,880	544,746	561,089	577,921	595,259	613,117	631,510
Patrick Henry Synthetic Turf Field and Outdoor Play Features	0	25,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Potomac Yard Park Basketball Court Lights	0	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Tree & Shrub Capital Maintenance	24,586	25,324	26,084	127,614	131,443	135,386	139,448	143,631	264,735	272,700
Stormwater Management										
Cameron Station Pond Retrofit	0	135,000	139,050	143,222	147,518	151,944	156,502	161,197	166,033	171,000
City Facilities Stormwater Best Management Practices (BMPs)	25,000	25,750	26,523	27,318	28,138	28,982	29,851	30,747	31,669	32,600
Green Infrastructure	2,000	2,060	3,322	3,422	4,925	5,073	6,825	7,030	9,041	9,300
Lake Cook Stormwater Management	103,000	106,090	109,273	112,551	115,927	119,405	122,987	126,677	130,477	134,400
Lucky Run Stream Restoration	0	0	2,000	2,060	2,122	2,185	2,251	2,319	2,388	2,460
MS4-TMDL Compliance Water Quality Imprv.	50,000	51,500	53,045	100,000	103,000	150,000	154,500	159,135	163,909	168,800
Stormwater Utility Implementation	0	152,982	157,571	162,299	167,168	172,183	177,348	182,669	188,149	193,800

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Annual Impact										
Transportation										
Bus Shelters and Benches	148,591	150,820	153,082	155,378	157,709	160,075	162,476	164,913	166,900	169,400
Capital Bikeshare	692,000	826,000	972,000	1,001,160	1,031,195	1,062,131	1,093,995	1,126,814	1,160,619	1,195,400
Complete Streets	60,000	61,800	63,654	65,564	67,531	69,556	71,643	73,792	76,006	78,286
Eisenhower Avenue Roadway Improvements	0	0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,400
Eisenhower Metrorail Station Improvements	0	15,000	15,450	15,913	16,391	16,883	17,389	17,911	18,448	19,000
Fixed Transportation Equipment	0	0	2,500	0	0	2,500	0	0	2,500	2,500
King & Beauregard Intersection Improvements	0	0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,400
King Street Metrorail Station Area Improvements	0	63,000	64,890	66,836	68,841	70,907	73,934	75,225	77,481	79,800
Old Cameron Run Trail	0	2,500	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,200
Potomac Yard Metrorail Station	0	0	1,395,000	2,873,700	2,959,911	3,048,708	3,140,169	3,234,374	3,331,405	3,431,300
Seminary Road at Beauregard Street Ellipse	0	0	0	0	25,000	25,000	25,000	25,000	25,000	25,000
Transit Corridor "C" - West End Transitway	0	0	0	0	2,400,000	2,472,000	2,546,160	2,622,545	2,701,221	2,782,258
Annual Impact Total	1,853,561	2,837,553	4,592,718	6,306,382	8,874,734	9,312,666	9,582,154	9,859,692	10,358,871	10,660,077

Appendix E: Street, Sidewalk and Complete Streets Funding Summary

The table below summarizes the City's approved capital efforts, for the next three years, related to street paving, sidewalk maintenance and Complete Streets in the Approved FY 2019 – 2028 CIP.

	Approved FY 2019 - 2028 CIP		
Funding Source	**FY 2019**	**FY 2020**	**FY 2021**
Complete Streets			
GO Bonds	$ 249,000	$ 500,000	$ 500,000
Cash Capital	$ 970,000	$ 630,000	$ 630,000
TIP	$ 326,000	$ -	$ -
Sub-Total	$ 1,545,000	$ 1,130,000	$ 1,130,000
Street Reconstruction & Resurfacing of Major Roads			
GO Bonds	$ 5,260,000	$ 4,000,000	$ 4,000,000
State Revenue Sharing		$ 1,500,000	$ 1,500,000
Sub-Total	$ 5,260,000	$ 5,500,000	$ 5,500,000
Sidewalk Capital Maintenance			
Cash Capital	$ 600,000	$ 600,000	$ 600,000
Sub-Total	$ 600,000	$ 600,000	$ 600,000
Fixed Transportation Equipment (Signage/Signals/Markings Line Item)			
Cash Capital	$ 30,000	$ 40,000	$ 25,000
Sub-Total	$ 30,000	$ 40,000	$ 25,000
Total Consoidated Street CIP Funding	**$ 7,435,000**	**$ 7,270,000**	**$ 7,255,000**

	Approved FY 2019 - 2028 CIP		
Expenditures	**FY 2019**	**FY 2020**	**FY 2021**
Complete Streets			
Sidewalk projects with paving projects	$ 50,000	$ 50,000	$ 50,000
Street projects with paving projects	$ 160,000	$ 90,000	$ 90,000
Non-paving projects	$ 1,054,000	$ 702,000	$ 702,000
Staff	$ 281,000	$ 288,000	$ 288,000
Sub-Total	$ 1,545,000	$ 1,130,000	$ 1,130,000
Street Resurfacing			
Paving projects	$ 4,760,000	$ 5,000,000	$ 5,000,000
Alley paving	$ 250,000	$ 250,000	$ 250,000
Sub-Total	$ 5,010,000	$ 5,250,000	$ 5,250,000
Signage/Signals/Markings			
Repair and upgrade traffic signal vehicle detection	$ 30,000	$ 40,000	$ 25,000
Markings	$ 250,000	$ 250,000	$ 250,000
Sub-Total	$ 280,000	$ 290,000	$ 275,000
Sidewalks			
Sidewalk projects	$ 600,000	$ 600,000	$ 600,000
Sub-Total	$ 600,000	$ 600,000	$ 600,000
Total Consolidated Street CIP Expenditures	**$ 7,435,000**	**$ 7,270,000**	**$ 7,255,000**

Program	FY 19 Amount dedicated to repaving	Percent of total FY 19 funding
Complete Streets	$ 210,000	3%
Street Resurfacing	$ 4,760,000	78%
Alleys	$ 250,000	4%
Signage/Signals/Markings	$ 280,000	5%
Sidewalks	$ 600,000	10%
Total	**$ 6,100,000**	**100%**