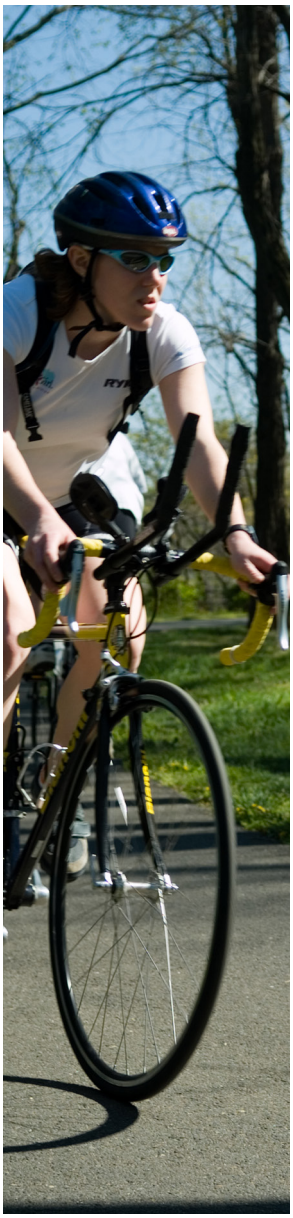
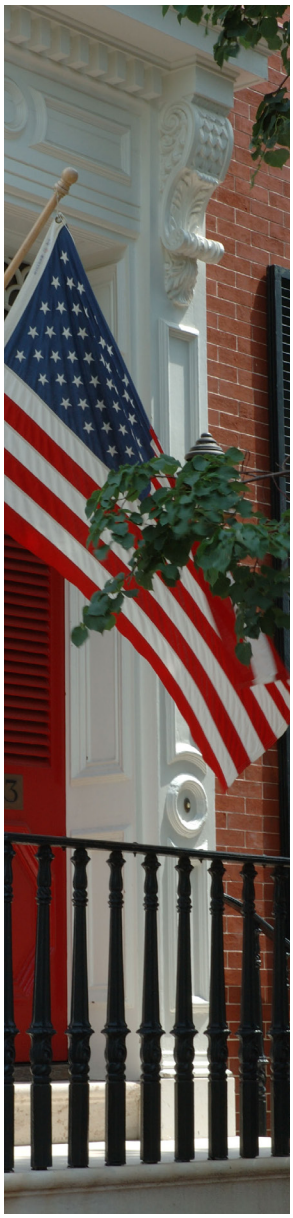
Proposed FY 2017

CAPITAL IMPROVEMENT PROGRAM

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CITY OF ALEXANDRIA VIRGINIA

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- Alexandria residence
- George Washington Parade

City of Alexandria, Virginia

PROPOSED FY 2017 - 2026

CAPITAL IMPROVEMENT

PROGRAM

(Incorporating the Information Technology Plan)

ALEXANDRIA CITY COUNCIL

Allison Silberberg, Mayor

Justin M. Wilson, Vice Mayor

Willie F. Bailey

John T. Chapman

Timothy B. Lovain

Redella S. Pepper

Paul C. Smedberg

CITY MANAGER

Mark B. Jinks

Debra R. Collins, Deputy City Manager
Laura Triggs, Deputy City Manager
Emily Baker, Deputy City Manager
Morgan Routt, OMB Director

Prepared by the Office of Management and Budget

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Charlie Jenkins, Administrative Analyst

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

GOVERNMENT FINANCE OFFICERS ASSOCIATION

Distinguished Budget Presentation Award

PRESENTED TO

City of Alexandria

Virginia

For the Fiscal Year Beginning

July 1, 2015

Executive Director

The Government Finance Officers Association of the United States and Canada (GFOA) presented a Distinguished Budget Presentation Award to the City of Alexandria, Virginia for its annual budget for the fiscal year beginning July 2015.

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

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

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CITY OF ALEXANDRIA, VIRGINIA

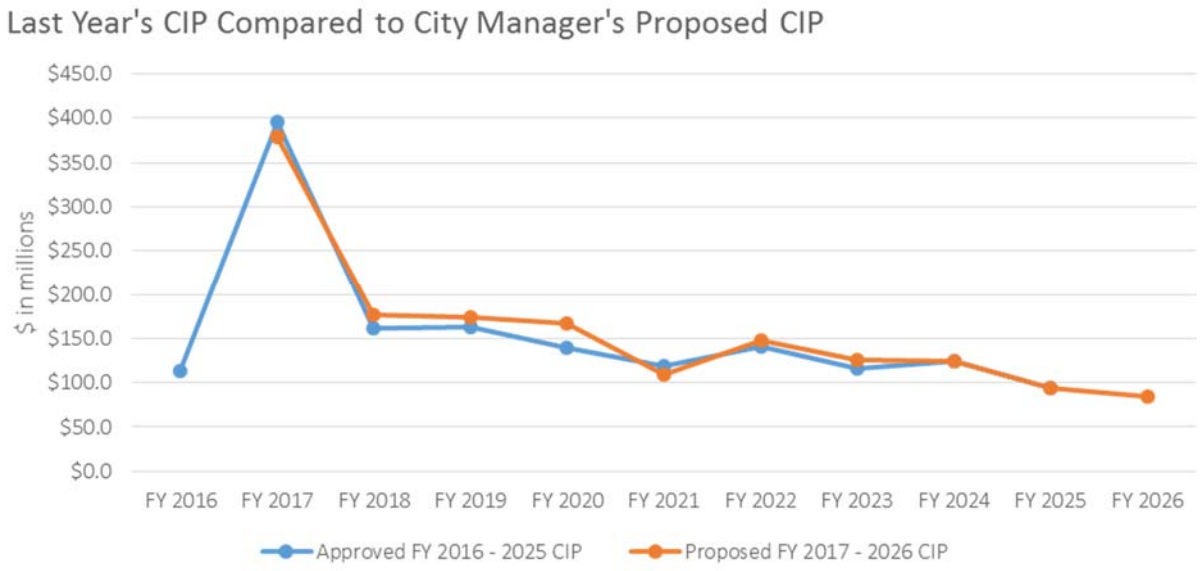
Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

PROPOSED CIP OVERVIEW

The City Manager's Proposed FY 2017 – 2026 Capital Improvement Program (CIP) totals $1.583 billion. The Proposed CIP maintains the reserved 2.2 cents on the base real estate tax rate for the continuation of the City's Transportation Improvement Program (TIP) approved by City Council beginning in FY 2012 to support capital infrastructure needs and new operating costs associated with new transportation capital projects. The City Manager's Proposed FY 2017 – 2026 CIP is a balanced ten-year plan in that all projects have identified funding sources.

The City Manager's Proposed FY 2017 – 2026 CIP also continues planned funding for the Potomac Yard Metrorail Station. The Proposed CIP includes a $50 million low cost, flexible loan from the Virginia Infrastructure Transportation Bank (VTIB) to support the construction of the Potomac Yard Metrorail Station. The loan, awarded through a competitive project review process, was provided to the City at a 2.17% interest rate – this loan, coupled with a proposed Federal TIFIA loan request of up to $88 million, will reduce the amount of General Obligation Bond borrowing required for station construction, as well as reducing debt service costs. Both the VTIB loan and General Obligation Bonds will be repaid with incremental taxes, revenue from Special Tax Districts, real estate property appreciation, as well planned developer contributions associated with Potomac Yard. Additionally, Northern Virginia Transportation Authority (NVTA) funding is anticipated to be available to offset project costs. General Fund revenues will not be used or needed to fund repayment of debt issued for Potomac Yard.

The Proposed FY 2017 – 2026 Capital Improvement Program totals $1.583 billion, which represents a $16.2 million, or 1.03%, increase from the Approved FY 2016 - 2025 CIP. The Proposed FY 2017 – 2026 CIP closely matches the Approved FY 2016 – 2025 CIP and represents a continued commitment to the CIP adopted by City Council in May 2015.



CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

Supporting the City Strategic Structure

The City Manager's Proposed FY 2017 – 2026 CIP supports City's strategic plan and structure. In the Proposed FY 2017 - 2026 Capital Improvement Program document, each individual project provides information on the City Strategic Goal(s) and Long-Term Outcome(s) that the project supports. By supporting these Strategic Goals and Long-Term Outcomes, the City ensures that capital investments are being prioritized and balancing the future capital infrastructure needs in the City with available resources.

Diversity of Capital Improvement Program Funding

The funding makeup of the City's capital program is growing increasingly diverse each year. To help organize this complexity (which also brings new opportunities), the Proposed FY 2017 – 2026 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 ($899.2 million) -** Includes general cash sources and General Obligation Bond revenues for the base CIP program.
- **Restricted City funds ($255.2 million) -** Includes both cash and General Obligation Bond revenues associated with the Sanitary Sewer Fund, Stormwater Management Fund, Transportation Improvement Program, Potomac Yard Metrorail Station, 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 ($428.3 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 38% cash / 62% borrowing structure in this year's 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 41% cash / 59% borrowing structure.

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 we consider having an overall CIP which is 25% cash capital <u>from all cash sources</u> as very healthy.

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

Revenues	Last Year FY 2016 - FY 2025	Proposed FY 2017 - FY 2026	Difference FY 2017 - FY 2016
Unrestricted			
Cash Sources (Including G/F Transfer)	$ 204,862,733	$ 207,931,635	$ 3,068,902
G.O. Bonds	$ 714,035,279	$ 691,248,274	$ (22,787,005)
Subtotal, Unrestricted City Revenues	*$ 918,898,012*	*$ 899,179,909*	*$ (19,718,103)*
Restricted			
Potomac Yard (Cash Sources)	$ 3,000,000	$ -	$ (3,000,000)
Potomac Yard (GO Bonds)*	$ 154,000,000	$ 154,000,000	$ (0)
Potomac Yard (VTIB Loan)	$ 50,000,000	$ 50,000,000	$ -
Sanitary Sewer (Cash Sources)	$ 10,300,000	$ 10,900,000	$ 600,000
Sanitary Sewer (GO Bonds)	$ 78,920,000	$ 78,420,000	$ (500,000)
Transportation Improvement Program (Cash Sources)	$ 10,200,000	$ 10,550,000	$ 350,000
Transportation Improvement Program (GO Bonds)	$ 5,400,000	$ 750,000	$ (4,650,000)
Code Fund	$ 1,750,000	$ -	$ (1,750,000)
Pension Administrative Fees	$ -	$ 550,000	$ 550,000
Subtotal, Restricted City Revenues	*$ 313,570,001*	*$ 305,170,000*	*$ (8,400,001)*
Non-City			
NVTA 70%	$ 157,450,000	$ 151,050,000	$ (6,400,000)
NVTA 30%	$ 41,825,000	$ 39,550,000	$ (2,275,000)
Other State and Federal Grants	$ 38,483,977	$ 97,626,487	$ 59,142,510
Private Capital Contributions	$ 87,335,105	$ 83,188,605	$ (4,146,500)
Comcast Revenues	$ 8,910,000	$ 6,860,000	$ (2,050,000)
Subtotal, Non-City Revenues	*$ 334,004,082*	*$ 378,275,092*	*$ 44,271,010*
Total, All Revenue Sources	**$ 1,566,472,095**	**$ 1,582,625,001**	**$ 16,152,906**

*Amount would be reduced if proposed Federal TIFIA load of up to $88 million is approved by the U.S. Department of Transportation.

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

Project Categorization

The Proposed FY 2017 – 2026 CIP addresses three 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; and
- Alexandria City Public Schools capital infrastructure needs.

The Proposed FY 2017 – 2026 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 2016 – 2025 CIP.

Project Category	Total FY 2017 - 2026
Category 1 - Asset Maintenance	$ 384,366,943
Category 2 - Renovations/Existing Assets	$ 66,526,000
Category 3 - New Facilities	$ 814,477,818
Alexandria City Public Schools	$ 265,730,000
Information Technology Plan	$ 51,524,240
Total, All Categories	**$ 1,582,625,001**

Similar to FY 2016, 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 distribution of funding across the different categories and IT and ACPS is shown to the right. Categories are defined as follows:

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

Beyond basic capital maintenance issues, the Proposed FY 2017 – 2026 CIP reflects a vision for the City's future. The FY 2017 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 $814.5 million in Category 3 projects, $512.2 million (from both City and non-City sources) is for new

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

and expanded transportation and transit infrastructure projects, including construction of the Potomac Yard Metrorail Station (Strategic Plan Goal 1 – Economic Development) and the Beauregard/West End Transit Corridor (Strategic Plan Goal 3 – Transportation).

Other significant Category 3 projects include:

- Funding is included capital infrastructure improvements associated with the Waterfront Plan Implementation ($63.6 million)
- Major City Hall infrastructure improvements in FY 2020 – 2023 ($34.8 million)
- Four fire station rebuilds, and construction of one new fire station in the Beauregard Corridor (paid for primarily through development contributions) in FY 2017 – 2026 ($61.1 million)
- Chinquapin Aquatics Center improvements in FY 2017 – 2018 ($22.4 million)

Identified Capital Infrastructure Investments Not Funded

For all the projects that are funded in the CIP, there still remains a number of identified capital investments which are not funded in the plan due to the limits on resources within the available capital funding streams. Most notably, these involve the capital costs associated with federally mandated capital infrastructure improvements to sanitary sewer and storm sewer infrastructure, which are not fully funded in the Proposed FY 2017 -2026 CIP. These costs could reach $200 million - $300 million over the next two to three decades.

Additionally, while the Proposed FY 2017 -2026 CIP is only $25.5 million less than the School Board FY 2017 – 2026 CIP adopted on December 8, 2015, there is a $68.2 million difference when comparing the first five years of the plan. The table below shows the difference between the City Manager's Proposed CIP and the School Board Adopted CIP for FY 2017 – 2021 only.

Capital Improvement Program	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
City Manager Proposed FY 2017 - 2026 CIP	$ 35,935,000	$ 32,500,000	$ 31,900,000	$ 14,875,000	$ 15,000,000
School Board Approved FY 2017 - 2026 CIP	$ 44,193,550	$ 51,107,183	$ 36,450,800	$ 45,945,960	$ 20,731,294
Difference: City Proposed - School Board	$ (8,258,550)	$(18,607,183)	$ (4,550,800)	$(31,070,960)	$ (5,731,294)

Adhering to budget guidance and working with limited City resources does not allow for funding all the identified needs. A listing of all unfunded capital infrastructure requests as identified through the FY 2017 budget development process can be found Appendices of the full CIP document.

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 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 2017) 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 2017 – FY 2026

In developing the Proposed FY 2017 – 2026 CIP, there were some general guidelines followed in developing the balanced 10-year plan. These guidelines included:

- Using the City Council Approved FY 2016 – 2025 CIP as the “base” for the City Manager’s Proposed FY 2017 – 2026 CIP;
- Incorporating City Council guidance into the plan;
- Working to align projects with our City’s Strategic Plan and City Manager’s budget priorities;
- Preserving and maintaining our City’s existing physical assets;
- Addressing Washington Metropolitan Area Transportation Authority (WMATA) capital needs; and
- Keeping the self-funded proposed Potomac Yard Metrorail Station a priority capital project.

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

Development of Proposed CIP

The development of the Proposed FY 2017 – 2026 CIP began in August 2015, with the submission of project requests by departments. Projects requests encompass both new projects and already existing projects that had planned funding in Year(s) 2 – 10 of the previously approved FY 2016 – 2025 CIP. Full project submissions were due in mid-September 2015.

During the fall of 2015, 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. The Peer Technical Review Committee consists of subject matter experts from the more capital project intensive departments in the City (for example, the Department of Transportation & Environmental Services). The committee discussed submitted projects, areas of synergy among submitted projects and the available resources to fund submitted projects. The members of the Peer Technical Review Committee reported back their insights and recommendations to their department's representative on 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 2017 – 2026 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; and the Office of Planning & Zoning.

The CIP Steering Committee met throughout the fall 2015 and winter 2015/2016 to craft a balanced CIP recommendation for the City Manager and to outline major policy issues facing the CIP. The committee presented its recommendation to the City Manager in January 2016. Subsequently, the City Manager worked with OMB to finalize the project composition and funding levels recommended in the Proposed FY 2017 – 2026 CIP.

CIP Development Timeline	
AUGUST 2015	*CIP Budget Kick-Off: Departments Develop and Submit Initial Project Requests*
SEPTEMBER 2015	*Full Project Submissions Due from Departments*
OCTOBER 2015	*OMB Review of Project Submissions*
NOVEMBER 2015	*Peer Technical Review Committee and CIP Steering Committee Begin Meeting*
DECEMBER 2015	*CIP Steering Committee Develops Recommendation to City Manager*
JANUARY 2016	*CIP Steering Committee Presents Recommendation to City Manager*
FEBRUARY 2016	*City Manager Finalizes Decisions on Proposed CIP and OMB Prepares CIP Budget Document*

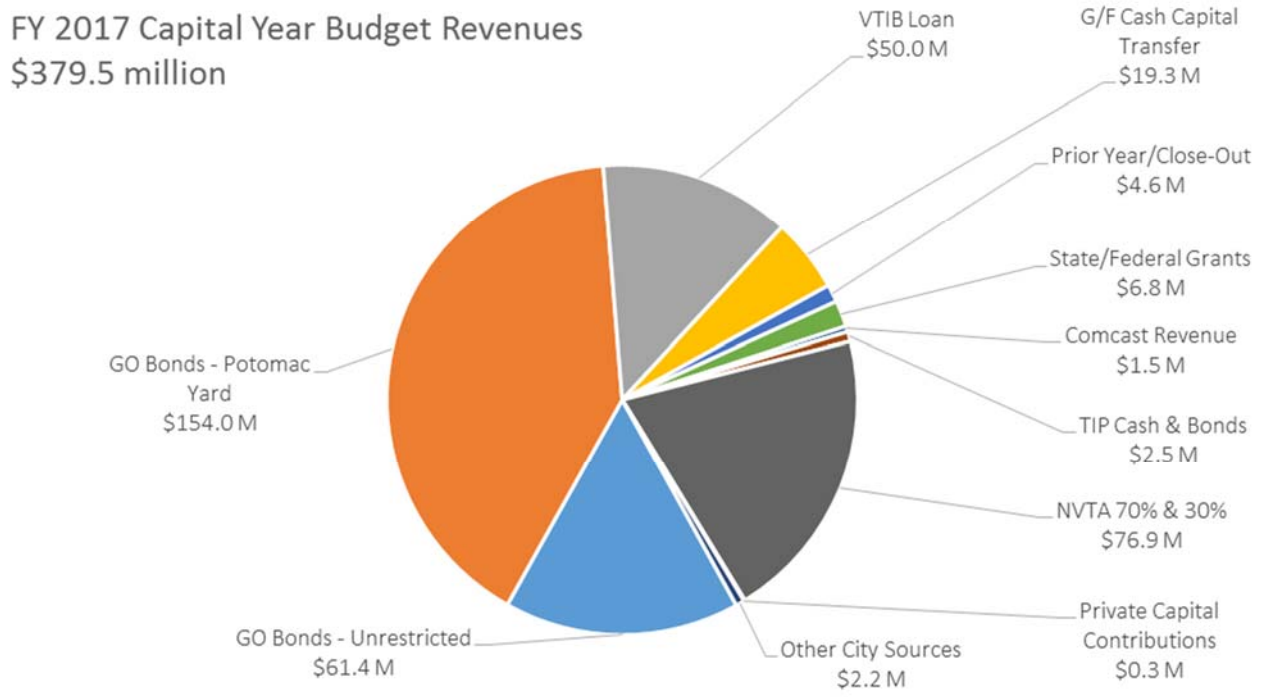
CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

FY 2017 PROPOSED CIP SOURCES AND USES

FY 2017 Capital Year Budget Revenues (Sources)

The total Proposed CIP for FY 2017 is $379.5 million; a $16.8 million decrease from FY 2017 in last year's planned CIP. **A listing of all revenues included in the FY 2017 -2026 CIP including the FY 2017 Capital Year Budget can be found on pages 67-77 of the full CIP document.**



Revenue highlights of the Proposed FY 2017 Capital Year Budget expenditures include:

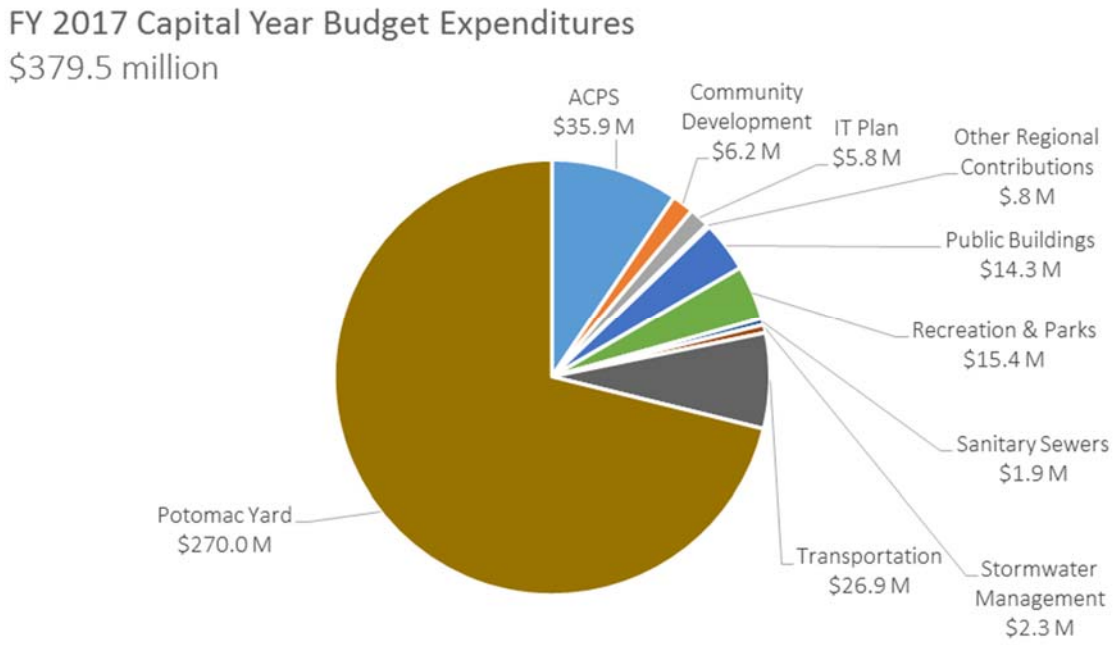
- FY 2017 revenues are split between borrowing (70.2%) and cash sources (29.8%). In municipal finance, there are no generally recognized specific mathematical benchmarks for cash capital funding. In general we consider having an overall CIP which is 25% cash capital <u>from all cash sources</u> very healthy.
- The General Fund Cash Capital Transfer amount is $17.37 million, or 2.59% 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 $13.43 million).
- Non-City revenues sources, including Comcast revenues, State/Federal grants and Northern Virginia Transportation Authority (NVTA) revenues total $135.8 million.

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

FY 2017 Capital Year Budget Expenditures (Uses)

The total Proposed CIP expenditures for FY 2017 are $379.5 million which represents a $16.9 million decrease from FY 2017 in last year's planned CIP. If the Potomac Yard Metrorail Station is excluded from the total FY 2017 CIP amount, the balance of the CIP for FY 2017 totals $109.5 million. FY 2017 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 2017 -2026 CIP including the FY 2017 Capital Year Budget can be found on pages 42-50 of the full CIP document.** The pie chart and the narrative below detail only FY 2017 Capital Year Budget highlights by CIP document section.



Project highlights of the Proposed FY 2017 Capital Year Budget expenditures include:

- **Alexandria City Public Schools ($35.9 million FY 2017 Capital Year Budget)**
  - A total of $35.9 million in ACPS projects are funded in FY 2017. ACPS requested $44.2 million, leaving a funding gap of $8.3 million (reflects non-funding of the ACPS proposed new leased Pre-K facility). The City Manager's Proposed CIP funds ACPS at $3.9 million above the planned level in last year's CIP.

- **Transportation ($26.9 million FY 2017 Capital Year Budget, $296.9 million including Potomac Yard)**
  - $9.4 million to support the WMATA Capital Improvement Program. City support for WMATA also includes the use of an additional $4.0 million in Northern Virginia Transportation Commission (NVTC funds) which are not formally appropriated by City Council.

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

- $5.3 million for Street reconstruction and resurfacing. Resurfacing of lane miles will increase from an estimated 22 miles in FY 2014, to over 55 miles in FY 2017.
- $270.0 million for funding of the Potomac Yard Metrorail Station, from NVTA 70% and VTIB Loan and GO Bonds paid for by Potomac Yard Special Tax District revenues.
- $3.9 million for Dash Bus Fleet Replacements

- **Recreation and Parks ($15.4 million FY 2017 Capital Year Budget)**
  - $4.5 million to begin construction of Chinquapin Aquatics Center
  - $2.2 million for renovations of Warwick Pool
  - $1.4 million for investments in Open Space Acquisition opportunities

- **Public Buildings ($14.3 million FY 2017 Capital Year Budget)**
  - $7.7 million for identified maintenance and repair projects, as part of the City's Capital Facilities Maintenance Programs (CFMPs)
  - $0.8 million to conduct high priority repairs at City Hall
  - $0.2 million to continue on-going assessment of City facilities

- **Information Technology Plan ($5.8 million FY 2017 Capital Year Budget)**
  - $0.4 million to continue studying and potentially implement Municipal Fiber
  - $2.0 million is budgeted to maintain the City's network, with $1.5 million of those costs offset by Comcast revenue earmarked for network infrastructure improvements.
  - $0.2 million to begin implementation of a new Customer Relationship Management system

- **Sanitary Sewers and Stormwater Management ($4.2 million FY 2017 Capital Year Budget)**
  - $0.8 million to continue work on Lake Cook Stormwater Management
  - $0.6 million to continue work at Cameron Station Pond

- **Community Development ($6.2 million FY 2017 Capital Year Budget)**
  - $2.5 million to complete the capping and dredging portion of the Oronoco Outfall Remediation project
  - $0.9 million to continue implementation of the Waterfront Small Area Plan, including funds for the Interim Fitzgerald Square project
  - $0.6 million to begin infrastructure planning and air quality analysis in the Eisenhower West/Landmark Van Dorn area

- **Other Regional Contributions ($0.8 million FY 2017 Capital Year Budget)**
  - $0.39 million in capital improvements for the Northern Virginia Regional Parks Authority (NVRPA) and $0.35 million in capital improvements at the Northern Virginia Community College (NVCC) are included in the City Manager's Proposed CIP.
  - $0.1 million for the City's final capital payment for Peumansend Creek Regional Jail

CITY OF ALEXANDRIA, VIRGINIA

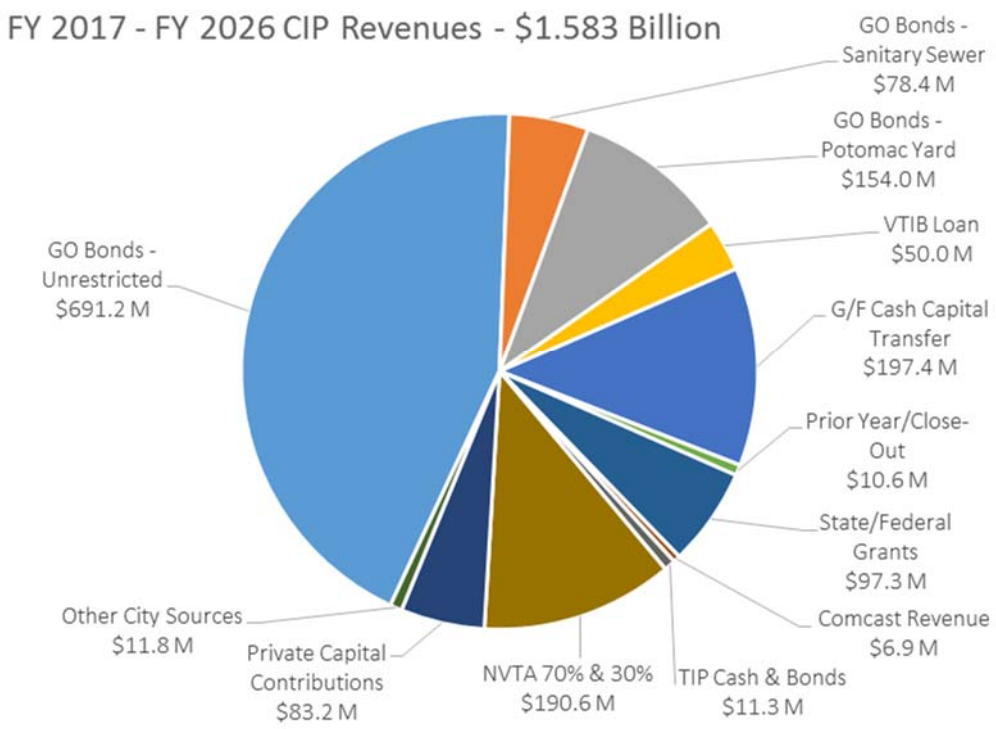
Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

FY 2017 – 2026 PROPOSED CIP SOURCES AND USES

FY 2017 – 2026 Capital Improvement Program – Ten-Year Sources and Uses Overview

The total Proposed CIP for FY 2017 – 2026 is $1.583 billion; a $16.2 million increase over last year's approved CIP. This represents 1.03% increase over last year's plan. **A listing of all funding sources included in the FY 2017 - 2026 CIP can be found on pages 67-77 of the full CIP document.** The narrative below provides only highlights of the 10-year plan revenues and expenditures.

FY 2017 – 2026 CIP Revenue (Sources) highlights include:

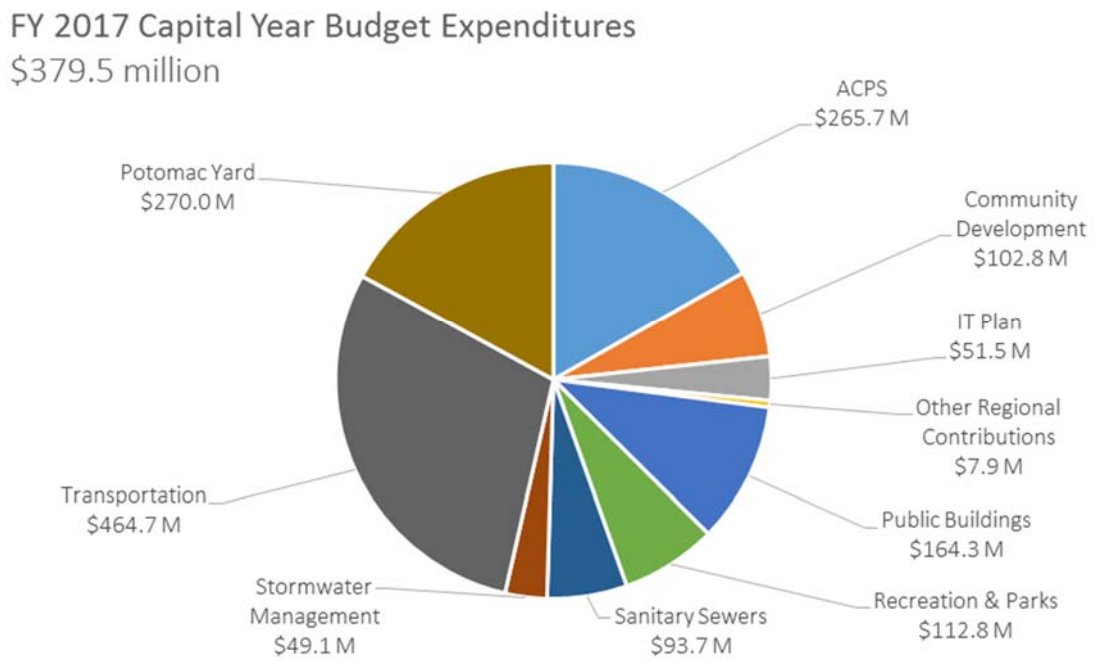


- Budgeting $50.0 million in FY 2017 for a low cost loan awarded to the City from the Virginia Transportation infrastructure Bank (VTIB) for the Potomac Yard Metrorail Station project. The proposed federal TIFIA loan of up to $88 million for the Potomac Yard Metrorail Station is not yet reflected.
- Continued use of Northern Virginia Transportation Authority (NVTA) for both regional (Potomac Yard Metrorail Station, Transit Corridor "C" – West End Transitway) and local (DASH bus replacements). A total of $190.6 million is budgeted from NVTA sources in the FY 2017 – 2026 Proposed CIP.
- The General Fund Cash Capital Transfer stays largely at the City Council approved target of 2.5% of General Fund expenditures annually. The percentage as relates to total General Fund expenditures in FY 2017 is 2.59% and is 2.5% in FY 2018 through FY 2026.
- Private development contributions supporting capital infrastructure projects throughout the City totals $83.2 million.

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

FY 2017 – 2026 CIP Project (Uses) highlights include:



- Continuation of the Potomac Yard Metrorail Station project, with $270.0 million budgeted in FY 2017 (total estimated project costs including prior year funding are $285.9 million).
- Funding for Alexandria City Public Schools total $265.7 million over the life of the 10-year plan.
- Sanitary Sewer and Stormwater funding totals $142.9 million, and begins to address long-term capital infrastructure needs related to federally mandated improvements. These improvements could total up to $400 million over the next two to three decades.
- Funding to begin implementation of the Waterfront Plan totals $63.6 million in the ten-year plan.
- WMATA capital funding totaling $110.9 million. 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 the increased costs, and also do not include a substantial investment annually made directly to WMATA from the Commonwealth of Virginia. Adoption of new Capital Funding Agreement (CFA) could significantly impact the necessary capital contribution to WMATA in future years.

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

DEBT RATIOS, CASH CAPITAL, & DEBT SERVICE

The Proposed FY 2017 – 2026 Capital Improvement Program assumes a substantial amount of borrowing ($974 million) to fund the capital infrastructure needs identified throughout this document. Included in that amount are $154.0 million in bonds for the Potomac Yard Metrorail Station backed by Potomac Yard Special Tax District Revenues, $50.0 million from a Virginia Transportation Infrastructure Bank loan for Potomac Yard (at a 2.17% interest rate) also backed by Potomac Yard Special Tax District Revenues, and $78.4 million in bonds for Sanitary Sewer projects backed by the Sewer Line Maintenance Fee and Sewer Line Connection Fees.

A total of $691.2 million in bonds are planned over the ten years for other City projects, including Alexandria City Public Schools capital infrastructure needs (borrowing comprises $229 million of future ACPS capital costs in the ten-year plan, primarily associated with school capacity and modernization projects). While the ten-year CIP includes additional borrowing, the plan also assumes the re-payment of $604.7 million in principal payments on prior year and planned bond issuances. The debt service on these bonds is paid back through the City's General Fund. Based on prior reviews by, and discussions with Moody's and Standard & Poor's bond rating agencies, this amount of debt 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.

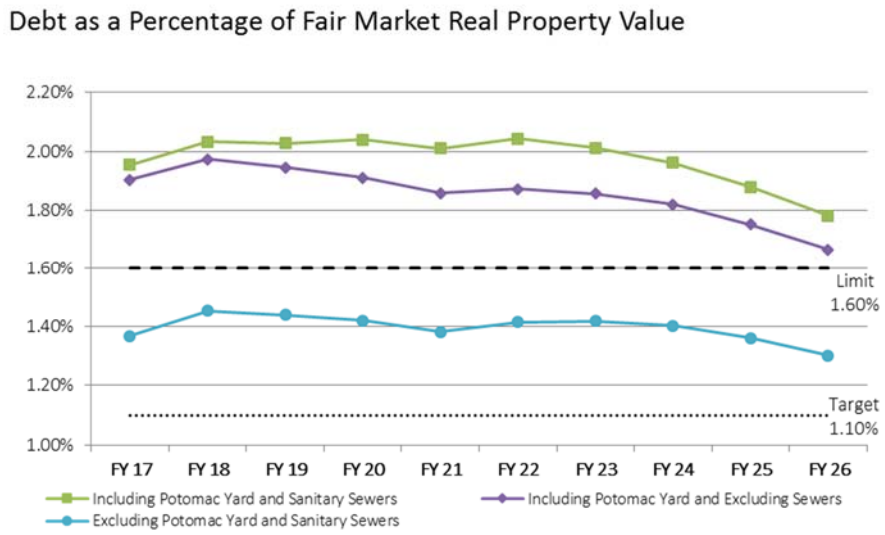
Each year of the 10-year plan stays within these limits <u>except as planned to account for Potomac Yard Metrorail Station borrowing</u> for the Debt as a Percentage of Fair Market Real Property Value and Debt Service as a Percentage of General Government Expenditure ratios. This plan does not comply with the Debt as a Percentage of Total Personal Income ratio in FY 2018 – FY 2024, due to significant revisions and changes in methodology by the Bureau of Economic Analysis for the calculation of the City's total personal income. Revisions to the debt ratios guidelines will be proposed during 2016 as a result of the projected debt issuance for the planned Potomac Yard Metrorail Station and revisions by the Federal government in total personal income data calculations.

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

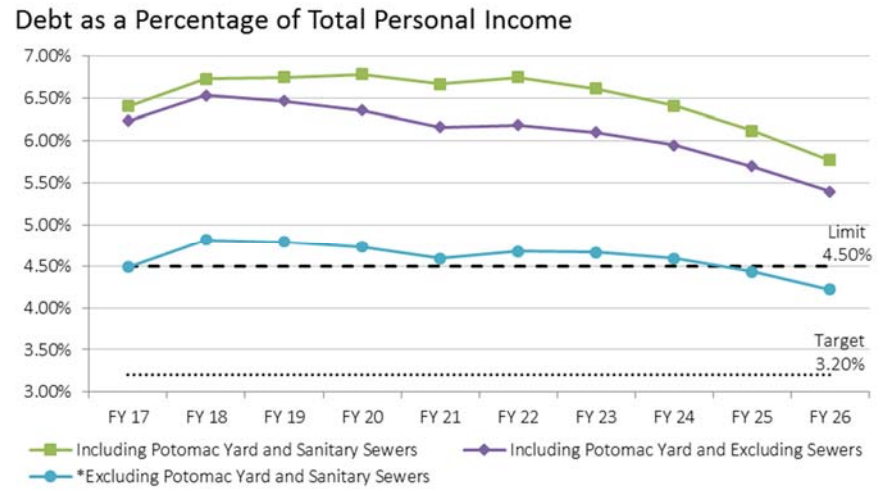
City Council Approved Debt Limits

Debt as a Percentage of Fair Market Real Property Value
Target = 1.1 percent; Limit = 1.6 percent; FY 2017 = 1.37 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 is in compliance with this debt ratio for all 10 years of the plan <u>excluding</u> Potomac Yard Metrorail Station debt.

Debt as a Percentage of Total Personal Income
Target = 3.2 percent; Limit = 4.5 percent; FY 2017 = 4.49 percent



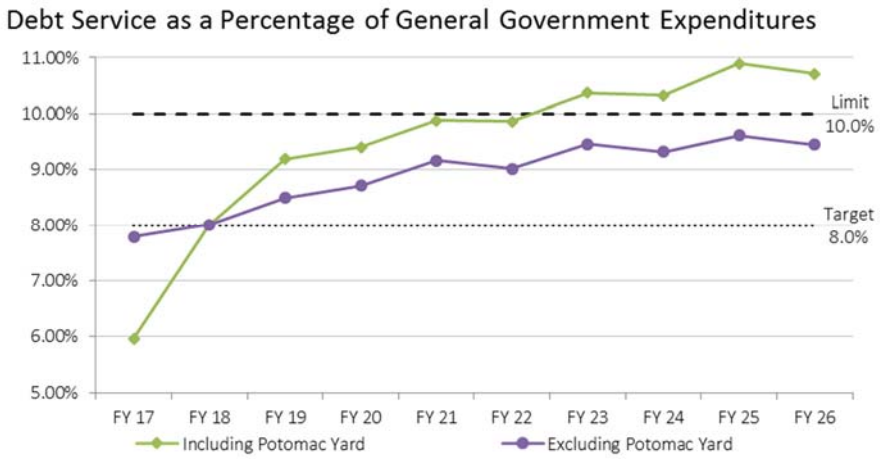
This percentage is a measure of the capacity of citizens to finance tax-supported debt. A lower percentage means that taxes required to repay debt represent a smaller portion of the average citizen's income. The City's Total Personal Income data comes from analysis conducted by the U.S. Department of Commerce's Bureau of Economic Analysis (BEA). Starting this year, there has been a significant change in the BEA's methodology for calculating total personal income, which has resulted in a reduction in Alexandria's total personal income and correspondingly increased the City debt as a percentage of total personal income. Factoring in these changes, the Proposed CIP is not in compliance for the Debt as a Percentage of Total Personal Income ratio for FY 2018 – FY 2024. The Total Personal Income ratio will need to be part of the City's discussion on revising debt ratios that will occur this year.

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

City Council Approved Debt Limits (Continued)

Debt Service as a Percentage of General Government Expenditures
Target = 8.0 percent; Limit = 10.0 percent; FY 2017 = 7.78 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 is in compliance with this debt ratio for all 10 years of the plan excluding Potomac Yard Metrorail Station debt.

CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

General Fund Cash Capital Transfer

As part of FY 2017 budget guidance, City Council provided City staff with 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 ensures that cash capital will be maintained at an acceptable 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 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. It is important to note that the General Fund Cash Capital Transfer is only a small portion of all cash sources used to finance the ten-year plan.

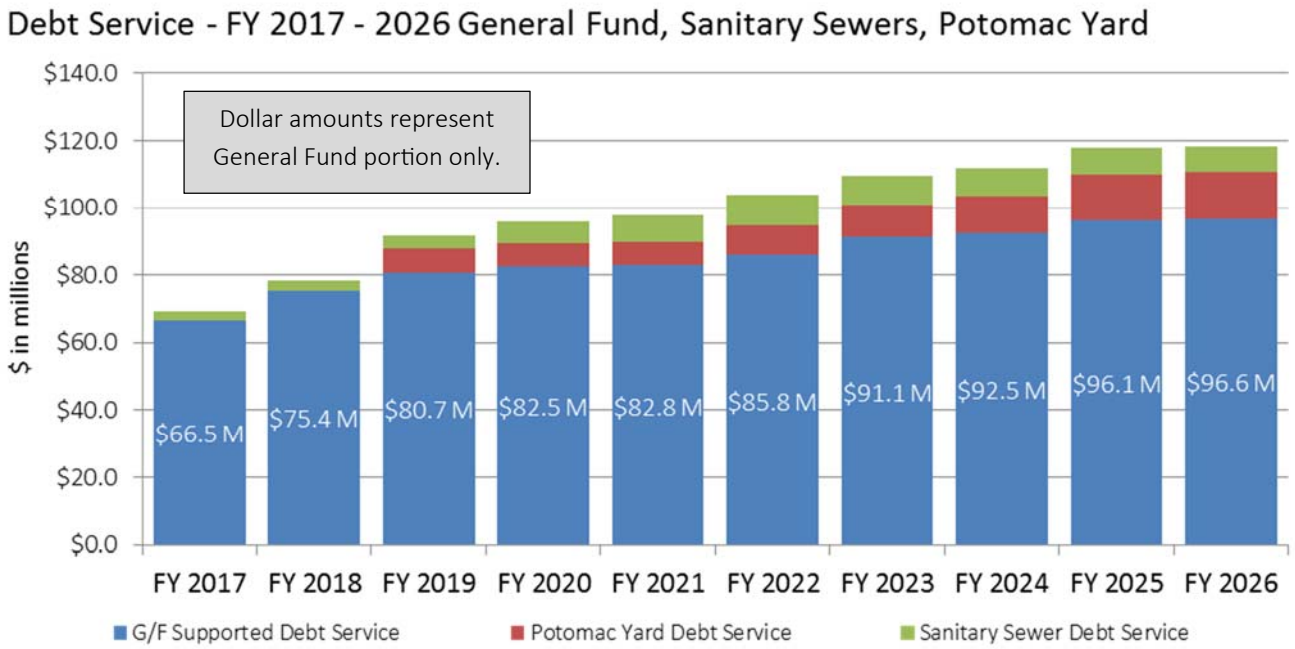
CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

Debt Service

While the City stays within the fiscally prudent self-imposed debt guidelines for General Fund supported projects which excludes borrowing for the Potomac Yard Metrorail Station, 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 affordability of the current 10-year plan must be examined in the coming fiscal years. The chart below provides details on the projected debt service payments for both existing debt (issued through FY 2016) and planned debt (FY 2017 through FY 2026).

Debt service is broken down into three categories – General Debt Service, Sanitary Sewer Debt Service, and Potomac Yard Debt Service (which includes debt service on the VTIB loan). In FY 2017, $69.1 million is budgeted for debt service payments, an increase of $5.5 million over last year's debt service payments. Of the $69.1 million total, $2.6 million will be paid from the Sanitary Sewer Fund. Potomac Yard debt service does not begin until at least FY 2019.



Debt Service ($ in millions)	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
G/F Supported Debt Service	$66.5	$75.4	$80.7	$82.5	$82.8	$85.8	$91.1	$92.5	$96.1	$96.6
Potomac Yard Debt Service	$0.0	$0.0	$7.0	$7.0	$7.0	$8.9	$9.6	$10.9	$13.8	$13.9
Sanitary Sewer Debt Service	$2.6	$3.0	$4.1	$6.4	$7.8	$9.1	$8.9	$8.5	$8.1	$7.7
Total Debt Service	**$69.1**	**$78.4**	**$91.8**	**$95.9**	**$97.6**	**$103.8**	**$109.7**	**$111.9**	**$118.0**	**$118.3**
Total/$ Change Over Prior Year	$5.5	$9.3	$13.5	$4.1	$1.8	$6.2	$5.9	$2.3	$6.0	$0.3
Total/% Change Over Prior Year	8.7%	13.4%	17.2%	4.4%	1.8%	6.3%	5.6%	2.1%	5.4%	0.3%

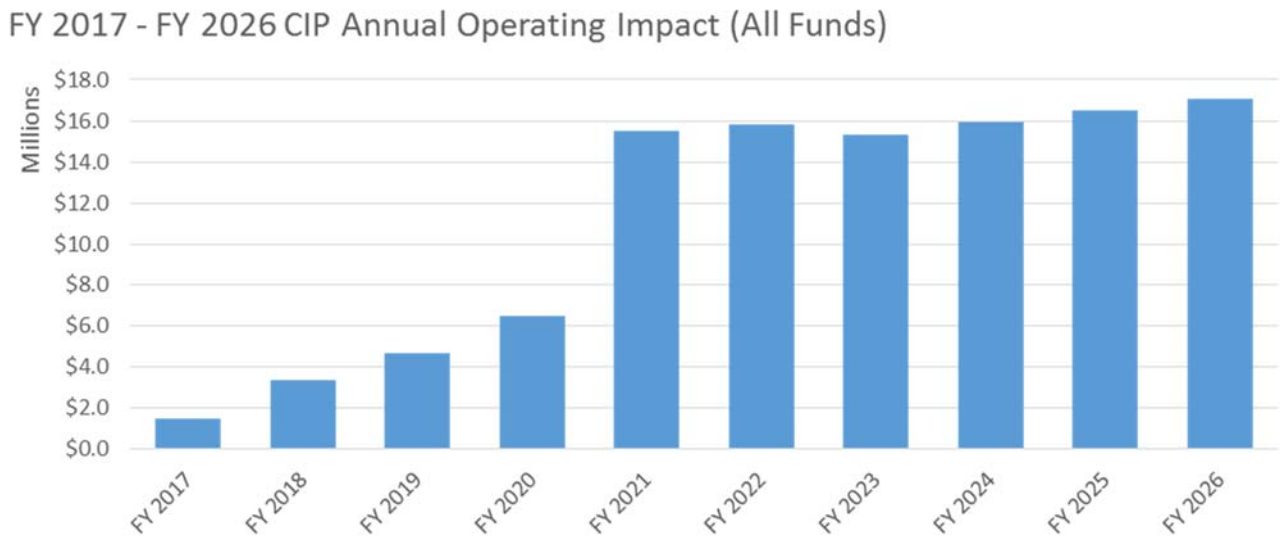
CITY OF ALEXANDRIA, VIRGINIA

Proposed FY 2017 – FY 2026 Capital Improvement Program Overview

ADDITIONAL OPERATING IMPACT

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

As part of the Proposed FY 2017 – 2026 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 $17.1 million in additional resources needed in FY 2026. **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.



STRATEGIC PLAN

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Alexandria's Strategic Planning Process

Projects within the Capital Improvement Plan (CIP) align 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 in the box entitled "City's Strategic Plan & Budget Guidance" included with each project summary. Projects are linked the most relevant Strategic Plan Goals as well as Performance Plan Focus Areas, with long-term outcomes noted. 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

In 2010, the City of Alexandria adopted a new Strategic Plan to replace the original adopted in 2004 and amended in 2006. The Strategic Plan provides a roadmap for the City's future, and includes seven goals. Each goal is intended to support the larger vision for the City and to point the way of progress toward that vision. In addition, City departments worked with staff from the Office of Performance & Accountability (OPA) to derive long-term outcomes which support the goals of the Strategic Plan. These goals, along with the associated outcomes, are incorporated into the Proposed FY 2017 – 2026 CIP development process, providing City staff the framework to allocate resources to meet the goals of the Strategic Plan.

During 2016, the existing City Strategic Plan will be updated through an extensive community participation process. It is planned that the resulting new Strategic Plan for 2017 through 2021 will be considered for adoption by City Council in the fall of 2016.

The goals of the City's Strategic Plan, along with long-term outcomes that are associated with capital projects throughout the document are included below:

GOALS:

Goal 1: Alexandria has quality development and redevelopment, support for local businesses, and a strong, diverse, and growing local economy.

Goal 2: Alexandria respects, protects and enhances the health of its citizens and the quality of its natural environment.

Goal 3: A multimodal transportation network that supports sustainable land use and provides internal mobility and regional connectivity for Alexandrians.

Goal 4: The City of Alexandria is a community that supports and enhances the well-being, success and achievement of children, youth and families.

Goal 5: Alexandria is financially sustainable, efficient, community oriented and values its employees.

Goal 6: The City protects the safety and security of its residents, businesses, employees, and visitors.

Goal 7: Alexandria is a caring and inclusive community that values its rich diversity, history and culture, and promotes affordability.

Focus Areas and Long Term Outcomes

The focus areas and their associated long term outcomes define the performance expectations for the City Government and outline the strategy to achieve the City's Strategic Plan and deliver results that the community values. It assists departments, programs, and employees in better understanding how their work contributes to achieving a shared vision for the City, and informs decision makers when determining where to best invest City resources. The plan is crucial for aligning work with the City's Strategic Plan.

The Budget Guidance is organized around Focus Areas, each with a clear, distinct mission and led by a Deputy City Manager. The four Focus Areas identify 26 Long Term Outcomes that illustrate what success looks like in the community. Long term outcomes are associated with performance measures that tell the community if the City is making progress towards the defined community vision. City departments have demonstrated how their programs and services connect to these important outcomes through logic models depicted in Department Work Plans.

The Focus Areas, along with long-term outcomes that are associated with capital projects throughout the document are included below:

Accountable, Effective, & Well-Managed Government

Accountable Government – The City government is accountable for the programs and services provided to the community

- Ensure government is accountable to the community

Effective Government – The City government pursues the City's vision effectively

- Achieve results that the community values

Well-Managed Government – The City government manages public and private resources effectively

- Ensure the fiscal strength of the City government

Healthy & Thriving Residents

Healthy Residents – All residents experience good physical, mental, social and spiritual health

- Improve City residents' overall health
- Reduce City residents' incidents of preventable diseases

Thriving Residents – All residents have meaningful and fulfilling lives

- Reduce food insecurity and homelessness among City residents
- Increase self-sufficiency and meaningful quality of life for the City's most vulnerable adults
- Eliminate abuse and neglect in the community
- Ensure the educational and developmental attainment of all residents
- Improve the quality of residents' leisure time
- Ensure all children and youth thrive and succeed

Livable, Green, and Prospering City

Livable City – The City and its neighborhoods are amenity-rich, inclusive, diverse, well-functioning, and attractive while preserving our unique history

- Promote neighborhoods that are amenity-rich
- Promote neighborhoods that are inclusive and diverse
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Green City – The City's natural and built environment is healthy

- Improve the City's air quality
- Improve the health of City waterways
- Sustain the natural quality of land within the City

Prospering City – The City has a strong local economy

- Increase the value of the real estate tax base
- Increase the economic benefits of tourism to the City
- Ensure Alexandria supports, retains, and attracts businesses
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy

Safe, Secure and Just Community

Safe and Secure Community – All community members, visitors, employees, and their property, are protected from harm

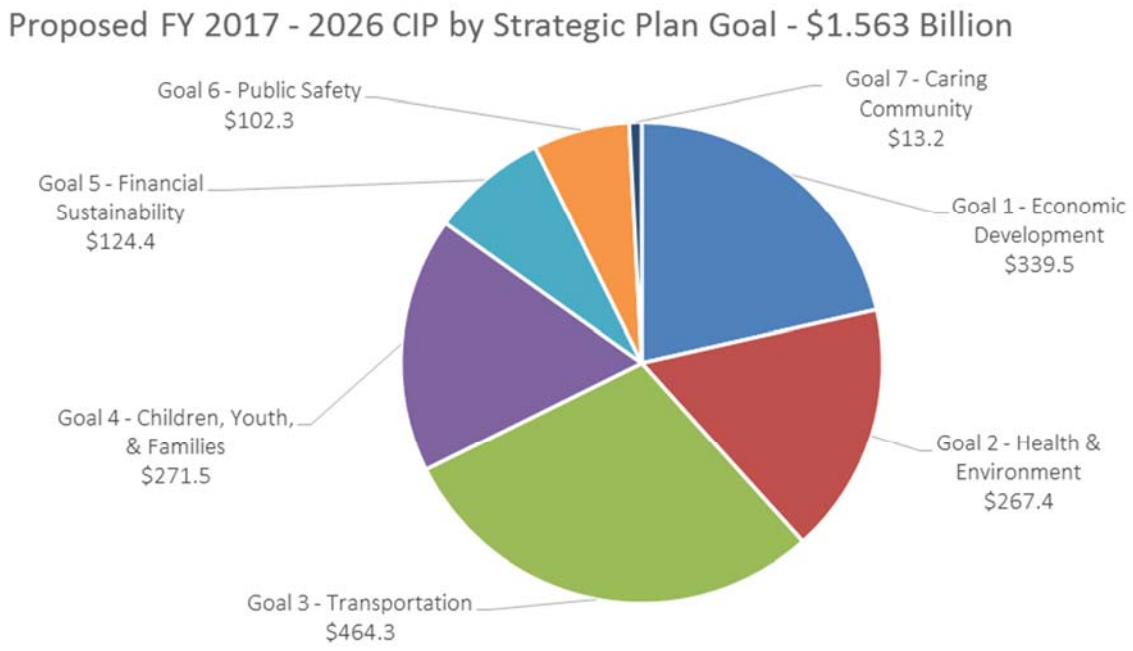
- Reduce harm to people and property from fire
- Reduce crime
- Increase survivability from medical emergencies and traumatic injuries
- Reduce harm to people or property from disasters

Just Community – All community members, visitors, and employees receive just treatment

- Ensure all community members are treated justly and protected under the law

Proposed FY 2017 – 2026 Capital Improvement Program by Strategic Plan Goal

The pie chart shows the distribution of capital projects by Strategic Plan Goal over the ten-year plan. The Proposed FY 2017 -2026 CIP totals $1.563 billion.



In reviewing the pie chart, it is important to note that while the Potomac Yard Metrorail Station appears in the Transportation – Public Transit section of the document it is most closely aligned with Strategic Plan Goal 1 – Economic Development.

All Alexandria City Public Schools (ACPS) projects are grouped in Goal 4 – Children, Youth and Families.

For the purposes of the summary of projects on the next page, a Primary Strategic Plan Goal has been identified and is grouped as such on the summary pages that follow.

Table 1
Proposed FY 2017 – 2026 Capital Improvement Program
Capital Improvement Program Projects by Strategic Plan Goal

CIP Section	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL FY 2017 - 2026
Goal 1 - Economic Development	$ 273,748,000	$ 6,405,000	$ 7,701,000	$ 3,087,000	$ 5,531,000	$ 11,430,000	$ 8,205,000	$ 1,715,000	$ 12,805,000	$ 8,865,000	$ 339,492,000
Goal 2 - Health & Environment	$ 22,539,178	$ 40,033,978	$ 27,981,978	$ 40,674,583	$ 32,170,978	$ 34,013,978	$ 15,318,978	$ 18,418,978	$ 18,178,978	$ 18,093,978	$ 267,425,585
Goal 3 - Transportation	$ 26,948,000	$ 79,054,313	$ 91,938,174	$ 71,631,000	$ 32,430,000	$ 38,055,000	$ 38,380,000	$ 43,880,000	$ 22,030,000	$ 19,930,000	$ 464,276,487
Goal 4 - Children, Youth, & Families	$ 36,444,268	$ 33,915,643	$ 32,369,500	$ 15,278,395	$ 15,426,330	$ 23,580,303	$ 37,481,315	$ 37,906,368	$ 29,423,463	$ 9,647,598	$ 271,473,183
Goal 5 - Financial Sustainability	$ 14,885,500	$ 7,799,240	$ 4,505,000	$ 14,281,000	$ 9,833,000	$ 34,724,000	$ 11,676,000	$ 12,605,000	$ 8,616,000	$ 5,520,000	$ 124,444,740
Goal 6 - Public Safety	$ 4,475,506	$ 8,905,000	$ 8,352,000	$ 18,033,000	$ 12,198,000	$ 4,400,000	$ 14,051,000	$ 7,975,000	$ 2,555,000	$ 21,400,000	$ 102,344,506
Goal 7 - Caring Community	$ 456,000	$ 962,500	$ 422,500	$ 4,401,500	$ 1,618,500	$ 1,567,500	$ 822,500	$ 1,772,500	$ 572,500	$ 572,500	$ 13,168,500
TOTAL Proposed FY 2017 - 2026 CIP	$ 379,496,452	$ 177,075,674	$ 173,270,152	$ 167,386,478	$ 109,207,808	$ 147,770,781	$ 125,934,793	$ 124,272,846	$ 94,180,941	$ 84,029,076	$ 1,582,625,001

Goal 1: Alexandria has quality development and redevelopment, support for local businesses, and a strong, diverse, and growing local economy.

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Goal 1 - Economic Development											
Community Development											
Braddock Road Area Plan - Streetscape Improvements	0	0	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	315,000
EW & LVD Implementation - Air Quality Modeling Analysis Near Metro	75,000	0	0	0	0	0	0	0	0	0	75,000
EW & LVD Implementation - Infrastructure Plan	500,000	0	0	0	0	0	0	0	0	0	500,000
Transportation Signage & Wayfinding System	400,000	515,000	361,000	432,000	241,000	0	0	0	0	0	1,949,000
Waterfront Small Area Plan Implementation (w/ Construction Funding)	975,000	5,800,000	7,250,000	2,520,000	5,200,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	63,635,000
IT Plan											
Permit Processing	0	0	0	0	0	0	0	0	0	0	0
Public Buildings											
Gadsby's Tavern Restaurant Kitchen Equipment	245,000	0	0	0	0	0	0	0	0	0	245,000
Recreation & Parks											
City Marina Maintenance	340,000	90,000	90,000	90,000	45,000	45,000	90,000	90,000	90,000	90,000	1,060,000
City Marina Utility Upgrades	1,063,000	0	0	0	0	0	0	0	0	0	1,063,000
Transportation											
Citywide Parking - Parking Study	150,000	0	0	0	0	0	0	0	0	0	150,000
EW & LVD Implementation - High Street Design/Engineering	0	0	0	0	0	0	500,000	0	0	0	500,000
Potomac Yard Metrorail Station	270,000,000	0	0	0	0	0	0	0	0	0	270,000,000
Goal 1 - Economic Development Total	273,748,000	6,405,000	7,701,000	3,087,000	5,531,000	11,430,000	8,205,000	1,715,000	12,805,000	8,865,000	339,492,000

Goal 2: Alexandria respects, protects and enhances the health of its citizens and the quality of its natural environment.

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Goal 2 - Health & Environment											
Community Development											
Environmental Restoration	0	0	150,000	0	150,000	0	150,000	0	150,000	0	600,000
Four Mile Run Stream Restoration	0	0	0	0	0	0	0	0	0	0	0
Oronoco Outfall Remediation Project	2,500,000	0	0	0	0	0	0	0	0	0	2,500,000
IT Plan											
Electronic Health Records (EHR) Replacement	300,000	0	0	0	0	0	0	0	0	0	300,000
HIPAA & Related Health Information Technologies	25,000	25,000	25,000	50,000	25,000	25,000	25,000	25,000	50,000	25,000	300,000
Other Regional Contributions											
Northern Virginia Regional Park Authority (NVRPA)	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	3,869,780
Public Buildings											
Energy Management Program	650,000	1,495,000	125,000	675,000	675,000	775,000	875,000	975,000	760,000	675,000	7,680,000
Fuel Island Renovation Design Only	600,000	TBD	TBD	0	0	0	0	0	0	0	600,000
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
Parking at 200 N Union Street	300,000	0	0	0	0	0	0	0	0	0	300,000

Goal 2: Alexandria respects, protects and enhances the health of its citizens and the quality of its natural environment. (Continued)

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Goal 2 - Health & Environment											
Recreation & Parks											
African American Heritage Park Repairs	240,000	0	0	0	0	0	0	0	0	0	240,000
Americans with Disabilities Act (ADA) Requirements	250,000	250,000	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	1,600,000
Athletic Field Improvements (incl. Synthetic Turf)	1,610,000	2,500,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,110,000
Athletic Field Restroom Renovations	370,000	350,000	0	0	0	0	0	0	0	0	720,000
Ball Court Renovations	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,500,000
Braddock Area Plan Park	0	0	0	703,605	0	0	0	0	0	0	703,605
Chinquapin Aquatics Center	4,500,000	17,850,000	0	0	0	0	0	0	0	0	22,350,000
Chinquapin Pool Skylight Replacement	0	0	0	0	0	0	0	0	0	375,000	375,000
Citywide Parks Improvements Plan	350,000	468,000	500,000	0	500,000	0	500,000	500,000	500,000	500,000	3,818,000
Colosanto Pool Demolition/Spray ground Conversion	0	0	0	0	0	450,000	0	0	0	0	450,000
Community Matching Fund	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,900,000
Ewald Pool Demolition	0	0	0	450,000	0	0	0	0	0	0	450,000
Fort Ward Management Plan Implementation	275,000	0	400,000	0	170,000	0	150,000	0	200,000	0	1,195,000
Old Town Pool Renovations	0	0	0	0	500,000	4,000,000	0	0	0	0	4,500,000
Open Space Acquisition and Develop.	1,325,000	2,075,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	19,400,000
Park Renovations CFMP	220,000	466,000	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	4,009,000
Patrick Henry Synthetic Turf Field and Outdoor Play Features	0	2,150,000	0	0	0	0	0	0	0	0	2,150,000
Playground Renovations CFMP	475,000	522,000	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	6,136,000
Potomac Yard Park Basketball Court Lights	150,000	0	0	0	0	0	0	0	0	0	150,000
Public Pools	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	520,000
Recreation Centers CFMP	675,000	725,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	7,000,000
Restaurant Depot Contribution Projects	0	0	0	0	0	0	0	0	0	0	0
Soft Surface Trails	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	1,200,000
Tree & Shrub Capital Maintenance	281,000	371,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	3,260,000
Warwick Pool Renovation	2,150,000	0	0	0	0	0	0	0	0	0	2,150,000
Water Management & Irrigation	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	1,280,000
Waterfront Parks CFMP	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Sanitary Sewers											
AlexRenew Wastewater Treatment Plant Capacity	0	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	34,220,000
Citywide Sewershed Infiltration & Inflow	0	3,000,000	2,375,000	3,075,000	2,850,000	4,000,000	0	0	0	0	15,300,000
Combined Sewer Overflow 001 Planning	0	0	0	0	0	0	0	0	0	0	0
Combined Sewer Separation Projects	700,000	300,000	200,000	200,000	600,000	200,000	200,000	600,000	200,000	200,000	3,400,000
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
Sewer Assessment & Rehabilitation	0	0	3,700,000	2,550,000	2,550,000	0	0	0	0	0	8,800,000
Wet Weather Management Facility	0	2,250,000	8,750,000	9,000,000	0	0	0	0	0	0	20,000,000

Goal 2: Alexandria respects, protects and enhances the health of its citizens and the quality of its natural environment. (Continued)

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Goal 2 - Health & Environment											
Stormwater Management											
Cameron Station Pond Retrofit	625,000	625,000	0	0	0	0	0	0	0	0	1,250,000
City Facilities Stormwater Best Management Practices (BMPs)	0	500,000	1,133,000	0	0	0	0	0	0	0	1,633,000
Four Mile Run Channel Maintenance	0	600,000	0	0	0	0	600,000	0	0	0	1,200,000
Ft. Ward Stormwater	0	0	0	0	0	0	0	0	0	0	0
Green Infrastructure in CSO Areas	0	0	0	0	0	0	0	0	0	0	0
Lake Cook Stormwater Management	812,000	0	0	0	0	0	0	0	0	0	812,000
MS4-TMDL Compliance Water Quality Imprv.	0	0	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	34,500,000
NPDES / MS4 Permit	0	0	0	0	0	0	0	0	0	0	0
Storm Sewer Capacity Assessment	0	0	0	475,000	475,000	0	0	0	0	0	950,000
Storm Sewer System Spot Improvements	0	151,474	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,551,474
Stormwater Utility Study (Capitalized Position FY 17-18)	144,200	148,526	0	0	0	0	0	0	0	0	292,726
Stream & Channel Maintenance	750,000	850,000	1,200,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	5,950,000
Goal 2 - Health & Environment Total	22,539,178	40,033,978	27,981,978	40,674,583	32,170,978	34,013,978	15,318,978	18,418,978	18,178,978	18,093,978	267,425,585

Goal 3: A multimodal transportation network that supports sustainable land use and provides internal mobility and regional connectivity for Alexandrians.

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Goal 3 - Transportation											
Recreation & Parks											
Four Mile Run Park Wetlands Connector Bridge	200,000	0	0	0	0	0	0	0	0	0	200,000
Transportation											
Backlick Run Multi-Use Paths	0	0	200,000	1,918,000	0	0	0	0	0	0	2,118,000
Bicycle Parking at Metro Stations	350,000	0	0	0	0	0	0	0	0	0	350,000
BRAC 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	700,000	300,000	700,000	300,000	700,000	5,000,000
Bus Shelters and Benches	0	270,000	0	0	600,000	0	0	0	0	0	870,000
Cameron & Prince Bicycle & Pedestrian Facilities	0	0	0	0	0	0	0	0	0	0	0
Capital Bikeshare	675,000	699,313	368,174	402,000	350,000	0	0	0	0	0	2,494,487
City Standard Construction Specifications	0	0	0	0	0	0	0	0	0	0	0
Citywide Parking - Parking Technologies	0	110,000	200,000	0	400,000	0	0	0	0	0	710,000
Citywide Trans. Mgmt. Tech. - Broadband TSA Communications Link	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	1,918,000	7,000,000	0	0	0	0	0	0	0	0	8,918,000
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	0	900,000
Citywide Trans. Mgmt. Tech. - Transportation Technologies	175,000	250,000	250,000	0	0	0	0	250,000	0	0	925,000
Complete Streets	830,000	830,000	1,170,000	830,000	830,000	830,000	830,000	830,000	830,000	830,000	8,640,000
DASH Bus Fleet Replacements	3,900,000	3,900,000	4,050,000	4,050,000	2,800,000	3,375,000	2,100,000	2,800,000	2,100,000	0	29,075,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	150,000	250,000	300,000	350,000	350,000	400,000	500,000	550,000	450,000	450,000	3,750,000
DASH NEPP Implementation	0	0	0	450,000	750,000	0	0	0	0	0	1,200,000
DASH Real Time Bus Information System	0	0	0	0	0	0	0	0	0	0	0
East Glebe & Route 1	0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
Edsall and South Pickett Pedestrian Imprv.	0	0	0	0	0	0	0	0	0	0	0
Eisenhower Avenue Roadway Improvements	0	0	0	0	0	0	0	0	0	0	0
Fixed Transportation Equipment	850,000	1,450,000	850,000	850,000	850,000	850,000	2,350,000	850,000	850,000	850,000	10,600,000
Holmes Run Greenway	0	0	0	0	0	0	0	0	0	0	0

Goal 3: A multimodal transportation network that supports sustainable land use and provides internal mobility and regional connectivity for Alexandrians. (Continued)

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Goal 3 - Transportation											
Transportation											
King & Beauregard Intersection Improvements	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	0	0	0	0	0	0	0	0	0	0	0
King/Quaker Lane/Braddock Rd. Intersection	0	0	0	0	0	0	0	0	0	0	0
Landmark Transit Station	0	0	0	0	0	0	600,000	5,400,000	0	0	6,000,000
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	0	2,095,000	6,000,000	0	0	0	0	0	0	0	8,095,000
Route 1 @ E. Reed Intersection Improvements	0	0	0	0	0	0	0	0	0	0	0
Route 1 Transitway - Metroway Construction	0	0	500,000	0	0	0	0	0	0	0	500,000
Route 1 Transitway (NEPP)	0	0	500,000	500,000	500,000	0	0	0	0	0	1,500,000
Safe Routes to Schools	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	300,000	1,500,000
Sidewalk Capital Maintenance	950,000	300,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	0	4,550,000
South Eisenhower Metrorail Station - South Entrance	0	0	0	0	0	0	0	0	0	0	0
Street Reconstruction & Resurfacing of Major Roads	5,300,000	5,300,000	5,500,000	5,500,000	5,500,000	5,500,000	5,000,000	5,300,000	5,300,000	5,300,000	53,500,000
Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	0	0	0	210,000	0	2,100,000	2,000,000	15,000,000	0	0	19,310,000
Transit Corridor "C" - West End Transitway	7,000,000	40,000,000	40,000,000	23,400,000	2,600,000	12,100,000	12,500,000	0	0	0	137,600,000
Transportation Master Plan Update	0	500,000	0	0	0	0	0	0	0	0	500,000
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	0	200,000	300,000	0	0	0	0	0	0	0	500,000
Van Dorn Metrorail Station Area Imprv.	1,500,000	800,000	0	0	0	0	0	0	0	0	2,300,000
Van Dorn/Beauregard Bicycle Facilities	0	0	250,000	1,171,000	0	0	0	0	0	0	1,421,000
WMATA Capital Contributions	1,750,000	7,500,000	14,300,000	13,900,000	15,900,000	11,500,000	11,500,000	11,500,000	11,500,000	11,500,000	110,850,000
Transit Corridor "C" - Transit Priority	0	0	0	0	0	0	0	0	0	0	0
Citywide Transportation Management System (SCOOT/Tdi)	0	0	0	0	0	0	0	0	0	0	0
Wilkes Street Bikeway	0	0	0	0	0	0	0	0	0	0	0
Pedestrian & Bicycle Master Plan Update	0	0	0	0	0	0	0	0	0	0	0
Goal 3 - Transportation Total	26,948,000	79,054,313	91,938,174	71,631,000	32,430,000	38,055,000	38,380,000	43,880,000	22,030,000	19,930,000	464,276,487

Goal 4: The City of Alexandria is a community that supports and enhances the well-being, success and achievement of children, youth and families.

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Goal 4 - Children, Youth, & Families											
ACPS											
ACPS Total Funding	35,935,000	32,500,000	31,900,000	14,875,000	15,000,000	22,900,000	37,000,000	37,400,000	29,000,000	9,220,000	265,730,000
IT Plan											
Recreation Database System	0	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
Other Regional Contributions											
Northern Virginia Community College (NVCC)	349,268	385,643	389,500	393,395	397,330	401,303	405,315	409,368	413,463	417,598	3,962,183
Public Buildings											
Alexandria Library Security Enhancements	0	0	70,000	0	0	0	0	0	0	0	70,000
Beatley Building Envelope Restoration	150,000	1,020,000	0	0	0	0	0	0	0	0	1,170,000
Ellen Coolidge Burke Facility Space Planning	0	0	0	0	0	0	0	0	0	0	0
Library CFMP	10,000	0	0	0	19,000	269,000	66,000	87,000	0	0	451,000
Recreation & Parks											
Patrick Henry Recreation Center	0	TBD	0	0	0	0	0	0	0	0	TBD
Goal 4 - Children, Youth, & Families Total	36,444,268	33,915,643	32,369,500	15,278,395	15,426,330	23,580,303	37,481,315	37,906,368	29,423,463	9,647,598	271,473,183

Goal 5: Alexandria is financially sustainable, efficient, community oriented and values its employees.

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Goal 5 - Financial Sustainability											
Community Development											
Citywide Street Lighting	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
Gadsby Lighting Fixtures & Poles Replacement	0	0	75,000	0	75,000	0	75,000	0	75,000	0	300,000
IT Plan											
AJIS Enhancements	80,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	620,000
AlexStat Software	0	0	0	0	0	0	0	0	0	0	0
Application Portfolio Management	0	0	0	100,000	0	0	0	0	0	0	100,000
Business Tax System/Reciprocity Contractor System	0	0	40,000	375,000	0	0	0	0	0	0	415,000
Connectivity Initiatives	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,500,000
Customer Relationship Management System	200,000	550,000	0	0	0	0	0	0	0	0	750,000
Data Center Relocation	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	40,000	40,000	40,000	400,000
Document Imaging	0	0	0	0	0	0	0	0	0	0	0
Electronic Government/Web Page	285,000	100,000	50,000	50,000	50,000	150,000	50,000	50,000	50,000	150,000	985,000
Employee Pension Administration System	0	300,000	50,000	0	0	0	175,000	25,000	0	0	550,000
Enterprise Camera System	50,000	0	0	0	0	0	0	0	0	0	50,000
Enterprise Collaboration	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Enterprise Data Storage Infrastructure	400,000	400,000	200,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Enterprise Maintenance Mgmt System	130,000	100,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	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
Enterprise Service Catalog	100,000	0	0	0	0	0	0	0	0	0	100,000
GIS Development	80,000	100,000	0	100,000	50,000	200,000	0	0	0	0	530,000
Information Technology Equipment Replacement	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	3,600,000
Information Technology Lump Sum Funding	0	0	0	250,000	3,395,000	3,265,000	3,687,000	3,155,000	3,130,000	3,200,000	20,082,000
IT Enterprise Management System	0	0	0	0	0	0	0	0	0	0	0
LAN Development	0	50,000	50,000	0	0	0	0	0	0	0	100,000
LAN/WAN Infrastructure	390,000	360,000	360,000	260,000	0	0	0	0	0	0	1,370,000

Goal 5: Alexandria is financially sustainable, efficient, community oriented and values its employees. (Continued)

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Goal 5 - Financial Sustainability											
IT Plan											
Library Information Technology Equipment Replacement	80,000	0	0	0	0	0	0	0	0	0	80,000
Library Public Access Computers and Print Mgmt System	45,000	0	0	0	0	85,000	0	0	0	0	130,000
Migration of Integrated Library System to SAAS Platform	27,000	30,240	0	0	0	0	0	0	0	0	57,240
Municipal Fiber	400,000	TBD	0	0	0	0	0	0	0	0	400,000
Network Security	400,000	225,000	225,000	225,000	0	0	0	0	0	0	1,075,000
Network Server Infrastructure	400,000	175,000	175,000	500,000	0	0	0	0	0	0	1,250,000
Personal Property Tax System	0	40,000	460,000	0	0	0	0	60,000	280,000	0	840,000
Phone, Web, Portable Device Payment Portals	240,000	0	0	200,000	0	0	0	0	160,000	0	600,000
Project Management Software	0	0	0	0	0	0	0	0	0	0	0
Real Estate Account Receivable System	60,000	0	0	0	0	0	0	0	0	800,000	860,000
Real Estate Assessment System (CAMA)	0	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	970,000
Remote Access	150,000	150,000	150,000	150,000	75,000	75,000	0	0	0	0	750,000
Security Cameras for TES facilities	0	0	0	0	0	60,000	0	0	0	0	60,000
Upgrade Work Station Operating Systems	280,000	300,000	300,000	200,000	0	0	0	0	0	0	1,080,000
Voice Over Internet Protocol (VoIP)	150,000	350,000	150,000	150,000	0	0	0	0	0	0	800,000
Public Buildings											
Capital Planning & Building Assessment (Condition Assessment)	200,000	95,000	450,000	300,000	0	100,000	100,000	100,000	0	0	1,345,000
City Hall HVAC & Infrastructure Replacement	750,000	500,000	500,000	4,425,000	500,000	27,350,000	2,500,000	0	0	0	36,525,000
Courthouse Renovations - HVAC and CFMP	87,000	736,000	0	2,580,000	0	0	0	2,063,000	3,551,000	0	9,017,000
Deduction Meter Implementation	97,500	0	0	0	0	0	0	0	0	0	97,500
Fleet Fuel and Performance Data Management System	0	200,000	0	0	0	0	0	0	0	0	200,000
General Services CFMP	200,000	200,000	200,000	356,000	570,000	548,000	219,000	407,000	0	0	2,700,000
Health Department CFMP	6,414,000	651,000	0	2,254,000	0	1,449,000	0	5,375,000	0	0	16,143,000
Health Dept Garage Concrete Deck & Parking Restoration	360,000	0	0	0	0	0	0	0	0	0	360,000
Market Square Plaza and Garage Structural Repairs	550,000	0	0	0	3,000,000	0	3,500,000	0	0	0	7,050,000
Old Town Parking Garage Ticketing Modernization	0	0	0	0	0	0	0	0	0	0	0
Roof Replacement Program	1,110,000	72,000	0	536,000	748,000	72,000	0	0	0	0	2,538,000
Municipal Facilities Planning Project	250,000	0	0	0	0	0	0	0	0	0	250,000
Recreation & Parks											
Park Maintenance Facilities	30,000	250,000	0	0	0	0	0	0	0	0	280,000
Goal 5 - Financial Sustainability Total	14,885,500	7,799,240	4,505,000	14,281,000	9,833,000	34,724,000	11,676,000	12,605,000	8,616,000	5,520,000	124,444,740

Goal 6: The City protects the safety and security of its residents, businesses, employees, and visitors.

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Goal 6 - Public Safety											
Community Development											
Fire Department SCBA Replacement	0	0	0	0	0	0	0	0	0	3,500,000	3,500,000
Fire Department Vehicles & Apparatus	1,378,000	874,000	2,852,000	3,446,000	2,009,000	2,583,000	2,500,000	4,000,000	2,000,000	2,500,000	24,142,000
Police Body-Worn Cameras (BWC's)	0	TBD	TBD	0	0	0	0	0	0	0	0
IT Plan											
Computer Aided Dispatch (CAD) System Replacement	635,000	315,000	900,000	250,000	0	0	0	0	0	0	2,100,000
EMS Records Management System	0	0	0	0	425,000	0	0	0	0	0	425,000
Other Regional Contributions											
Peumansend Creek Regional Jail	98,506	0	0	0	0	0	0	0	0	0	98,506
Public Buildings											
Animal Shelter Exterior Dog Kennels	258,000	0	0	0	0	0	0	0	0	0	258,000
Emergency Generators	0	76,000	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	1,691,000
EOC/Public Safety Center Reuse	0	0	0	0	0	0	0	0	0	0	0
Fire & Rescue CFMP	200,000	240,000	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,940,000
Fire Station 203 (Cameron Mills)	0	6,900,000	0	0	0	0	0	0	0	0	6,900,000
Fire Station 205 (Cameron Street)	0	250,000	3,150,000	7,873,000	0	0	0	0	0	0	11,273,000
Fire Station 206 (Seminary Rd)	0	0	0	0	720,000	0	10,808,000	0	0	0	11,528,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	0	3,500,000	0	14,700,000	18,200,000
Fire Station 211 (Beauregard)	0	0	1,100,000	5,000,000	7,100,000	0	0	0	0	0	13,200,000
New Burn Building	0	0	0	0	250,000	1,140,000	0	0	0	0	1,390,000
Office of the Sheriff CFMP	556,000	0	0	485,000	843,000	0	0	0	0	0	1,884,000
Pistol Range	1,100,000	0	0	0	0	0	0	0	0	0	1,100,000
Police K-9 Facility Renovation	0	0	0	0	0	0	0	0	0	0	0
Vola Lawson Animal Shelter	0	0	0	128,000	0	87,000	0	0	0	0	215,000
Recreation & Parks											
Major Asphalt Resurfacing in Parks	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Recreation Facilities Security Review	0	0	0	0	0	0	0	0	0	0	0
Windmill Hill Park Improvements	0	0	0	0	0	0	0	0	0	0	0
Goal 6 - Public Safety Total	4,475,506	8,905,000	8,352,000	18,033,000	12,198,000	4,400,000	14,051,000	7,975,000	2,555,000	21,400,000	102,344,506

Goal 7: Alexandria is a caring and inclusive community that values its rich diversity, history and culture, and promotes affordability.

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Goal 7 - Caring Community											
Community Development											
Public Art Acquisition	330,000	380,000	400,000	450,000	500,000	550,000	550,000	550,000	550,000	550,000	4,810,000
Public Art Conservation Program	15,000	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	217,500
IT Plan											
Replacement of City Voting Equipment	0	0	0	895,000	0	0	0	0	0	0	895,000
Public Buildings											
City Historic Facilities CFMP	111,000	310,000	0	3,034,000	1,096,000	995,000	0	0	0	0	5,546,000
Gadsy's Tavern Elevator Design and Construction	0	0	0	0	0	0	250,000	1,200,000	0	0	1,450,000
Torpedo Factory Space Programming Study	0	250,000	TBD	TBD	0	0	0	0	0	0	250,000
Goal 7 - Caring Community Total	456,000	962,500	422,500	4,401,500	1,618,500	1,567,500	822,500	1,772,500	572,500	572,500	13,168,500
Total	379,496,452	177,075,674	173,270,152	167,386,478	109,207,808	147,770,781	125,934,793	124,272,846	94,180,941	84,029,076	1,582,625,001

SUMMARY EXPENDITURE TABLES

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Table 1
Proposed FY 2017 - 2026 Capital Improvement Program
Total Sources and Uses of Capital Improvement Program Funds

Source of Funds	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL FY 2017 - 2026
All City Cash Sources (Cash Capital)											
General Fund Planned Appropriations (Transfer from General Fund)	$ 17,277,504	$ 17,156,450	$ 17,672,978	$ 18,197,873	$ 18,747,808	$ 19,303,781	$ 19,890,793	$ 20,484,846	$ 21,101,941	$ 21,735,076	$ 191,569,050
Prior Year CIP/Projects Closed-Out/Available Balances	$ 4,575,000	$ 1,500,000	$ 1,000,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 10,575,000
General Obligation Bond Interest Earnings	$ 200,000	$ 200,000	$ 200,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 2,350,000
Sale of Property Revenue	$ 1,614,711	$ 1,390,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,004,711
Other Base City Sources	$ 216,437	$ 216,437	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 432,874
Subtotal, All Unrestricted City Cash Sources	*$ 23,883,652*	*$ 20,462,887*	*$ 18,872,978*	*$ 18,947,873*	*$ 19,497,808*	*$ 20,053,781*	*$ 20,640,793*	*$ 21,234,846*	*$ 21,851,941*	*$ 22,485,076*	*$ 207,931,635*
Unrestricted Borrowing Sources											
*General Obligation Bonds (Excl. Sewers/TIP/Potomac Yard)	$ 61,439,800	$ 79,873,474	$ 65,639,000	$ 64,464,000	$ 56,110,000	$ 89,817,000	$ 81,669,000	$ 73,363,000	$ 64,129,000	$ 54,744,000	$ 691,248,274
Subtotal, All Unrestricted City Sources	*$ 85,323,452*	*$ 100,336,361*	*$ 84,511,978*	*$ 83,411,873*	*$ 75,607,808*	*$ 109,870,781*	*$ 102,309,793*	*$ 94,597,846*	*$ 85,980,941*	*$ 77,229,076*	*$ 899,179,909*
Restricted City Sources											
Sanitary Sewer Fees	$ 1,900,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 10,900,000
General Obligation Bonds - Sanitary Sewers	$ -	$ 5,750,000	$ 13,375,000	$ 24,820,000	$ 16,325,000	$ 16,150,000	$ 400,000	$ 800,000	$ 400,000	$ 400,000	$ 78,420,000
Cash Capital - Transportation Improvement Program	$ 1,425,000	$ 1,200,000	$ 1,300,000	$ 500,000	$ 1,100,000	$ 250,000	$ 1,200,000	$ 1,250,000	$ 1,000,000	$ 1,000,000	$ 10,225,000
Reprogrammed Transportation Improvement Program Balances	$ 1,075,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,075,000
General Obligation Bonds - Potomac Yard Metrorail Station	$ 154,000,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 154,000,000
Pension Administrative Fees	$ -	$ 300,000	$ 50,000	$ -	$ -	$ -	$ 175,000	$ 25,000	$ -	$ -	$ 550,000
Subtotal, Restricted City Sources	*$ 158,400,000*	*$ 8,250,000*	*$ 15,725,000*	*$ 26,320,000*	*$ 18,425,000*	*$ 17,400,000*	*$ 2,775,000*	*$ 3,075,000*	*$ 2,400,000*	*$ 2,400,000*	*$ 255,170,000*
Non-City Sources											
Comcast Revenues	$ 1,475,000	$ 1,335,000	$ 675,000	$ 675,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 6,860,000
Virginia Transportation Infrastructure Bank (VTIB) Loan	$ 50,000,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 50,000,000
State/Federal Grants	$ 1,675,000	$ 29,794,313	$ 26,618,174	$ 12,233,000	$ 350,000	$ -	$ -	$ -	$ -	$ -	$ 70,670,487
Private Capital Contributions	$ 125,000	$ 2,600,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 3,525,000
Developer Contributions (Includes Prior Year Balances)	$ 180,000	$ 6,580,000	$ 17,850,000	$ 22,453,605	$ 7,750,000	$ 12,150,000	$ 12,550,000	$ 50,000	$ 50,000	$ 50,000	$ 79,663,605
Prior Year State DCHS Money	$ 300,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 300,000
NVTA 70%	$ 73,000,000	$ 20,000,000	$ 20,000,000	$ 12,950,000	$ -	$ 2,100,000	$ 2,600,000	$ 20,400,000	$ -	$ -	$ 151,050,000
NVTA 30%	$ 3,900,000	$ 5,000,000	$ 5,050,000	$ 4,875,000	$ 2,775,000	$ 4,200,000	$ 3,650,000	$ 4,100,000	$ 3,700,000	$ 2,300,000	$ 39,550,000
CMAQ/RSTP	$ 2,693,000	$ 1,680,000	$ 1,240,000	$ 2,868,000	$ 2,250,000	$ -	$ -	$ -	$ -	$ -	$ 10,731,000
State Revenue Sharing	$ 2,425,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 15,925,000
Subtotal, Non-City Sources	*$ 135,773,000*	*$ 68,489,313*	*$ 73,033,174*	*$ 57,654,605*	*$ 15,175,000*	*$ 20,500,000*	*$ 20,850,000*	*$ 26,600,000*	*$ 5,800,000*	*$ 4,400,000*	*$ 428,275,092*
Total, All Sources	$ 379,496,452	$ 177,075,674	$ 173,270,152	$ 167,386,478	$ 109,207,808	$ 147,770,781	$ 125,934,793	$ 124,272,846	$ 94,180,941	$ 84,029,076	$ 1,582,625,001

All Uses (CIP Document Section)	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL FY 2017 - 2026
Schools	$ 35,935,000	$ 32,500,000	$ 31,900,000	$ 14,875,000	$ 15,000,000	$ 22,900,000	$ 37,000,000	$ 37,400,000	$ 29,000,000	$ 9,220,000	$ 265,730,000
Community Development	$ 6,173,000	$ 7,616,500	$ 11,135,500	$ 6,940,500	$ 8,267,500	$ 14,565,500	$ 10,937,500	$ 6,222,500	$ 15,537,500	$ 15,372,500	$ 102,768,500
IT Plan	$ 5,797,000	$ 5,420,240	$ 4,190,000	$ 5,010,000	$ 5,375,000	$ 5,215,000	$ 5,292,000	$ 4,670,000	$ 5,025,000	$ 5,530,000	$ 51,524,240
Other Regional Contributions	$ 834,752	$ 772,621	$ 776,478	$ 780,373	$ 784,308	$ 788,281	$ 792,293	$ 796,346	$ 800,441	$ 804,576	$ 7,930,469
Public Buildings	$ 14,273,500	$ 13,070,000	$ 5,770,000	$ 28,322,000	$ 16,197,000	$ 33,200,000	$ 18,886,000	$ 14,007,000	$ 4,691,000	$ 15,900,000	$ 164,316,500
Recreation & Parks	$ 15,354,000	$ 29,017,000	$ 8,202,000	$ 8,507,605	$ 8,329,000	$ 11,647,000	$ 7,897,000	$ 7,747,000	$ 7,947,000	$ 8,122,000	$ 112,769,605
Sanitary Sewers	$ 1,900,000	$ 6,750,000	$ 16,225,000	$ 27,095,000	$ 18,600,000	$ 17,150,000	$ 1,400,000	$ 1,800,000	$ 1,400,000	$ 1,400,000	$ 93,720,000
Stormwater Management	$ 2,331,200	$ 2,875,000	$ 3,133,000	$ 4,225,000	$ 4,225,000	$ 4,250,000	$ 4,850,000	$ 7,750,000	$ 7,750,000	$ 7,750,000	$ 49,139,200
Transportation	$ 296,898,000	$ 79,054,313	$ 91,938,174	$ 71,631,000	$ 32,430,000	$ 38,055,000	$ 38,880,000	$ 43,880,000	$ 22,030,000	$ 19,930,000	$ 734,726,487
Grand Total	$ 379,496,452	$ 177,075,674	$ 173,270,152	$ 167,386,478	$ 109,207,808	$ 147,770,781	$ 125,934,793	$ 124,272,846	$ 94,180,941	$ 84,029,076	$ 1,582,625,001

% FROM BONDS	70.2%	48.4%	45.6%	53.3%	66.3%	71.7%	65.2%	59.7%	68.5%	65.6%	61.6%
% FROM CITY AND OTHER CASH SOURCES	29.8%	51.6%	54.4%	46.7%	33.7%	28.3%	34.8%	40.3%	31.5%	34.4%	38.4%

Table 2
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Capital Improvement Program Expenditures – City Share

CIP Section	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL FY 2017 - 2026
Schools	$ 35,935,000	$ 32,500,000	$ 31,900,000	$ 14,875,000	$ 15,000,000	$ 22,900,000	$ 37,000,000	$ 37,400,000	$ 29,000,000	$ 9,220,000	$ 265,730,000
Community Development	$ 6,093,000	$ 7,536,500	$ 11,085,500	$ 6,890,500	$ 8,217,500	$ 14,515,500	$ 10,887,500	$ 6,172,500	$ 15,487,500	$ 15,322,500	$ 102,208,500
IT Plan	$ 4,022,000	$ 4,085,240	$ 3,515,000	$ 4,335,000	$ 4,925,000	$ 4,765,000	$ 4,842,000	$ 4,220,000	$ 4,575,000	$ 5,080,000	$ 44,364,240
Other Regional Contributions	$ 834,752	$ 772,621	$ 776,478	$ 780,373	$ 784,308	$ 788,281	$ 792,293	$ 796,346	$ 800,441	$ 804,576	$ 7,930,469
Public Buildings	$ 14,273,500	$ 13,070,000	$ 4,670,000	$ 23,322,000	$ 11,097,000	$ 33,200,000	$ 18,886,000	$ 14,007,000	$ 4,691,000	$ 15,900,000	$ 153,116,500
Recreation & Parks	$ 15,129,000	$ 26,417,000	$ 8,102,000	$ 7,704,000	$ 8,229,000	$ 11,547,000	$ 7,797,000	$ 7,647,000	$ 7,847,000	$ 8,022,000	$ 108,441,000
Sanitary Sewers	$ 1,900,000	$ 6,750,000	$ 16,225,000	$ 27,095,000	$ 18,600,000	$ 17,150,000	$ 1,400,000	$ 1,800,000	$ 1,400,000	$ 1,400,000	$ 93,720,000
Stormwater Management	$ 2,331,200	$ 2,875,000	$ 3,133,000	$ 4,225,000	$ 4,225,000	$ 4,250,000	$ 4,850,000	$ 7,750,000	$ 7,750,000	$ 7,750,000	$ 49,139,200
Transportation	$ 163,205,000	$ 14,580,000	$ 20,830,000	$ 20,505,000	$ 22,955,000	$ 18,155,000	$ 18,630,000	$ 17,880,000	$ 16,830,000	$ 16,130,000	$ 329,700,000
TOTAL Proposed FY 2017 - 2026 City Share	$ 243,723,452	$ 108,586,361	$ 100,236,978	$ 109,731,873	$ 94,032,808	$ 127,270,781	$ 105,084,793	$ 97,672,846	$ 88,380,941	$ 79,629,076	$ 1,154,349,909

Table 3
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Capital Improvement Program Expenditures – Non-City Share

CIP Section	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL FY 2017 - 2026
Schools	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Community Development	$ 80,000	$ 80,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 560,000
IT Plan	$ 1,775,000	$ 1,335,000	$ 675,000	$ 675,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 7,160,000
Other Regional Contributions	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Buildings	$ -	$ -	$ 1,100,000	$ 5,000,000	$ 5,100,000	$ -	$ -	$ -	$ -	$ -	$ 11,200,000
Recreation & Parks	$ 225,000	$ 2,600,000	$ 100,000	$ 803,605	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 4,328,605
Sanitary Sewers	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Stormwater Management	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Transportation	$ 133,693,000	$ 64,474,313	$ 71,108,174	$ 51,126,000	$ 9,475,000	$ 19,900,000	$ 20,250,000	$ 26,000,000	$ 5,200,000	$ 3,800,000	$ 405,026,487
TOTAL Proposed FY 2017 - 2026 Non-City Share	$ 135,773,000	$ 68,489,313	$ 73,033,174	$ 57,654,605	$ 15,175,000	$ 20,500,000	$ 20,850,000	$ 26,600,000	$ 5,800,000	$ 4,400,000	$ 428,275,092

Table 4
Proposed FY 2016 – 2025 Capital Improvement Program
Summary of Projects by CIP Document Section

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
ACPS											
ACPS											
ACPS Total Funding	35,935,000	32,500,000	31,900,000	14,875,000	15,000,000	22,900,000	37,000,000	37,400,000	29,000,000	9,220,000	265,730,000
ACPS Total	35,935,000	32,500,000	31,900,000	14,875,000	15,000,000	22,900,000	37,000,000	37,400,000	29,000,000	9,220,000	265,730,000
Community Development											
City-Wide Amenities											
Gadsby Lighting Fixtures & Poles Replacement	0	0	75,000	0	75,000	0	75,000	0	75,000	0	300,000
Public Art Acquisition	330,000	380,000	400,000	450,000	500,000	550,000	550,000	550,000	550,000	550,000	4,810,000
Public Art Conservation Program	15,000	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	217,500
Transportation Signage & Wayfinding System	400,000	515,000	361,000	432,000	241,000	0	0	0	0	0	1,949,000
Neighborhood Planning											
Braddock Road Area Plan - Streetscape Improvements	0	0	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	315,000
EW & LVD Implementation - Air Quality Modeling Analysis Near Metro	75,000	0	0	0	0	0	0	0	0	0	75,000
EW & LVD Implementation - Infrastructure Plan	500,000	0	0	0	0	0	0	0	0	0	500,000
Waterfront Small Area Plan Implementation (w/ Construction Funding)	975,000	5,800,000	7,250,000	2,520,000	5,200,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	63,635,000
Public Safety Enhancements											
Citywide Street Lighting	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
Fire Department SCBA Replacement	0	0	0	0	0	0	0	0	0	3,500,000	3,500,000
Fire Department Vehicles & Apparatus	1,378,000	874,000	2,852,000	3,446,000	2,009,000	2,583,000	2,500,000	4,000,000	2,000,000	2,500,000	24,142,000
Police Body-Worn Cameras (BWC's)	0	TBD	TBD	0	0	0	0	0	0	0	0
Waterways Maint. & Imprv.											
Environmental Restoration	0	0	150,000	0	150,000	0	150,000	0	150,000	0	600,000
Four Mile Run Stream Restoration	0	0	0	0	0	0	0	0	0	0	0
Oronoco Outfall Remediation Project	2,500,000	0	0	0	0	0	0	0	0	0	2,500,000
Community Development Total	6,173,000	7,616,500	11,135,500	6,940,500	8,267,500	14,565,500	10,937,500	6,222,500	15,537,500	15,372,500	102,768,500

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
IT Plan											
Document Management											
Document Imaging	0	0	0	0	0	0	0	0	0	0	0
Financial Systems											
Business Tax System/Reciprocity Contractor System	0	0	40,000	375,000	0	0	0	0	0	0	415,000
Employee Pension Administration System	0	300,000	50,000	0	0	0	175,000	25,000	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	0	40,000	460,000	0	0	0	0	60,000	280,000	0	840,000
Phone, Web, Portable Device Payment Portals	240,000	0	0	200,000	0	0	0	0	160,000	0	600,000
Real Estate Account Receivable System	60,000	0	0	0	0	0	0	0	0	800,000	860,000
Real Estate Assessment System (CAMA)	0	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	970,000
Geographic Information Systems											
GIS Development	80,000	100,000	0	100,000	50,000	200,000	0	0	0	0	530,000
Network Services											
AlexStat Software	0	0	0	0	0	0	0	0	0	0	0
Connectivity Initiatives	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,500,000
Data Center Relocation	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	40,000	40,000	40,000	400,000
Enterprise Camera System	50,000	0	0	0	0	0	0	0	0	0	50,000
Enterprise Collaboration	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Enterprise Data Storage Infrastructure	400,000	400,000	200,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Enterprise Service Catalog	100,000	0	0	0	0	0	0	0	0	0	100,000
Information Technology Equipment Replacement	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	3,600,000
Information Technology Lump Sum Funding	0	0	0	250,000	3,395,000	3,265,000	3,687,000	3,155,000	3,130,000	3,200,000	20,082,000
IT Enterprise Management System	0	0	0	0	0	0	0	0	0	0	0
LAN Development	0	50,000	50,000	0	0	0	0	0	0	0	100,000
LAN/WAN Infrastructure	390,000	360,000	360,000	260,000	0	0	0	0	0	0	1,370,000
Municipal Fiber	400,000	TBD	TBD	0	0	0	0	0	0	0	400,000
Network Security	400,000	225,000	225,000	225,000	0	0	0	0	0	0	1,075,000
Network Server Infrastructure	400,000	175,000	175,000	500,000	0	0	0	0	0	0	1,250,000
Remote Access	150,000	150,000	150,000	150,000	75,000	75,000	0	0	0	0	750,000
Upgrade Work Station Operating Systems	280,000	300,000	300,000	200,000	0	0	0	0	0	0	1,080,000
Voice Over Internet Protocol (VoIP)	150,000	350,000	150,000	150,000	0	0	0	0	0	0	800,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
IT Plan											
Other System Development Projects											
Application Portfolio Management	0	0	0	100,000	0	0	0	0	0	0	100,000
Electronic Health Records (EHR) Replacement	300,000	0	0	0	0	0	0	0	0	0	300,000
Enterprise Maintenance Mgmt System	130,000	100,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	550,000
HIPAA & Related Health Information Technologies	25,000	25,000	25,000	50,000	25,000	25,000	25,000	25,000	50,000	25,000	300,000
Library Information Technology Equipment Replacement	80,000	0	0	0	0	0	0	0	0	0	80,000
Library Public Access Computers and Print Mgmt System	45,000	0	0	0	0	85,000	0	0	0	0	130,000
Migration of Integrated Library System to SAAS Platform	27,000	30,240	0	0	0	0	0	0	0	0	57,240
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	0	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
Replacement of City Voting Equipment	0	0	0	895,000	0	0	0	0	0	0	895,000
Security Cameras for TES facilities	0	0	0	0	0	60,000	0	0	0	0	60,000
Public Access Development											
Customer Relationship Management System	200,000	550,000	0	0	0	0	0	0	0	0	750,000
Electronic Government/Web Page	285,000	100,000	50,000	50,000	50,000	150,000	50,000	50,000	50,000	150,000	985,000
Public Safety Systems											
AJIS Enhancements	80,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	620,000
Computer Aided Dispatch (CAD) System Replacement	635,000	315,000	900,000	250,000	0	0	0	0	0	0	2,100,000
EMS Records Management System	0	0	0	0	425,000	0	0	0	0	0	425,000
IT Plan Total	5,797,000	5,420,240	4,190,000	5,010,000	5,375,000	5,215,000	5,292,000	4,670,000	5,025,000	5,530,000	51,524,240
Other Regional Contributions											
Other Regional Contributions											
Northern Virginia Community College (NVCC)	349,268	385,643	389,500	393,395	397,330	401,303	405,315	409,368	413,463	417,598	3,962,183
Northern Virginia Regional Park Authority (NVRPA)	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	3,869,780
Peumansend Creek Regional Jail	98,506	0	0	0	0	0	0	0	0	0	98,506
Other Regional Contributions Total	834,752	772,621	776,478	780,373	784,308	788,281	792,293	796,346	800,441	804,576	7,930,469

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Public Buildings											
General Government Facilities											
Capital Planning & Building Assessment (Condition Assessment)	200,000	95,000	450,000	300,000	0	100,000	100,000	100,000	0	0	1,345,000
City Hall HVAC & Infrastructure Replacement	750,000	500,000	500,000	4,425,000	500,000	27,350,000	2,500,000	0	0	0	36,525,000
Deduction Meter Implementation	97,500	0	0	0	0	0	0	0	0	0	97,500
Emergency Generators	0	76,000	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	1,691,000
Energy Management Program	650,000	1,495,000	125,000	675,000	675,000	775,000	875,000	975,000	760,000	675,000	7,680,000
Fleet Fuel and Performance Data Management System	0	200,000	0	0	0	0	0	0	0	0	200,000
Fuel Island Renovation Design Only	600,000	TBD	TBD	0	0	0	0	0	0	0	600,000
General Services CFMP	200,000	200,000	200,000	356,000	570,000	548,000	219,000	407,000	0	0	2,700,000
Market Square Plaza and Garage Structural Repairs	550,000	0	0	0	3,000,000	0	3,500,000	0	0	0	7,050,000
Old Town Parking Garage Ticketing Modernization	0	0	0	0	0	0	0	0	0	0	0
Parking at 200 N Union Street	300,000	0	0	0	0	0	0	0	0	0	300,000
Roof Replacement Program	1,110,000	72,000	0	536,000	748,000	72,000	0	0	0	0	2,538,000
Municipal Facilities Planning Project	250,000	0	0	0	0	0	0	0	0	0	250,000
Library Facilities											
Alexandria Library Security Enhancements	0	0	70,000	0	0	0	0	0	0	0	70,000
Beatley Building Envelope Restoration	150,000	1,020,000	0	0	0	0	0	0	0	0	1,170,000
Ellen Coolidge Burke Facility Space Planning	0	0	0	0	0	0	0	0	0	0	0
Library CFMP	10,000	0	0	0	19,000	269,000	66,000	87,000	0	0	451,000
Preservation of Historic Facilities											
City Historic Facilities CFMP	111,000	310,000	0	3,034,000	1,096,000	995,000	0	0	0	0	5,546,000
Gadsby's Tavern Restaurant Kitchen Equipment	245,000	0	0	0	0	0	0	0	0	0	245,000
Gadsy's Tavern Elevator Design and Construction	0	0	0	0	0	0	250,000	1,200,000	0	0	1,450,000
Torpedo Factory Space Programming Study	0	250,000	TBD	TBD	0	0	0	0	0	0	250,000
Public Health & Welfare Facilities											
Health Department CFMP	6,414,000	651,000	0	2,254,000	0	1,449,000	0	5,375,000	0	0	16,143,000
Health Dept Garage Concrete Deck & Parking Restoration	360,000	0	0	0	0	0	0	0	0	0	360,000
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

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	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Public Buildings											
Public Health & Welfare Facilities											
Health Department CFMP	6,414,000	651,000	0	2,254,000	0	1,449,000	0	5,375,000	0	0	16,143,000
Health Dept Garage Concrete Deck & Parking Restoration	360,000	0	0	0	0	0	0	0	0	0	360,000
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 Safety Facilities											
Animal Shelter Exterior Dog Kennels	258,000	0	0	0	0	0	0	0	0	0	258,000
Courthouse Renovations - HVAC and CFMP	87,000	736,000	0	2,580,000	0	0	0	2,063,000	3,551,000	0	9,017,000
EOC/Public Safety Center Reuse	0	0	0	0	0	0	0	0	0	0	0
Fire & Rescue CFMP	200,000	240,000	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,940,000
Fire Station 203 (Cameron Mills)	0	6,900,000	0	0	0	0	0	0	0	0	6,900,000
Fire Station 205 (Cameron Street)	0	250,000	3,150,000	7,873,000	0	0	0	0	0	0	11,273,000
Fire Station 206 (Seminary Rd)	0	0	0	0	720,000	0	10,808,000	0	0	0	11,528,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	0	3,500,000	0	14,700,000	18,200,000
Fire Station 211 (Beauregard)	0	0	1,100,000	5,000,000	7,100,000	0	0	0	0	0	13,200,000
New Burn Building	0	0	0	0	250,000	1,140,000	0	0	0	0	1,390,000
Office of the Sheriff CFMP	556,000	0	0	485,000	843,000	0	0	0	0	0	1,884,000
Pistol Range	1,100,000	0	0	0	0	0	0	0	0	0	1,100,000
Police K-9 Facility Renovation	0	0	0	0	0	0	0	0	0	0	0
Vola Lawson Animal Shelter	0	0	0	128,000	0	87,000	0	0	0	0	215,000
Public Buildings Total	14,273,500	13,070,000	5,770,000	28,322,000	16,197,000	33,200,000	18,886,000	14,007,000	4,691,000	15,900,000	164,316,500
Recreation & Parks											
Aquatics Facilities											
Chinquapin Aquatics Center	4,500,000	17,850,000	0	0	0	0	0	0	0	0	22,350,000
Chinquapin Pool Skylight Replacement	0	0	0	0	0	0	0	0	0	375,000	375,000
Colosanto Pool Demolition/Spray ground Conversion	0	0	0	0	0	450,000	0	0	0	0	450,000
Ewald Pool Demolition	0	0	0	450,000	0	0	0	0	0	0	450,000
Old Town Pool Renovations	0	0	0	0	500,000	4,000,000	0	0	0	0	4,500,000
Public Pools	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	520,000
Warwick Pool Renovation	2,150,000	0	0	0	0	0	0	0	0	0	2,150,000
Open Space Acquisition & Development											
Open Space Acquisition and Develop.	1,325,000	2,075,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	19,400,000

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	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Recreation & Parks											
Park Maintenance & Improvements											
African American Heritage Park Repairs	240,000	0	0	0	0	0	0	0	0	0	240,000
Americans with Disabilities Act (ADA) Requirements	250,000	250,000	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	1,600,000
Athletic Field Improvements (incl. Synthetic Turf)	1,610,000	2,500,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,110,000
Athletic Field Restroom Renovations	370,000	350,000	0	0	0	0	0	0	0	0	720,000
Ball Court Renovations	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,500,000
Community Matching Fund	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,900,000
Four Mile Run Park Wetlands Connector Bridge	200,000	0	0	0	0	0	0	0	0	0	200,000
Major Asphalt Resurfacing in Parks	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Park Maintenance Facilities	30,000	250,000	0	0	0	0	0	0	0	0	280,000
Park Renovations CFMP	220,000	466,000	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	4,009,000
Patrick Henry Synthetic Turf Field and Outdoor Play Features	0	2,150,000	0	0	0	0	0	0	0	0	2,150,000
Playground Renovations CFMP	475,000	522,000	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	6,136,000
Potomac Yard Park Basketball Court Lights	150,000	0	0	0	0	0	0	0	0	0	150,000
Restaurant Depot Contribution Projects	0	0	0	0	0	0	0	0	0	0	0
Soft Surface Trails	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	1,200,000
Tree & Shrub Capital Maintenance	281,000	371,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	3,260,000
Water Management & Irrigation	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	1,280,000
Waterfront Parks CFMP	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Windmill Hill Park Improvements	0	0	0	0	0	0	0	0	0	0	0
Recreation Facility Maintenance											
City Marina Maintenance	340,000	90,000	90,000	90,000	45,000	45,000	90,000	90,000	90,000	90,000	1,060,000
Recreation Centers CFMP	675,000	725,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	7,000,000
Recreation Facilities Security Review	0	0	0	0	0	0	0	0	0	0	0
Renovated or New Recreation Facilities											
Braddock Area Plan Park	0	0	0	703,605	0	0	0	0	0	0	703,605
City Marina Utility Upgrades	1,063,000	0	0	0	0	0	0	0	0	0	1,063,000
Citywide Parks Improvements Plan	350,000	468,000	500,000	0	500,000	0	500,000	500,000	500,000	500,000	3,818,000
Fort Ward Management Plan Implementation	275,000	0	400,000	0	170,000	0	150,000	0	200,000	0	1,195,000
Patrick Henry Recreation Center	0	TBD	0	0	0	0	0	0	0	0	TBD
Recreation & Parks Total	15,354,000	29,017,000	8,202,000	8,507,605	8,329,000	11,647,000	7,897,000	7,747,000	7,947,000	8,122,000	112,769,605

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	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Sanitary Sewers											
Sanitary Sewers											
AlexRenew Wastewater Treatment Plant Capacity	0	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	34,220,000
Citywide Sewershed Infiltration & Inflow	0	3,000,000	2,375,000	3,075,000	2,850,000	4,000,000	0	0	0	0	15,300,000
Combined Sewer Overflow 001 Planning	0	0	0	0	0	0	0	0	0	0	0
Combined Sewer Separation Projects	700,000	300,000	200,000	200,000	600,000	200,000	200,000	600,000	200,000	200,000	3,400,000
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
Sewer Assessment & Rehabilitation	0	0	3,700,000	2,550,000	2,550,000	0	0	0	0	0	8,800,000
Wet Weather Management Facility	0	2,250,000	8,750,000	9,000,000	0	0	0	0	0	0	20,000,000
Sanitary Sewers Total	1,900,000	6,750,000	16,225,000	27,095,000	18,600,000	17,150,000	1,400,000	1,800,000	1,400,000	1,400,000	93,720,000
Stormwater Management											
Stormwater Management											
Cameron Station Pond Retrofit	625,000	625,000	0	0	0	0	0	0	0	0	1,250,000
City Facilities Stormwater Best Management Practices (BMPs)	0	500,000	1,133,000	0	0	0	0	0	0	0	1,633,000
Four Mile Run Channel Maintenance	0	600,000	0	0	0	0	600,000	0	0	0	1,200,000
Ft. Ward Stormwater	0	0	0	0	0	0	0	0	0	0	0
Green Infrastructure in CSO Areas	0	0	0	0	0	0	0	0	0	0	0
Lake Cook Stormwater Management	812,000	0	0	0	0	0	0	0	0	0	812,000
MS4-TMDL Compliance Water Quality Imprv.	0	0	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	34,500,000
NPDES / MS4 Permit	0	0	0	0	0	0	0	0	0	0	0
Storm Sewer Capacity Assessment	0	0	0	475,000	475,000	0	0	0	0	0	950,000
Storm Sewer System Spot Improvements	0	151,474	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,551,474
Stormwater Utility Study (Capitalized Position FY 17-18)	144,200	148,526	0	0	0	0	0	0	0	0	292,726
Stream & Channel Maintenance	750,000	850,000	1,200,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	5,950,000
Stormwater Management Total	2,331,200	2,875,000	3,133,000	4,225,000	4,225,000	4,250,000	4,850,000	7,750,000	7,750,000	7,750,000	49,139,200

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	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Transportation											
Fixed Transportation Equipment											
Citywide Parking - Parking Study	150,000	0	0	0	0	0	0	0	0	0	150,000
Citywide Parking - Parking Technologies	0	110,000	200,000	0	400,000	0	0	0	0	0	710,000
Citywide Trans. Mgmt. Tech. - Broadband TSA Communications Link	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	1,918,000	7,000,000	0	0	0	0	0	0	0	0	8,918,000
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	0	900,000
Citywide Trans. Mgmt. Tech. - Transportation Technologies	175,000	250,000	250,000	0	0	0	0	250,000	0	0	925,000
Fixed Transportation Equipment	850,000	1,450,000	850,000	850,000	850,000	850,000	2,350,000	850,000	850,000	850,000	10,600,000
Citywide Transportation Management System (SCOOT/Tdi)	0	0	0	0	0	0	0	0	0	0	0
High Capacity Transit Corridors											
Route 1 Transitway - Metroway Construction	0	0	500,000	0	0	0	0	0	0	0	500,000
Route 1 Transitway (NEPP)	0	0	500,000	500,000	500,000	0	0	0	0	0	1,500,000
Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	0	0	0	210,000	0	2,100,000	2,000,000	15,000,000	0	0	19,310,000
Transit Corridor "C" - West End Transitway	7,000,000	40,000,000	40,000,000	23,400,000	2,600,000	12,100,000	12,500,000	0	0	0	137,600,000
Transit Corridor "C" - Transit Priority	0	0	0	0	0	0	0	0	0	0	0
Non-Motorized Transportation											
Backlick Run Multi-Use Paths	0	0	200,000	1,918,000	0	0	0	0	0	0	2,118,000
Bicycle Parking at Metro Stations	350,000	0	0	0	0	0	0	0	0	0	350,000
BRAC 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	675,000	699,313	368,174	402,000	350,000	0	0	0	0	0	2,494,487
Complete Streets	830,000	830,000	1,170,000	830,000	830,000	830,000	830,000	830,000	830,000	830,000	8,640,000
Edsall and South Pickett Pedestrian Imprv.	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Greenway	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	0	2,095,000	6,000,000	0	0	0	0	0	0	0	8,095,000
Safe Routes to Schools	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	300,000	1,500,000
Sidewalk Capital Maintenance	950,000	300,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	0	4,550,000
Transportation Master Plan Update	0	500,000	0	0	0	0	0	0	0	0	500,000
Van Dorn/Beauregard Bicycle Facilities	0	0	250,000	1,171,000	0	0	0	0	0	0	1,421,000
Wilkes Street Bikeway	0	0	0	0	0	0	0	0	0	0	0
Pedestrian & Bicycle Master Plan Update	0	0	0	0	0	0	0	0	0	0	0

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	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Transportation											
Public Transit											
Bus Shelters and Benches	0	270,000	0	0	600,000	0	0	0	0	0	870,000
DASH Bus Fleet Replacements	3,900,000	3,900,000	4,050,000	4,050,000	2,800,000	3,375,000	2,100,000	2,800,000	2,100,000	0	29,075,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	150,000	250,000	300,000	350,000	350,000	400,000	500,000	550,000	450,000	450,000	3,750,000
DASH NEPP Implementation	0	0	0	450,000	750,000	0	0	0	0	0	1,200,000
DASH Real Time Bus Information System	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	0	0	0	0	0	0	0	0	0	0	0
Landmark Transit Station	0	0	0	0	0	0	600,000	5,400,000	0	0	6,000,000
Potomac Yard Metrorail Station	270,000,000	0	0	0	0	0	0	0	0	0	270,000,000
South Eisenhower Metrorail Station - South Entrance	0	0	0	0	0	0	0	0	0	0	0
Van Dorn Metrorail Station Area Imprv.	1,500,000	800,000	0	0	0	0	0	0	0	0	2,300,000
WMATA Capital Contributions	1,750,000	7,500,000	14,300,000	13,900,000	15,900,000	11,500,000	11,500,000	11,500,000	11,500,000	11,500,000	110,850,000
Streets & Bridges											
Bridge Repairs	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	5,000,000
City Standard Construction Specifications	0	0	0	0	0	0	0	0	0	0	0
East Glebe & Route 1	0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
Eisenhower Avenue Roadway Improvements	0	0	0	0	0	0	0	0	0	0	0
EW & LVD Implementation - High Street Design/Engineering	0	0	0	0	0	0	500,000	0	0	0	500,000
King & Beauregard Intersection Improvements	0	0	0	0	0	0	0	0	0	0	0
King/Quaker Lane/Braddock Rd. Intersection	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
Route 1 @ E. Reed Intersection 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
Street Reconstruction & Resurfacing of Major Roads	5,300,000	5,300,000	5,500,000	5,500,000	5,500,000	5,500,000	5,000,000	5,300,000	5,300,000	5,300,000	53,500,000
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	0	200,000	300,000	0	0	0	0	0	0	0	500,000
Transportation Total	296,898,000	79,054,313	91,938,174	71,631,000	32,430,000	38,055,000	38,880,000	43,880,000	22,030,000	19,930,000	734,726,487
Total	379,496,452	177,075,674	173,270,152	167,386,478	109,207,808	147,770,781	125,934,793	124,272,846	94,180,941	84,029,076	1,582,625,001

Table 5
Proposed FY 2016 – 2025 Capital Improvement Program
Summary of Projects by Project Category

CIP Section	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL FY 2017 - 2026
Category 1 - Asset Maintenance	$ 31,242,252	$ 30,688,595	$ 36,977,978	$ 48,746,873	$ 39,801,808	$ 63,425,781	$ 35,164,793	$ 39,459,846	$ 30,234,941	$ 28,624,076	$ 384,366,943
Category 2 - Renovations/Existing Assets	$ 11,628,000	$ 7,669,000	$ 6,795,000	$ 8,655,000	$ 9,300,000	$ 5,140,000	$ 5,000,000	$ 3,763,000	$ 4,201,000	$ 4,375,000	$ 66,526,000
Category 3 - New Facilities	$ 294,894,200	$ 100,797,839	$ 93,407,174	$ 90,099,605	$ 39,731,000	$ 51,090,000	$ 43,478,000	$ 38,980,000	$ 25,720,000	$ 36,280,000	$ 814,477,818
Alexandria City Public Schools	$ 35,935,000	$ 32,500,000	$ 31,900,000	$ 14,875,000	$ 15,000,000	$ 22,900,000	$ 37,000,000	$ 37,400,000	$ 29,000,000	$ 9,220,000	$ 265,730,000
Information Technology Plan	$ 5,797,000	$ 5,420,240	$ 4,190,000	$ 5,010,000	$ 5,375,000	$ 5,215,000	$ 5,292,000	$ 4,670,000	$ 5,025,000	$ 5,530,000	$ 51,524,240
TOTAL Proposed FY 2017 - 2026 CIP	$ 379,496,452	$ 177,075,674	$ 173,270,152	$ 167,386,478	$ 109,207,808	$ 147,770,781	$ 125,934,793	$ 124,272,846	$ 94,180,941	$ 84,029,076	$ 1,582,625,001

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
ACPS											
ACPS											
ACPS											
ACPS Total Funding	35,935,000	32,500,000	31,900,000	14,875,000	15,000,000	22,900,000	37,000,000	37,400,000	29,000,000	9,220,000	265,730,000
ACPS Total	35,935,000	32,500,000	31,900,000	14,875,000	15,000,000	22,900,000	37,000,000	37,400,000	29,000,000	9,220,000	265,730,000
Category 1											
Community Development											
City-Wide Amenities											
Gadsby Lighting Fixtures & Poles Replacement	0	0	75,000	0	75,000	0	75,000	0	75,000	0	300,000
Public Art Conservation Program	15,000	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	217,500
Public Safety Enhancements											
Fire Department Vehicles & Apparatus	1,378,000	874,000	2,852,000	3,446,000	2,009,000	2,583,000	2,500,000	4,000,000	2,000,000	2,500,000	24,142,000
Other Regional Contributions											
Other Regional Contributions											
Northern Virginia Community College (NVCC)	349,268	385,643	389,500	393,395	397,330	401,303	405,315	409,368	413,463	417,598	3,962,183
Northern Virginia Regional Park Authority (NVRPA)	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	3,869,780
Peumansend Creek Regional Jail	98,506	0	0	0	0	0	0	0	0	0	98,506

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Category 1											
Public Buildings											
General Government Facilities											
Capital Planning & Building Assessment (Condition Assessment)	200,000	95,000	450,000	300,000	0	100,000	100,000	100,000	0	0	1,345,000
City Hall HVAC & Infrastructure Replacement	750,000	500,000	500,000	4,425,000	500,000	27,350,000	2,500,000	0	0	0	36,525,000
Deduction Meter Implementation	97,500	0	0	0	0	0	0	0	0	0	97,500
Emergency Generators	0	76,000	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	1,691,000
Energy Management Program	650,000	1,495,000	125,000	675,000	675,000	775,000	875,000	975,000	760,000	675,000	7,680,000
General Services CFMP	200,000	200,000	200,000	356,000	570,000	548,000	219,000	407,000	0	0	2,700,000
Roof Replacement Program	1,110,000	72,000	0	536,000	748,000	72,000	0	0	0	0	2,538,000
Municipal Facilities Planning Project	250,000	0	0	0	0	0	0	0	0	0	250,000
Library Facilities											
Library CFMP	10,000	0	0	0	19,000	269,000	66,000	87,000	0	0	451,000
Preservation of Historic Facilities											
City Historic Facilities CFMP	111,000	310,000	0	3,034,000	1,096,000	995,000	0	0	0	0	5,546,000
Public Health & Welfare Facilities											
Health Department CFMP	6,414,000	651,000	0	2,254,000	0	1,449,000	0	5,375,000	0	0	16,143,000
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 Safety Facilities											
Fire & Rescue CFMP	200,000	240,000	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,940,000
Office of the Sheriff CFMP	556,000	0	0	485,000	843,000	0	0	0	0	0	1,884,000
Vola Lawson Animal Shelter	0	0	0	128,000	0	87,000	0	0	0	0	215,000
Recreation & Parks											
Aquatics Facilities											
Public Pools	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	520,000
Park Maintenance & Improvements											
Americans with Disabilities Act (ADA) Requirements	250,000	250,000	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	1,600,000
Ball Court Renovations	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,500,000
Major Asphalt Resurfacing in Parks	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Park Maintenance Facilities	30,000	250,000	0	0	0	0	0	0	0	0	280,000
Park Renovations CFMP	220,000	466,000	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	4,009,000
Playground Renovations CFMP	475,000	522,000	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	6,136,000
Soft Surface Trails	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	1,200,000
Tree & Shrub Capital Maintenance	281,000	371,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	3,260,000
Water Management & Irrigation	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	1,280,000
Waterfront Parks CFMP	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Recreation Facility Maintenance											
City Marina Maintenance	340,000	90,000	90,000	90,000	45,000	45,000	90,000	90,000	90,000	90,000	1,060,000
Recreation Centers CFMP	675,000	725,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	7,000,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Category 1											
Sanitary Sewers											
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											
Stormwater Management											
Storm Sewer Capacity Assessment	0	0	0	475,000	475,000	0	0	0	0	0	950,000
Storm Sewer System Spot Improvements	0	151,474	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,551,474
Stream & Channel Maintenance	750,000	850,000	1,200,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	5,950,000
Transportation											
Fixed Transportation Equipment											
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	0	900,000
Fixed Transportation Equipment	850,000	1,450,000	850,000	850,000	850,000	850,000	2,350,000	850,000	850,000	850,000	10,600,000
Non-Motorized Transportation											
Shared-Use Paths	0	300,000	0	300,000	0	300,000	0	300,000	0	300,000	1,500,000
Sidewalk Capital Maintenance	950,000	300,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	0	4,550,000
Public Transit											
DASH Bus Fleet Replacements	3,900,000	3,900,000	4,050,000	4,050,000	2,800,000	3,375,000	2,100,000	2,800,000	2,100,000	0	29,075,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	150,000	250,000	300,000	350,000	350,000	400,000	500,000	550,000	450,000	450,000	3,750,000
WMATA Capital Contributions	1,750,000	7,500,000	14,300,000	13,900,000	15,900,000	11,500,000	11,500,000	11,500,000	11,500,000	11,500,000	110,850,000
Streets & Bridges											
Bridge Repairs	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	5,000,000
Street Reconstruction & Resurfacing of Major Roads	5,300,000	5,300,000	5,500,000	5,500,000	5,500,000	5,500,000	5,000,000	5,300,000	5,300,000	5,300,000	53,500,000
Category 1 Total	31,242,252	30,688,595	36,977,978	48,746,873	39,801,808	63,425,781	35,164,793	39,459,846	30,234,941	28,624,076	384,366,943
Category 2											
Community Development											
Public Safety Enhancements											
Fire Department SCBA Replacement	0	0	0	0	0	0	0	0	0	3,500,000	3,500,000
Waterways Maint. & Imprv.											
Environmental Restoration	0	0	150,000	0	150,000	0	150,000	0	150,000	0	600,000
Four Mile Run Stream Restoration	0	0	0	0	0	0	0	0	0	0	0
Oronoco Outfall Remediation Project	2,500,000	0	0	0	0	0	0	0	0	0	2,500,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Category 2											
Public Buildings											
General Government Facilities											
Fuel Island Renovation Design Only	600,000	TBD	TBD	0	0	0	0	0	0	0	600,000
Market Square Plaza and Garage Structural Repairs	550,000	0	0	0	3,000,000	0	3,500,000	0	0	0	7,050,000
Parking at 200 N Union Street	300,000	0	0	0	0	0	0	0	0	0	300,000
Library Facilities											
Alexandria Library Security Enhancements	0	0	70,000	0	0	0	0	0	0	0	70,000
Beatley Building Envelope Restoration	150,000	1,020,000	0	0	0	0	0	0	0	0	1,170,000
Preservation of Historic Facilities											
Gadsby's Tavern Restaurant Kitchen Equipment	245,000	0	0	0	0	0	0	0	0	0	245,000
Gadsy's Tavern Elevator Design and Construction	0	0	0	0	0	0	250,000	1,200,000	0	0	1,450,000
Public Health & Welfare Facilities											
Health Dept Garage Concrete Deck & Parking Restoration	360,000	0	0	0	0	0	0	0	0	0	360,000
Public Safety Facilities											
Animal Shelter Exterior Dog Kennels	258,000	0	0	0	0	0	0	0	0	0	258,000
Courthouse Renovations - HVAC and CFMP	87,000	736,000	0	2,580,000	0	0	0	2,063,000	3,551,000	0	9,017,000
New Burn Building	0	0	0	0	250,000	1,140,000	0	0	0	0	1,390,000
Pistol Range	1,100,000	0	0	0	0	0	0	0	0	0	1,100,000
Police K-9 Facility Renovation	0	0	0	0	0	0	0	0	0	0	0
Recreation & Parks											
Aquatics Facilities											
Chinquapin Pool Skylight Replacement	0	0	0	0	0	0	0	0	0	375,000	375,000
Ewald Pool Demolition	0	0	0	450,000	0	0	0	0	0	0	450,000
Warwick Pool Renovation	2,150,000	0	0	0	0	0	0	0	0	0	2,150,000
Park Maintenance & Improvements											
African American Heritage Park Repairs	240,000	0	0	0	0	0	0	0	0	0	240,000
Athletic Field Restroom Renovations	370,000	350,000	0	0	0	0	0	0	0	0	720,000
Windmill Hill Park Improvements	0	0	0	0	0	0	0	0	0	0	0
Renovated or New Recreation Facilities											
City Marina Utility Upgrades	1,063,000	0	0	0	0	0	0	0	0	0	1,063,000
Citywide Parks Improvements Plan	350,000	468,000	500,000	0	500,000	0	500,000	500,000	500,000	500,000	3,818,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Category 2											
Sanitary Sewers											
Sanitary Sewers											
Citywide Sewershed Infiltration & Inflow	0	3,000,000	2,375,000	3,075,000	2,850,000	4,000,000	0	0	0	0	15,300,000
Four Mile Run Sanitary Sewer Repair	0	0	0	0	0	0	0	0	0	0	0
Sewer Assessment & Rehabilitation	0	0	3,700,000	2,550,000	2,550,000	0	0	0	0	0	8,800,000
Stormwater Management											
Stormwater Management											
Four Mile Run Channel Maintenance	0	600,000	0	0	0	0	600,000	0	0	0	1,200,000
Transportation											
Fixed Transportation Equipment											
Citywide Transportation Management System (SCOOT/Tdi)	0	0	0	0	0	0	0	0	0	0	0
Non-Motorized Transportation											
Edsall and South Pickett Pedestrian Imprv.	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	500,000	0	0	0	0	0	0	0	0	500,000
Wilkes Street Bikeway	0	0	0	0	0	0	0	0	0	0	0
Public Transit											
South Eisenhower Metrorail Station - South Entrance	0	0	0	0	0	0	0	0	0	0	0
Van Dorn Metrorail Station Area Imprv.	1,500,000	800,000	0	0	0	0	0	0	0	0	2,300,000
Streets & Bridges											
Madison & Montgomery Reconstruction	0	0	0	0	0	0	0	0	0	0	0
Category 2 Total	11,823,000	7,474,000	6,795,000	8,655,000	9,300,000	5,140,000	5,000,000	3,763,000	4,201,000	4,375,000	66,526,000
Category 3											
Community Development											
City-Wide Amenities											
Public Art Acquisition	330,000	380,000	400,000	450,000	500,000	550,000	550,000	550,000	550,000	550,000	4,810,000
Transportation Signage & Wayfinding System	400,000	515,000	361,000	432,000	241,000	0	0	0	0	0	1,949,000
Neighborhood Planning											
Braddock Road Area Plan - Streetscape Improvements	0	0	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	315,000
EW & LVD Implementation - Air Quality Modeling Analysis Near Metro	75,000	0	0	0	0	0	0	0	0	0	75,000
EW & LVD Implementation - Infrastructure Plan	500,000	0	0	0	0	0	0	0	0	0	500,000
Waterfront Small Area Plan Implementation (w/ Construction Funding)	975,000	5,800,000	7,250,000	2,520,000	5,200,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	63,635,000
Public Safety Enhancements											
Citywide Street Lighting	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
Police Body-Worn Cameras (BWC's)	0	TBD	TBD	0	0	0	0	0	0	0	0

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Category 3											
Public Buildings											
General Government Facilities											
Fleet Fuel and Performance Data Management System	0	200,000	0	0	0	0	0	0	0	0	200,000
Old Town Parking Garage Ticketing Modernization	0	0	0	0	0	0	0	0	0	0	0
Library Facilities											
Ellen Coolidge Burke Facility Space Planning	0	0	0	0	0	0	0	0	0	0	0
Preservation of Historic Facilities											
Torpedo Factory Space Programming Study	0	250,000	TBD	TBD	0	0	0	0	0	0	250,000
Public Safety Facilities											
EOC/Public Safety Center Reuse	0	0	0	0	0	0	0	0	0	0	0
Fire Station 203 (Cameron Mills)	0	6,900,000	0	0	0	0	0	0	0	0	6,900,000
Fire Station 205 (Cameron Street)	0	250,000	3,150,000	7,873,000	0	0	0	0	0	0	11,273,000
Fire Station 206 (Seminary Rd)	0	0	0	0	720,000	0	10,808,000	0	0	0	11,528,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	0	3,500,000	0	14,700,000	18,200,000
Fire Station 211 (Beauregard)	0	0	1,100,000	5,000,000	7,100,000	0	0	0	0	0	13,200,000
Recreation & Parks											
Aquatics Facilities											
Chinquapin Aquatics Center	4,500,000	17,850,000	0	0	0	0	0	0	0	0	22,350,000
Colosanto Pool Demolition/Spray ground Conversion	0	0	0	0	0	450,000	0	0	0	0	450,000
Old Town Pool Renovations	0	0	0	0	500,000	4,000,000	0	0	0	0	4,500,000
Open Space Acquisition & Development											
Open Space Acquisition and Develop.	1,325,000	2,075,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	19,400,000
Park Maintenance & Improvements											
Athletic Field Improvements (incl. Synthetic Turf)	1,610,000	2,500,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,110,000
Community Matching Fund	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,900,000
Four Mile Run Park Wetlands Connector Bridge	200,000	0	0	0	0	0	0	0	0	0	200,000
Patrick Henry Synthetic Turf Field and Outdoor Play Features	0	2,150,000	0	0	0	0	0	0	0	0	2,150,000
Potomac Yard Park Basketball Court Lights	150,000	0	0	0	0	0	0	0	0	0	150,000
Restaurant Depot Contribution Projects	0	0	0	0	0	0	0	0	0	0	0
Recreation Facility Maintenance											
Recreation Facilities Security Review	0	0	0	0	0	0	0	0	0	0	0
Renovated or New Recreation Facilities											
Braddock Area Plan Park	0	0	0	703,605	0	0	0	0	0	0	703,605
Fort Ward Management Plan Implementation	275,000	0	400,000	0	170,000	0	150,000	0	200,000	0	1,195,000
Patrick Henry Recreation Center	0	TBD	0	0	0	0	0	0	0	0	TBD

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Category 3											
Sanitary Sewers											
Sanitary Sewers											
AlexRenew Wastewater Treatment Plant Capacity	0	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	34,220,000
Combined Sewer Overflow 001 Planning	0	0	0	0	0	0	0	0	0	0	0
Combined Sewer Separation Projects	700,000	300,000	200,000	200,000	600,000	200,000	200,000	600,000	200,000	200,000	3,400,000
Holmes Run Trunk Sewer	0	0	0	0	0	0	0	0	0	0	0
Wet Weather Management Facility	0	2,250,000	8,750,000	9,000,000	0	0	0	0	0	0	20,000,000
Stormwater Management											
Stormwater Management											
Cameron Station Pond Retrofit	625,000	625,000	0	0	0	0	0	0	0	0	1,250,000
City Facilities Stormwater Best Management Practices (BMPs)	0	500,000	1,133,000	0	0	0	0	0	0	0	1,633,000
Ft. Ward Stormwater	0	0	0	0	0	0	0	0	0	0	0
Green Infrastructure in CSO Areas	0	0	0	0	0	0	0	0	0	0	0
Lake Cook Stormwater Management	812,000	0	0	0	0	0	0	0	0	0	812,000
MS4-TMDL Compliance Water Quality Imprv.	0	0	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	34,500,000
NPDES / MS4 Permit	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Study (Capitalized Position FY 17-18)	144,200	148,526	0	0	0	0	0	0	0	0	292,726
Transportation											
Fixed Transportation Equipment											
Citywide Parking - Parking Study	150,000	0	0	0	0	0	0	0	0	0	150,000
Citywide Parking - Parking Technologies	0	110,000	200,000	0	400,000	0	0	0	0	0	710,000
Citywide Trans. Mgmt. Tech. - Broadband TSA Communications Link	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	1,918,000	7,000,000	0	0	0	0	0	0	0	0	8,918,000
Citywide Trans. Mgmt. Tech. - Transportation Technologies	175,000	250,000	250,000	0	0	0	0	250,000	0	0	925,000
High Capacity Transit Corridors											
Route 1 Transitway - Metroway Construction	0	0	500,000	0	0	0	0	0	0	0	500,000
Route 1 Transitway (NEPP)	0	0	500,000	500,000	500,000	0	0	0	0	0	1,500,000
Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	0	0	0	210,000	0	2,100,000	2,000,000	15,000,000	0	0	19,310,000
Transit Corridor "C" - West End Transitway	7,000,000	40,000,000	40,000,000	23,400,000	2,600,000	12,100,000	12,500,000	0	0	0	137,600,000
Transit Corridor "C" - Transit Priority	0	0	0	0	0	0	0	0	0	0	0

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Category 3											
Transportation											
Non-Motorized Transportation											
Backlick Run Multi-Use Paths	0	0	200,000	1,918,000	0	0	0	0	0	0	2,118,000
Bicycle Parking at Metro Stations	350,000	0	0	0	0	0	0	0	0	0	350,000
BRAC 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	675,000	699,313	368,174	402,000	350,000	0	0	0	0	0	2,494,487
Complete Streets	830,000	830,000	1,170,000	830,000	830,000	830,000	830,000	830,000	830,000	830,000	8,640,000
Holmes Run Greenway	0	0	0	0	0	0	0	0	0	0	0
Old Cameron Run Trail	0	2,095,000	6,000,000	0	0	0	0	0	0	0	8,095,000
Safe Routes to Schools	0	0	0	0	0	0	0	0	0	0	0
Van Dorn/Beauregard Bicycle Facilities	0	0	250,000	1,171,000	0	0	0	0	0	0	1,421,000
Pedestrian & Bicycle Master Plan Update	0	0	0	0	0	0	0	0	0	0	0
Public Transit											
Bus Shelters and Benches	0	270,000	0	0	600,000	0	0	0	0	0	870,000
DASH NEPP Implementation	0	0	0	450,000	750,000	0	0	0	0	0	1,200,000
DASH Real Time Bus Information System	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	0	0	0	0	0	0	0	0	0	0	0
Landmark Transit Station	0	0	0	0	0	0	600,000	5,400,000	0	0	6,000,000
Potomac Yard Metrorail Station	270,000,000	0	0	0	0	0	0	0	0	0	270,000,000
Streets & Bridges											
City Standard Construction Specifications	0	0	0	0	0	0	0	0	0	0	0
East Glebe & Route 1	0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
Eisenhower Avenue Roadway Improvements	0	0	0	0	0	0	0	0	0	0	0
EW & LVD Implementation - High Street Design/Engineering	0	0	0	0	0	0	500,000	0	0	0	500,000
King & Beauregard Intersection Improvements	0	0	0	0	0	0	0	0	0	0	0
King/Quaker Lane/Braddock Rd. Intersection	0	0	0	0	0	0	0	0	0	0	0
Route 1 @ E. Reed Intersection 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
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	0	200,000	300,000	0	0	0	0	0	0	0	500,000
Category 3 Total	294,894,200	100,797,839	93,407,174	90,099,605	39,731,000	51,090,000	43,478,000	38,980,000	25,720,000	36,280,000	814,477,818

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
IT Plan											
IT Plan											
Document Management											
Document Imaging	0	0	0	0	0	0	0	0	0	0	0
Financial Systems											
Business Tax System/Reciprocity Contractor System	0	0	40,000	375,000	0	0	0	0	0	0	415,000
Employee Pension Administration System	0	300,000	50,000	0	0	0	175,000	25,000	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	0	40,000	460,000	0	0	0	0	60,000	280,000	0	840,000
Phone, Web, Portable Device Payment Portals	240,000	0	0	200,000	0	0	0	0	160,000	0	600,000
Real Estate Account Receivable System	60,000	0	0	0	0	0	0	0	0	800,000	860,000
Real Estate Assessment System (CAMA)	0	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	970,000
Geographic Information Systems											
GIS Development	80,000	100,000	0	100,000	50,000	200,000	0	0	0	0	530,000
Network Services											
AlexStat Software	0	0	0	0	0	0	0	0	0	0	0
Connectivity Initiatives	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,500,000
Data Center Relocation	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	40,000	40,000	40,000	400,000
Enterprise Camera System	50,000	0	0	0	0	0	0	0	0	0	50,000
Enterprise Collaboration	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Enterprise Data Storage Infrastructure	400,000	400,000	200,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Enterprise Service Catalog	100,000	0	0	0	0	0	0	0	0	0	100,000
Information Technology Equipment Replacement	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	3,600,000
Information Technology Lump Sum Funding	0	0	0	250,000	3,395,000	3,265,000	3,687,000	3,155,000	3,130,000	3,200,000	20,082,000
IT Enterprise Management System	0	0	0	0	0	0	0	0	0	0	0
LAN Development	0	50,000	50,000	0	0	0	0	0	0	0	100,000
LAN/WAN Infrastructure	390,000	360,000	360,000	260,000	0	0	0	0	0	0	1,370,000
Municipal Fiber	400,000	TBD	TBD	0	0	0	0	0	0	0	400,000
Network Security	400,000	225,000	225,000	225,000	0	0	0	0	0	0	1,075,000
Network Server Infrastructure	400,000	175,000	175,000	500,000	0	0	0	0	0	0	1,250,000
Remote Access	150,000	150,000	150,000	150,000	75,000	75,000	0	0	0	0	750,000
Upgrade Work Station Operating Systems	280,000	300,000	300,000	200,000	0	0	0	0	0	0	1,080,000
Voice Over Internet Protocol (VoIP)	150,000	350,000	150,000	150,000	0	0	0	0	0	0	800,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
IT Plan											
Other System Development Projects											
Application Portfolio Management	0	0	0	100,000	0	0	0	0	0	0	100,000
Electronic Health Records (EHR) Replacement	300,000	0	0	0	0	0	0	0	0	0	300,000
Enterprise Maintenance Mgmt System	130,000	100,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	550,000
HIPAA & Related Health Information Technologies	25,000	25,000	25,000	50,000	25,000	25,000	25,000	25,000	50,000	25,000	300,000
Library Information Technology Equipment Replacement	80,000	0	0	0	0	0	0	0	0	0	80,000
Library Public Access Computers and Print Mgmt System	45,000	0	0	0	0	85,000	0	0	0	0	130,000
Migration of Integrated Library System to SAAS Platform	27,000	30,240	0	0	0	0	0	0	0	0	57,240
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	0	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
Replacement of City Voting Equipment	0	0	0	895,000	0	0	0	0	0	0	895,000
Security Cameras for TES facilities	0	0	0	0	0	60,000	0	0	0	0	60,000
Public Access Development											
Customer Relationship Management System	200,000	550,000	0	0	0	0	0	0	0	0	750,000
Electronic Government/Web Page	285,000	100,000	50,000	50,000	50,000	150,000	50,000	50,000	50,000	150,000	985,000
Public Safety Systems											
AJIS Enhancements	80,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	620,000
Computer Aided Dispatch (CAD) System Replacement	635,000	315,000	900,000	250,000	0	0	0	0	0	0	2,100,000
EMS Records Management System	0	0	0	0	425,000	0	0	0	0	0	425,000
IT Plan Total	5,797,000	5,420,240	4,190,000	5,010,000	5,375,000	5,215,000	5,292,000	4,670,000	5,025,000	5,530,000	51,524,240
Total	379,496,452	177,075,674	173,270,152	167,386,478	109,207,808	147,770,781	125,934,793	124,272,846	94,180,941	84,029,076	1,582,625,001

SUMMARY FUNDING TABLES

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Table 1
Proposed FY 2017 - 2026 Capital Improvement Program
Total Sources and Uses of Capital Improvement Program Funds

Source of Funds	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL FY 2017 - 2026
All City Cash Sources (Cash Capital)											
General Fund Planned Appropriations (Transfer from General Fund)	$ 17,277,504	$ 17,156,450	$ 17,672,978	$ 18,197,873	$ 18,747,808	$ 19,303,781	$ 19,890,793	$ 20,484,846	$ 21,101,941	$ 21,735,076	$ 191,569,050
Prior Year CIP/Projects Closed-Out/Available Balances	$ 4,575,000	$ 1,500,000	$ 1,000,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 10,575,000
General Obligation Bond Interest Earnings	$ 200,000	$ 200,000	$ 200,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 2,350,000
Sale of Property Revenue	$ 1,614,711	$ 1,390,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,004,711
Other Base City Sources	$ 216,437	$ 216,437	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 432,874
Subtotal, All Unrestricted City Cash Sources	*$ 23,883,652*	*$ 20,462,887*	*$ 18,872,978*	*$ 18,947,873*	*$ 19,497,808*	*$ 20,053,781*	*$ 20,640,793*	*$ 21,234,846*	*$ 21,851,941*	*$ 22,485,076*	*$ 207,931,635*
Unrestricted Borrowing Sources											
*General Obligation Bonds (Excl. Sewers/TIP/Potomac Yard)	$ 61,439,800	$ 79,873,474	$ 65,639,000	$ 64,464,000	$ 56,110,000	$ 89,817,000	$ 81,669,000	$ 73,363,000	$ 64,129,000	$ 54,744,000	$ 691,248,274
Subtotal, All Unrestricted City Sources	*$ 85,323,452*	*$ 100,336,361*	*$ 84,511,978*	*$ 83,411,873*	*$ 75,607,808*	*$ 109,870,781*	*$ 102,309,793*	*$ 94,597,846*	*$ 85,980,941*	*$ 77,229,076*	*$ 899,179,909*
Restricted City Sources											
Sanitary Sewer Fees	$ 1,900,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 10,900,000
General Obligation Bonds - Sanitary Sewers	$ -	$ 5,750,000	$ 13,375,000	$ 24,820,000	$ 16,325,000	$ 16,150,000	$ 400,000	$ 800,000	$ 400,000	$ 400,000	$ 78,420,000
Cash Capital - Transportation Improvement Program	$ 1,425,000	$ 1,200,000	$ 1,300,000	$ 500,000	$ 1,100,000	$ 250,000	$ 1,200,000	$ 1,250,000	$ 1,000,000	$ 1,000,000	$ 10,225,000
Reprogrammed Transportation Improvement Program Balances	$ 1,075,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,075,000
General Obligation Bonds - Potomac Yard Metrorail Station	$ 154,000,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 154,000,000
Pension Administrative Fees	$ -	$ 300,000	$ 50,000	$ -	$ -	$ -	$ 175,000	$ 25,000	$ -	$ -	$ 550,000
Subtotal, Restricted City Sources	*$ 158,400,000*	*$ 8,250,000*	*$ 15,725,000*	*$ 26,320,000*	*$ 18,425,000*	*$ 17,400,000*	*$ 2,775,000*	*$ 3,075,000*	*$ 2,400,000*	*$ 2,400,000*	*$ 255,170,000*
Non-City Sources											
Comcast Revenues	$ 1,475,000	$ 1,335,000	$ 675,000	$ 675,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 6,860,000
Virginia Transportation Infrastructure Bank (VTIB) Loan	$ 50,000,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 50,000,000
State/Federal Grants	$ 1,675,000	$ 29,794,313	$ 26,618,174	$ 12,233,000	$ 350,000	$ -	$ -	$ -	$ -	$ -	$ 70,670,487
Private Capital Contributions	$ 125,000	$ 2,600,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 3,525,000
Developer Contributions (Includes Prior Year Balances)	$ 180,000	$ 6,580,000	$ 17,850,000	$ 22,453,605	$ 7,750,000	$ 12,150,000	$ 12,550,000	$ 50,000	$ 50,000	$ 50,000	$ 79,663,605
Prior Year State DCHS Money	$ 300,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 300,000
NVTA 70%	$ 73,000,000	$ 20,000,000	$ 20,000,000	$ 12,950,000	$ -	$ 2,100,000	$ 2,600,000	$ 20,400,000	$ -	$ -	$ 151,050,000
NVTA 30%	$ 3,900,000	$ 5,000,000	$ 5,050,000	$ 4,875,000	$ 2,775,000	$ 4,200,000	$ 3,650,000	$ 4,100,000	$ 3,700,000	$ 2,300,000	$ 39,550,000
CMAQ/RSTP	$ 2,693,000	$ 1,680,000	$ 1,240,000	$ 2,868,000	$ 2,250,000	$ -	$ -	$ -	$ -	$ -	$ 10,731,000
State Revenue Sharing	$ 2,425,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 15,925,000
Subtotal, Non-City Sources	*$ 135,773,000*	*$ 68,489,313*	*$ 73,033,174*	*$ 57,654,605*	*$ 15,175,000*	*$ 20,500,000*	*$ 20,850,000*	*$ 26,600,000*	*$ 5,800,000*	*$ 4,400,000*	*$ 428,275,092*
Total, All Sources	$ 379,496,452	$ 177,075,674	$ 173,270,152	$ 167,386,478	$ 109,207,808	$ 147,770,781	$ 125,934,793	$ 124,272,846	$ 94,180,941	$ 84,029,076	$ 1,582,625,001

All Uses (CIP Document Section)	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL FY 2017 - 2026
Schools	$ 35,935,000	$ 32,500,000	$ 31,900,000	$ 14,875,000	$ 15,000,000	$ 22,900,000	$ 37,000,000	$ 37,400,000	$ 29,000,000	$ 9,220,000	$ 265,730,000
Community Development	$ 6,173,000	$ 7,616,500	$ 11,135,500	$ 6,940,500	$ 8,267,500	$ 14,565,500	$ 10,937,500	$ 6,222,500	$ 15,537,500	$ 15,372,500	$ 102,768,500
IT Plan	$ 5,797,000	$ 5,420,240	$ 4,190,000	$ 5,010,000	$ 5,375,000	$ 5,215,000	$ 5,292,000	$ 4,670,000	$ 5,025,000	$ 5,530,000	$ 51,524,240
Other Regional Contributions	$ 834,752	$ 772,621	$ 776,478	$ 780,373	$ 784,308	$ 788,281	$ 792,293	$ 796,346	$ 800,441	$ 804,576	$ 7,930,469
Public Buildings	$ 14,273,500	$ 13,070,000	$ 5,770,000	$ 28,322,000	$ 16,197,000	$ 33,200,000	$ 18,886,000	$ 14,007,000	$ 4,691,000	$ 15,900,000	$ 164,316,500
Recreation & Parks	$ 15,354,000	$ 29,017,000	$ 8,202,000	$ 8,507,605	$ 8,329,000	$ 11,647,000	$ 7,897,000	$ 7,747,000	$ 7,947,000	$ 8,122,000	$ 112,769,605
Sanitary Sewers	$ 1,900,000	$ 6,750,000	$ 16,225,000	$ 27,095,000	$ 18,600,000	$ 17,150,000	$ 1,400,000	$ 1,800,000	$ 1,400,000	$ 1,400,000	$ 93,720,000
Stormwater Management	$ 2,331,200	$ 2,875,000	$ 3,133,000	$ 4,225,000	$ 4,225,000	$ 4,250,000	$ 4,850,000	$ 7,750,000	$ 7,750,000	$ 7,750,000	$ 49,139,200
Transportation	$ 296,898,000	$ 79,054,313	$ 91,938,174	$ 71,631,000	$ 32,430,000	$ 38,055,000	$ 38,880,000	$ 43,880,000	$ 22,030,000	$ 19,930,000	$ 734,726,487
Grand Total	**$ 379,496,452**	**$ 177,075,674**	**$ 173,270,152**	**$ 167,386,478**	**$ 109,207,808**	**$ 147,770,781**	**$ 125,934,793**	**$ 124,272,846**	**$ 94,180,941**	**$ 84,029,076**	**$ 1,582,625,001**

% FROM BONDS	70.2%	48.4%	45.6%	53.3%	66.3%	71.7%	65.2%	59.7%	68.5%	65.6%	61.6%
% FROM CITY AND OTHER CASH SOURCES	29.8%	51.6%	54.4%	46.7%	33.7%	28.3%	34.8%	40.3%	31.5%	34.4%	38.4%

Table 2
Proposed FY 2017 - 2026 Capital Improvement Program
Sources and Uses of Funds
For the Ten Fiscal Years Ending June 30, 2026

City Funded Sources	Recurruing Cash Capital (1)	Projected Debt Service (2)	Total General Fund
Planned Future General Fund Appropriations to Support Capital Projects, FY 2017 - 2026			
FY 2017	$17,370,436	$69,073,431	$86,443,867
FY 2018	$17,156,450	$78,362,098	$95,518,548
FY 2019	$17,672,978	$91,833,921	$109,506,899
FY 2020	$18,197,873	$95,887,097	$114,084,970
FY 2021	$18,747,808	$97,637,896	$116,385,704
FY 2022	$19,303,781	$103,800,318	$123,104,099
FY 2023	$19,890,793	$109,653,877	$129,544,670
FY 2024	$20,484,846	$111,930,943	$132,415,789
FY 2025	$21,101,941	$117,980,544	$139,082,485
FY 2026	$21,735,076	$118,314,118	$140,049,194
TOTAL Planned Future Appropriations	$191,661,982	$994,474,244	$1,186,136,226

(1) Includes only recurring Cash Capital and TIP cash, but not one-time cash sources.
(2) Includes planned Sanitary Sewer and Potomac Yard debt service.

Planned General Obligation Bond Issues	
FY 2017 (1)	$215,439,800
FY 2018	$85,623,474
FY 2019	$79,014,000
FY 2020	$89,284,000
FY 2021	$72,435,000
FY 2022	$105,967,000
FY 2023	$82,069,000
FY 2024	$74,163,000
FY 2025	$64,529,000
FY 2026	$55,144,000
TOTAL Planned General Obligation Bond Issues	$923,668,274

(1) $20.6 million in GO Bonds budgeted in FY 2017 will be issued in FY 2018 based on projected cash flow analysis.

Planned Other City Sources	
Prior Year CIP/Projects Closed-Out/Available Balances	$10,575,000
General Obligation Bond Interest Earnings	$2,350,000
Sale of Property Revenue	$2,911,779
Other Base City Sources	$432,874
Sanitary Sewer Fees	$10,900,000
Cash Capital - Transportation Improvement Program	$10,225,000
Reprogrammed Transportation Improvement Program Balances	$1,075,000
Pension Administrative Fees	$550,000
TOTAL Planned Other City Sources	$39,019,653

TOTAL CITY SOURCES (FY 2017 - FY 2026)	$2,148,824,153

Table 2 (Continued)
Proposed FY 2017 - 2026 Capital Improvement Program
Sources and Uses of Funds
For the Ten Fiscal Years Ending June 30, 2026

Proposed FY 2017 - FY 2026 City Funded CIP	
FY 2017 Proposed Capital Budget	$243,723,452
FY 2018 Proposed Capital Budget	$108,586,361
FY 2019 Proposed Capital Budget	$100,236,978
FY 2020 Proposed Capital Budget	$109,731,873
FY 2021 Proposed Capital Budget	$94,032,808
FY 2022 Proposed Capital Budget	$127,270,781
FY 2023 Proposed Capital Budget	$105,084,793
FY 2024 Proposed Capital Budget	$97,672,846
FY 2025 Proposed Capital Budget	$88,380,941
FY 2026 Proposed Capital Budget	$79,629,076
TOTAL CITY FUNDED USES (FY 2017 - FY 2026)	$1,154,349,909

Table 3
Proposed FY 2017 - 2026 Capital Improvement Program
All Funding Sources

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Cash Capital											
ACPS											
ACPS Total Funding	4,200,000	4,130,000	4,069,000	2,630,000	2,275,000	4,150,000	4,475,000	4,340,000	4,610,000	1,689,000	36,568,000
Community Development											
Braddock Road Area Plan - Streetscape Improvements	0	0	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	315,000
Citywide Street Lighting	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
Environmental Restoration	0	0	150,000	0	150,000	0	150,000	0	150,000	0	600,000
EW & LVD Implementation - Air Quality Modeling Analysis Near Metro	75,000	0	0	0	0	0	0	0	0	0	75,000
EW & LVD Implementation - Infrastructure Plan	250,000	0	0	0	0	0	0	0	0	0	250,000
Fire Department SCBA Replacement	0	0	0	0	0	0	0	0	0	3,500,000	3,500,000
Gadsby Lighting Fixtures & Poles Replacement	0	0	75,000	0	75,000	0	75,000	0	75,000	0	300,000
Oronoco Outfall Remediation Project	494,200	0	0	0	0	0	0	0	0	0	494,200
Public Art Acquisition	250,000	300,000	350,000	400,000	450,000	500,000	500,000	500,000	500,000	500,000	4,250,000
Public Art Conservation Program	15,000	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	217,500
Transportation Signage & Wayfinding System	400,000	515,000	361,000	432,000	241,000	0	0	0	0	0	1,949,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Cash Capital											
IT Plan											
AJIS Enhancements	80,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	620,000
Application Portfolio Management	0	0	0	100,000	0	0	0	0	0	0	100,000
Business Tax System/Reciprocity Contractor System	0	0	40,000	375,000	0	0	0	0	0	0	415,000
Computer Aided Dispatch (CAD) System Replacement	435,000	315,000	900,000	250,000	0	0	0	0	0	0	1,900,000
Customer Relationship Management System	200,000	550,000	0	0	0	0	0	0	0	0	750,000
Database Infrastructure	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Electronic Government/Web Page	135,000	100,000	50,000	50,000	50,000	150,000	50,000	50,000	50,000	150,000	835,000
EMS Records Management System	0	0	0	0	425,000	0	0	0	0	0	425,000
Enterprise Camera System	50,000	0	0	0	0	0	0	0	0	0	50,000
Enterprise Collaboration	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Enterprise Data Storage Infrastructure	0	0	200,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	2,200,000
Enterprise Maintenance Mgmt System	80,000	100,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	500,000
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
GIS Development	80,000	100,000	0	100,000	50,000	200,000	0	0	0	0	530,000
HIPAA & Related Health Information Technologies	25,000	25,000	25,000	50,000	25,000	25,000	25,000	25,000	50,000	25,000	300,000
Information Technology Equipment Replacement	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	3,600,000
Information Technology Lump Sum Funding	0	0	0	250,000	3,395,000	3,265,000	3,687,000	3,155,000	3,130,000	3,200,000	20,082,000
LAN Development	0	50,000	50,000	0	0	0	0	0	0	0	100,000
LAN/WAN Infrastructure	130,000	100,000	360,000	260,000	0	0	0	0	0	0	850,000
Library Information Technology Equipment Replacement	40,000	0	0	0	0	0	0	0	0	0	40,000
Library Public Access Computers and Print Mgmt System	45,000	0	0	0	0	85,000	0	0	0	0	130,000
Migration of Integrated Library System to SAAS Platform	27,000	30,240	0	0	0	0	0	0	0	0	57,240
Municipal Fiber	300,000	0	0	0	0	0	0	0	0	0	300,000
Network Security	175,000	0	0	0	0	0	0	0	0	0	175,000
Network Server Infrastructure	260,000	175,000	175,000	500,000	0	0	0	0	0	0	1,110,000
Personal Property Tax System	0	40,000	460,000	0	0	0	0	60,000	280,000	0	840,000
Phone, Web, Portable Device Payment Portals	240,000	0	0	200,000	0	0	0	0	160,000	0	600,000
Real Estate Account Receivable System	60,000	0	0	0	0	0	0	0	0	800,000	860,000
Real Estate Assessment System (CAMA)	0	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	970,000
Recreation Database System	0	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
Remote Access	150,000	150,000	150,000	150,000	75,000	75,000	0	0	0	0	750,000
Replacement of City Voting Equipment	0	0	0	895,000	0	0	0	0	0	0	895,000
Security Cameras for TES facilities	0	0	0	0	0	60,000	0	0	0	0	60,000
Upgrade Work Station Operating Systems	180,000	300,000	300,000	200,000	0	0	0	0	0	0	980,000
Voice Over Internet Protocol (VoIP)	150,000	350,000	150,000	150,000	0	0	0	0	0	0	800,000
Other Regional Contributions											
Northern Virginia Community College (NVCC)	349,268	385,643	389,500	393,395	397,330	401,303	405,315	409,368	413,463	417,598	3,962,183
Northern Virginia Regional Park Authority (NVRPA)	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	3,869,780
Peumansend Creek Regional Jail	98,506	0	0	0	0	0	0	0	0	0	98,506

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Cash Capital											
Public Buildings											
Alexandria Library Security Enhancements	0	0	70,000	0	0	0	0	0	0	0	70,000
Animal Shelter Exterior Dog Kennels	58,000	0	0	0	0	0	0	0	0	0	58,000
Beatley Building Envelope Restoration	80,000	0	0	0	0	0	0	0	0	0	80,000
Capital Planning & Building Assessment (Condition Assessment)	200,000	95,000	450,000	300,000	0	100,000	100,000	100,000	0	0	1,345,000
City Hall HVAC & Infrastructure Replacement	100,000	100,000	100,000	500,000	500,000	950,000	400,000	0	0	0	2,650,000
City Historic Facilities CFMP	25,000	95,000	0	250,000	250,000	250,000	0	0	0	0	870,000
Courthouse Renovations - HVAC and CFMP	0	0	0	100,000	0	0	0	100,000	100,000	0	300,000
Deduction Meter Implementation	97,500	0	0	0	0	0	0	0	0	0	97,500
Emergency Generators	0	76,000	0	100,000	100,000	0	0	25,000	105,000	100,000	506,000
Energy Management Program	80,000	90,000	100,000	110,000	110,000	130,000	150,000	170,000	130,000	130,000	1,200,000
Fire & Rescue CFMP	100,000	120,000	100,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	1,195,000
Fire Station 205 (Cameron Street)	0	250,000	750,000	0	0	0	0	0	0	0	1,000,000
Fire Station 206 (Seminary Rd)	0	0	0	0	500,000	0	500,000	0	0	0	1,000,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	0	1,000,000	0	0	1,000,000
Fire Station 211 (Beauregard)	0	0	0	0	200,000	0	0	0	0	0	200,000
Fleet Fuel and Performance Data Management System	0	200,000	0	0	0	0	0	0	0	0	200,000
Fuel Island Renovation Design Only	600,000	0	0	0	0	0	0	0	0	0	600,000
Gadsby's Tavern Restaurant Kitchen Equipment	245,000	0	0	0	0	0	0	0	0	0	245,000
Gadsy's Tavern Elevator Design and Construction	0	0	0	0	0	0	250,000	0	0	0	250,000
General Services CFMP	50,000	200,000	200,000	300,000	300,000	300,000	219,000	300,000	0	0	1,869,000
Health Department CFMP	100,000	250,000	0	254,000	0	350,000	0	375,000	0	0	1,329,000
Health Dept Garage Concrete Deck & Parking Restoration	360,000	0	0	0	0	0	0	0	0	0	360,000
Library CFMP	10,000	0	0	0	19,000	125,000	66,000	87,000	0	0	307,000
Market Square Plaza and Garage Structural Repairs	100,000	0	0	0	250,000	0	250,000	0	0	0	600,000
Mental Health Residential Facilities CFMP	50,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	725,000
New Burn Building	0	0	0	0	125,000	140,000	0	0	0	0	265,000
Office of the Sheriff CFMP	85,000	0	0	220,000	240,000	0	0	0	0	0	545,000
Parking at 200 N Union Street	300,000	0	0	0	0	0	0	0	0	0	300,000
Roof Replacement Program	0	72,000	0	130,000	50,000	72,000	0	0	0	0	324,000
Torpedo Factory Space Programming Study	0	250,000	0	0	0	0	0	0	0	0	250,000
Vola Lawson Animal Shelter	0	0	0	128,000	0	87,000	0	0	0	0	215,000
Municipal Facilities Planning Project	250,000	0	0	0	0	0	0	0	0	0	250,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Cash Capital											
Recreation & Parks											
African American Heritage Park Repairs	240,000	0	0	0	0	0	0	0	0	0	240,000
Americans with Disabilities Act (ADA) Requirements	250,000	250,000	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	1,600,000
Athletic Field Improvements (incl. Synthetic Turf)	210,000	250,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,060,000
Athletic Field Restroom Renovations	35,000	35,000	0	0	0	0	0	0	0	0	70,000
Ball Court Renovations	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
Chinquapin Aquatics Center	328,000	500,000	0	0	0	0	0	0	0	0	828,000
Chinquapin Pool Skylight Replacement	0	0	0	0	0	0	0	0	0	375,000	375,000
City Marina Maintenance	90,000	90,000	90,000	90,000	45,000	45,000	90,000	90,000	90,000	90,000	810,000
Citywide Parks Improvements Plan	100,000	150,000	150,000	0	150,000	0	150,000	150,000	150,000	150,000	1,150,000
Colosanto Pool Demolition/Spray ground Conversion	0	0	0	0	0	450,000	0	0	0	0	450,000
Community Matching Fund	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	950,000
Ewald Pool Demolition	0	0	0	450,000	0	0	0	0	0	0	450,000
Fort Ward Management Plan Implementation	275,000	0	400,000	0	170,000	0	150,000	0	200,000	0	1,195,000
Four Mile Run Park Wetlands Connector Bridge	100,000	0	0	0	0	0	0	0	0	0	100,000
Major Asphalt Resurfacing in Parks	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	370,000
Old Town Pool Renovations	0	0	0	0	500,000	0	0	0	0	0	500,000
Open Space Acquisition and Develop.	75,000	325,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,400,000
Park Maintenance Facilities	30,000	25,000	0	0	0	0	0	0	0	0	55,000
Park Renovations CFMP	220,000	466,000	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	4,009,000
Playground Renovations CFMP	75,000	272,000	320,000	372,000	272,000	315,000	315,000	315,000	315,000	315,000	2,886,000
Potomac Yard Park Basketball Court Lights	75,000	0	0	0	0	0	0	0	0	0	75,000
Public Pools	25,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	493,000
Recreation Centers CFMP	125,000	375,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,300,000
Soft Surface Trails	60,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	1,140,000
Tree & Shrub Capital Maintenance	281,000	371,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	3,260,000
Water Management & Irrigation	60,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	1,212,000
Waterfront Parks CFMP	25,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	475,000
Stormwater Management											
City Facilities Stormwater Best Management Practices (BMPs)	0	250,000	250,000	0	0	0	0	0	0	0	500,000
Four Mile Run Channel Maintenance	0	600,000	0	0	0	0	600,000	0	0	0	1,200,000
Lake Cook Stormwater Management	812,000	0	0	0	0	0	0	0	0	0	812,000
MS4-TMDL Compliance Water Quality Imprv.	0	0	250,000	750,000	700,000	750,000	750,000	2,750,000	2,810,000	2,810,000	11,570,000
Storm Sewer Capacity Assessment	0	0	0	475,000	475,000	0	0	0	0	0	950,000
Stormwater Utility Study (Capitalized Position FY 17-18)	144,200	148,526	0	0	0	0	0	0	0	0	292,726
Stream & Channel Maintenance	200,000	250,000	550,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	2,575,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Cash Capital											
Transportation											
Bridge Repairs	125,000	175,000	75,000	125,000	75,000	175,000	75,000	175,000	75,000	175,000	1,250,000
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	0	900,000
Complete Streets	630,000	630,000	630,000	630,000	630,000	630,000	630,000	630,000	630,000	630,000	6,300,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	150,000	250,000	300,000	350,000	350,000	400,000	500,000	550,000	450,000	450,000	3,750,000
Fixed Transportation Equipment	225,000	425,000	225,000	225,000	225,000	225,000	425,000	225,000	225,000	225,000	2,650,000
Shared-Use Paths	0	300,000	0	300,000	0	300,000	0	300,000	0	300,000	1,500,000
Sidewalk Capital Maintenance	950,000	300,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	0	4,550,000
Street Reconstruction & Resurfacing of Major Roads	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	2,000,000	2,000,000	8,000,000
Cash Capital Total	19,308,652	18,962,887	17,872,978	18,447,873	18,997,808	19,553,781	20,140,793	20,734,846	21,351,941	21,985,076	197,356,635
CMAQ/RSTP											
Transportation											
Backlick Run Multi-Use Paths	0	0	200,000	1,918,000	0	0	0	0	0	0	2,118,000
Bicycle Parking at Metro Stations	350,000	0	0	0	0	0	0	0	0	0	350,000
Bus Shelters and Benches	0	270,000	0	0	600,000	0	0	0	0	0	870,000
Citywide Parking - Parking Technologies	0	110,000	200,000	0	400,000	0	0	0	0	0	710,000
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	1,918,000	0	0	0	0	0	0	0	0	0	1,918,000
Complete Streets	0	0	340,000	0	0	0	0	0	0	0	340,000
DASH NEPP Implementation	0	0	0	450,000	750,000	0	0	0	0	0	1,200,000
Route 1 Transitway (NEPP)	0	0	500,000	500,000	500,000	0	0	0	0	0	1,500,000
Transportation Master Plan Update	0	500,000	0	0	0	0	0	0	0	0	500,000
Van Dorn Metrorail Station Area Imprv.	425,000	800,000	0	0	0	0	0	0	0	0	1,225,000
CMAQ/RSTP Total	2,693,000	1,680,000	1,240,000	2,868,000	2,250,000	0	0	0	0	0	10,731,000
Comcast Revenues											
IT Plan											
Connectivity Initiatives	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,500,000
Enterprise Data Storage Infrastructure	400,000	400,000	0	0	0	0	0	0	0	0	800,000
LAN/WAN Infrastructure	260,000	260,000	0	0	0	0	0	0	0	0	520,000
Network Security	225,000	225,000	225,000	225,000	0	0	0	0	0	0	900,000
Network Server Infrastructure	140,000	0	0	0	0	0	0	0	0	0	140,000
Comcast Revenues Total	1,475,000	1,335,000	675,000	675,000	450,000	450,000	450,000	450,000	450,000	450,000	6,860,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Developer Contributions											
Community Development											
Public Art Acquisition	80,000	80,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	560,000
Public Buildings											
Fire Station 211 (Beauregard)	0	0	1,100,000	5,000,000	5,100,000	0	0	0	0	0	11,200,000
Recreation & Parks											
Braddock Area Plan Park	0	0	0	703,605	0	0	0	0	0	0	703,605
Transportation											
East Glebe & Route 1	0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
Route 1 Transitway - Metroway Construction	0	0	500,000	0	0	0	0	0	0	0	500,000
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	2,600,000	12,100,000	12,500,000	0	0	0	27,200,000
Developer Contributions Total	80,000	6,580,000	17,850,000	22,453,605	7,750,000	12,150,000	12,550,000	50,000	50,000	50,000	79,563,605
GO Bonds											
ACPS											
ACPS Total Funding	31,735,000	28,370,000	27,831,000	12,245,000	12,725,000	18,750,000	32,525,000	33,060,000	24,390,000	7,531,000	229,162,000
Community Development											
Fire Department Vehicles & Apparatus	1,378,000	874,000	2,852,000	3,446,000	2,009,000	2,583,000	2,500,000	4,000,000	2,000,000	2,500,000	24,142,000
Oronoco Outfall Remediation Project	655,800	0	0	0	0	0	0	0	0	0	655,800
Waterfront Small Area Plan Implementation (w/ Construction Funding)	975,000	5,800,000	7,250,000	2,520,000	5,200,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	63,635,000
Public Buildings											
Animal Shelter Exterior Dog Kennels	200,000	0	0	0	0	0	0	0	0	0	200,000
Beatley Building Envelope Restoration	70,000	1,020,000	0	0	0	0	0	0	0	0	1,090,000
City Hall HVAC & Infrastructure Replacement	650,000	400,000	400,000	3,925,000	0	26,400,000	2,100,000	0	0	0	33,875,000
City Historic Facilities CFMP	86,000	215,000	0	2,784,000	846,000	745,000	0	0	0	0	4,676,000
Courthouse Renovations - HVAC and CFMP	87,000	736,000	0	2,480,000	0	0	0	1,963,000	3,451,000	0	8,717,000
Emergency Generators	0	0	0	301,000	301,000	140,000	293,000	0	0	150,000	1,185,000
Energy Management Program	450,000	1,405,000	25,000	565,000	565,000	645,000	725,000	805,000	630,000	545,000	6,360,000
Fire & Rescue CFMP	100,000	120,000	0	75,000	75,000	75,000	75,000	75,000	75,000	75,000	745,000
Fire Station 203 (Cameron Mills)	0	6,900,000	0	0	0	0	0	0	0	0	6,900,000
Fire Station 205 (Cameron Street)	0	0	2,400,000	7,873,000	0	0	0	0	0	0	10,273,000
Fire Station 206 (Seminary Rd)	0	0	0	0	220,000	0	10,308,000	0	0	0	10,528,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	0	2,500,000	0	14,700,000	17,200,000
Fire Station 211 (Beauregard)	0	0	0	0	1,800,000	0	0	0	0	0	1,800,000
Gadsy's Tavern Elevator Design and Construction	0	0	0	0	0	0	0	1,200,000	0	0	1,200,000
General Services CFMP	50,000	0	0	56,000	270,000	248,000	0	107,000	0	0	731,000
Health Department CFMP	6,314,000	401,000	0	2,000,000	0	1,099,000	0	5,000,000	0	0	14,814,000
Library CFMP	0	0	0	0	0	144,000	0	0	0	0	144,000
Market Square Plaza and Garage Structural Repairs	450,000	0	0	0	2,750,000	0	3,250,000	0	0	0	6,450,000
New Burn Building	0	0	0	0	125,000	1,000,000	0	0	0	0	1,125,000
Office of the Sheriff CFMP	471,000	0	0	265,000	603,000	0	0	0	0	0	1,339,000
Pistol Range	1,100,000	0	0	0	0	0	0	0	0	0	1,100,000
Roof Replacement Program	1,110,000	0	0	406,000	698,000	0	0	0	0	0	2,214,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
GO Bonds											
Recreation & Parks											
Athletic Field Improvements (incl. Synthetic Turf)	1,400,000	2,250,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	18,050,000
Athletic Field Restroom Renovations	335,000	315,000	0	0	0	0	0	0	0	0	650,000
Ball Court Renovations	100,000	135,000	135,000	135,000	135,000	135,000	135,000	135,000	135,000	135,000	1,315,000
Chinquapin Aquatics Center	4,172,000	14,850,000									19,022,000
City Marina Maintenance	250,000	0	0	0	0	0	0	0	0	0	250,000
City Marina Utility Upgrades	1,063,000	0	0	0	0	0	0	0	0	0	1,063,000
Citywide Parks Improvements Plan	125,000	318,000	350,000	0	350,000	0	350,000	350,000	350,000	350,000	2,543,000
Major Asphalt Resurfacing in Parks	113,000	213,000	213,000	213,000	213,000	213,000	213,000	213,000	213,000	213,000	2,030,000
Old Town Pool Renovations	0	0	0	0	0	4,000,000	0	0	0	0	4,000,000
Open Space Acquisition and Develop.	450,000	250,000	750,000	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000	10,200,000
Park Maintenance Facilities	0	225,000	0	0	0	0	0	0	0	0	225,000
Patrick Henry Synthetic Turf Field and Outdoor Play Features	0	2,150,000	0	0	0	0	0	0	0	0	2,150,000
Playground Renovations CFMP	300,000	250,000	250,000	250,000	350,000	350,000	350,000	350,000	350,000	350,000	3,150,000
Recreation Centers CFMP	550,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,700,000
Warwick Pool Renovation	2,150,000	0	0	0	0	0	0	0	0	0	2,150,000
Sanitary Sewers											
Sewer Assessment & Rehabilitation	0	0	1,850,000	1,275,000	1,275,000	0	0	0	0	0	4,400,000
Stormwater Management											
Cameron Station Pond Retrofit	625,000	625,000	0	0	0	0	0	0	0	0	1,250,000
City Facilities Stormwater Best Management Practices (BMPs)	0	250,000	883,000	0	0	0	0	0	0	0	1,133,000
MS4-TMDL Compliance Water Quality Imprv.	0	0	250,000	2,250,000	2,300,000	2,750,000	2,750,000	4,250,000	4,190,000	4,190,000	22,930,000
Storm Sewer System Spot Improvements	0	151,474	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,551,474
Stream & Channel Maintenance	400,000	600,000	650,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	3,225,000
Transportation											
Bridge Repairs	175,000	525,000	225,000	575,000	225,000	525,000	225,000	525,000	225,000	525,000	3,750,000
Complete Streets	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
DASH Bus Fleet Replacements	150,000	650,000	0	675,000	675,000	675,000	700,000	700,000	700,000	0	4,925,000
Fixed Transportation Equipment	625,000	1,025,000	625,000	625,000	625,000	625,000	1,925,000	625,000	625,000	625,000	7,950,000
Street Reconstruction & Resurfacing of Major Roads	2,375,000	3,300,000	3,500,000	3,500,000	3,500,000	3,500,000	2,300,000	2,300,000	800,000	800,000	25,875,000
WMATA Capital Contributions	0	5,000,000	12,550,000	11,900,000	14,150,000	9,750,000	9,250,000	9,500,000	9,200,000	9,200,000	90,500,000
GO Bonds Total	61,439,800	79,873,474	65,639,000	64,464,000	56,110,000	89,817,000	81,669,000	73,363,000	64,129,000	54,744,000	691,248,274

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
GO Bonds - Potomac Yard											
Transportation											
Potomac Yard Metrorail Station	154,000,000	0	0	0	0	0	0	0	0	0	154,000,000
GO Bonds - Potomac Yard Total	154,000,000	0	0	0	0	0	0	0	0	0	154,000,000
GO Bonds - Sanitary Sewer											
Sanitary Sewers											
AlexRenew Wastewater Treatment Plant Capacity	0	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	34,220,000
Citywide Sewershed Infiltration & Inflow	0	3,000,000	2,375,000	3,075,000	2,850,000	4,000,000	0	0	0	0	15,300,000
Reconstructions & Extensions of Sanitary Sewers	0	500,000	400,000	400,000	800,000	400,000	400,000	800,000	400,000	400,000	4,500,000
Sewer Assessment & Rehabilitation	0	0	1,850,000	1,275,000	1,275,000	0	0	0	0	0	4,400,000
Wet Weather Management Facility	0	2,250,000	8,750,000	9,000,000	0	0	0	0	0	0	20,000,000
GO Bonds - Sanitary Sewer Total	0	5,750,000	13,375,000	24,820,000	16,325,000	16,150,000	400,000	800,000	400,000	400,000	78,420,000
NVTA 30%											
Transportation											
DASH Bus Fleet Replacements	3,250,000	3,250,000	4,050,000	3,375,000	2,125,000	2,700,000	1,400,000	2,100,000	1,400,000	0	23,650,000
WMATA Capital Contributions	650,000	1,750,000	1,000,000	1,500,000	650,000	1,500,000	2,250,000	2,000,000	2,300,000	2,300,000	15,900,000
NVTA 30% Total	3,900,000	5,000,000	5,050,000	4,875,000	2,775,000	4,200,000	3,650,000	4,100,000	3,700,000	2,300,000	39,550,000
NVTA 70%											
Transportation											
Landmark Transit Station	0	0	0	0	0	0	600,000	5,400,000	0	0	6,000,000
Potomac Yard Metrorail Station	66,000,000	0	0	0	0	0	0	0	0	0	66,000,000
Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	0	0	0	210,000	0	2,100,000	2,000,000	15,000,000	0	0	19,310,000
Transit Corridor "C" - West End Transitway	7,000,000	20,000,000	20,000,000	12,740,000	0	0	0	0	0	0	59,740,000
NVTA 70% Total	73,000,000	20,000,000	20,000,000	12,950,000	0	2,100,000	2,600,000	20,400,000	0	0	151,050,000
Pension Admin. Fees											
IT Plan											
Employee Pension Administration System	0	300,000	50,000	0	0	0	175,000	25,000	0	0	550,000
Pension Admin. Fees Total	0	300,000	50,000	0	0	0	175,000	25,000	0	0	550,000
Prior Year City Cash											
Community Development											
Oronoco Outfall Remediation Project	750,000	0	0	0	0	0	0	0	0	0	750,000
Prior Year City Cash Total	750,000	0	0	0	0	0	0	0	0	0	750,000
Prior Year City GO Bonds											
Community Development											
Oronoco Outfall Remediation Project	600,000	0	0	0	0	0	0	0	0	0	600,000
Prior Year City GO Bonds Total	600,000	0	0	0	0	0	0	0	0	0	600,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Prior Year Developer Contributions											
Recreation & Parks											
Four Mile Run Park Wetlands Connector Bridge	100,000	0	0	0	0	0	0	0	0	0	100,000
Prior Year Developer Contributions Total	100,000	0	0	0	0	0	0	0	0	0	100,000
Prior Year State DCHS Money											
IT Plan											
Electronic Health Records (EHR) Replacement	300,000	0	0	0	0	0	0	0	0	0	300,000
Prior Year State DCHS Money Total	300,000	0	0	0	0	0	0	0	0	0	300,000
Prior Year TIP Bonds											
Transportation											
Van Dorn Metrorail Station Area Imprv.	750,000	0	0	0	0	0	0	0	0	0	750,000
Prior Year TIP Bonds Total	750,000	0	0	0	0	0	0	0	0	0	750,000
Prior Year TIP Cash											
Transportation											
Van Dorn Metrorail Station Area Imprv.	325,000	0	0	0	0	0	0	0	0	0	325,000
Prior Year TIP Cash Total	325,000	0	0	0	0	0	0	0	0	0	325,000
Prior Year/Close-Out											
Community Development											
EW & LVD Implementation - Infrastructure Plan	250,000	0	0	0	0	0	0	0	0	0	250,000
IT Plan											
Computer Aided Dispatch (CAD) System Replacement	200,000	0	0	0	0	0	0	0	0	0	200,000
Electronic Government/Web Page	150,000	0	0	0	0	0	0	0	0	0	150,000
Enterprise Maintenance Mgmt System	50,000	0	0	0	0	0	0	0	0	0	50,000
Enterprise Service Catalog	100,000	0	0	0	0	0	0	0	0	0	100,000
Library Information Technology Equipment Replacement	40,000	0	0	0	0	0	0	0	0	0	40,000
Municipal Fiber	100,000	0	0	0	0	0	0	0	0	0	100,000
Upgrade Work Station Operating Systems	100,000	0	0	0	0	0	0	0	0	0	100,000
Public Buildings											
Energy Management Program	120,000	0	0	0	0	0	0	0	0	0	120,000
General Services CFMP	100,000	0	0	0	0	0	0	0	0	0	100,000
Mental Health Residential Facilities CFMP	25,000	0	0	0	0	0	0	0	0	0	25,000
Recreation & Parks											
Ball Court Renovations	35,000	0	0	0	0	0	0	0	0	0	35,000
Citywide Parks Improvements Plan	125,000	0	0	0	0	0	0	0	0	0	125,000
Major Asphalt Resurfacing in Parks	100,000	0	0	0	0	0	0	0	0	0	100,000
Open Space Acquisition and Develop.	800,000	1,500,000	1,000,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	6,800,000
Playground Renovations CFMP	100,000	0	0	0	0	0	0	0	0	0	100,000
Public Pools	27,000	0	0	0	0	0	0	0	0	0	27,000
Soft Surface Trails	60,000	0	0	0	0	0	0	0	0	0	60,000
Water Management & Irrigation	68,000	0	0	0	0	0	0	0	0	0	68,000
Waterfront Parks CFMP	25,000	0	0	0	0	0	0	0	0	0	25,000

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Prior Year/Close-Out											
Stormwater Management											
Stream & Channel Maintenance	150,000	0	0	0	0	0	0	0	0	0	150,000
Transportation											
DASH Bus Fleet Replacements	500,000	0	0	0	0	0	0	0	0	0	500,000
Private Contributions											
Recreation & Parks											
Chinquapin Aquatics Center	0	2,500,000	0	0	0	0	0	0	0	0	2,500,000
Community Matching Fund	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	950,000
Potomac Yard Park Basketball Court Lights	75,000	0	0	0	0	0	0	0	0	0	75,000
Private Contributions Total	125,000	2,600,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	3,525,000
Sanitary Sewer Fees											
Sanitary Sewers											
Combined Sewer Separation Projects	700,000	300,000	200,000	200,000	600,000	200,000	200,000	600,000	200,000	200,000	3,400,000
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
Reconstructions & Extensions of Sanitary Sewers	900,000	400,000	500,000	500,000	100,000	500,000	500,000	100,000	500,000	500,000	4,500,000
Sanitary Sewer Fees Total	1,900,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	10,900,000
State Revenue Sharing											
Transportation											
Street Reconstruction & Resurfacing of Major Roads	2,425,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	15,925,000
State Revenue Sharing Total	2,425,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	15,925,000
State/Federal Grants											
Transportation											
Capital Bikeshare	675,000	699,313	368,174	402,000	350,000	0	0	0	0	0	2,494,487
Citywide Trans. Mgmt. Tech. - Broadband TSA Communications Link	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	0	7,000,000	0	0	0	0	0	0	0	0	7,000,000
Old Cameron Run Trail	0	2,095,000	6,000,000	0	0	0	0	0	0	0	8,095,000
Transit Corridor "C" - West End Transitway	0	20,000,000	20,000,000	10,660,000	0	0	0	0	0	0	50,660,000
Van Dorn/Beauregard Bicycle Facilities	0	0	250,000	1,171,000	0	0	0	0	0	0	1,421,000
State/Federal Grants Total	1,675,000	29,794,313	26,618,174	12,233,000	350,000	0	0	0	0	0	70,670,487

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
TIP											
Transportation											
Citywide Parking - Parking Study	150,000	0	0	0	0	0	0	0	0	0	150,000
Citywide Trans. Mgmt. Tech. - Transportation Technologies	175,000	250,000	250,000	0	0	0	0	250,000	0	0	925,000
EW & LVD Implementation - High Street Design/Engineering	0	0	0	0	0	0	500,000	0	0	0	500,000
Street Reconstruction & Resurfacing of Major Roads	0	0	0	0	0	0	700,000	1,000,000	1,000,000	1,000,000	3,700,000
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	0	200,000	300,000	0	0	0	0	0	0	0	500,000
WMATA Capital Contributions	1,100,000	750,000	750,000	500,000	1,100,000	250,000	0	0	0	0	4,450,000
TIP Total	1,425,000	1,200,000	1,300,000	500,000	1,100,000	250,000	1,200,000	1,250,000	1,000,000	1,000,000	10,225,000
VTIB State Loan											
Transportation											
Potomac Yard Metrorail Station	50,000,000	0	0	0	0	0	0	0	0	0	50,000,000
VTIB State Loan Total	50,000,000	0	0	0	0	0	0	0	0	0	50,000,000
Total	379,496,452	177,075,674	173,270,152	167,386,478	109,207,808	147,770,781	125,934,793	124,272,846	94,180,941	84,029,076	1,582,625,001

Table 4
Proposed FY 2017 - 2026 Capital Improvement Program
Debt Service Indicators

Table 4 Debt Service Indicators					
	Total Debt Service	Outstanding Debt	General Government Expenditures (1)	Assessed Value of Real Property (Thousands of Dollars) (2)	Personal Income (Thousands of Dollars) (3)
FY 2003	$17,739,094	$143,615,000	$488,044,085	$19,225,926	$7,165,859
FY 2004	$18,938,838	$197,520,000	$516,275,303	$22,757,185	$7,435,257
FY 2005	$22,938,317	$241,890,000	$545,688,442	$27,359,650	$7,776,966
FY 2006	$27,101,086	$296,540,000	$623,774,871	$32,906,719	$8,835,057
FY 2007	$31,232,166	$278,525,000	$689,280,260	$35,554,958	$9,507,531
FY 2008	$30,775,390	$260,350,000	$688,844,141	$35,102,817	$10,204,006
FY 2009	$32,412,775	$383,950,000	$720,924,777	$33,964,198	$10,178,071
FY 2010	$34,844,533	$364,485,000	$705,338,251	$31,649,490	$10,441,443
FY 2011	$38,735,420	$415,720,000	$722,966,982	$32,631,952	$10,627,334
FY 2012	$43,438,079	$459,060,000	$735,769,542	$33,782,698	$11,487,213
FY 2013	$48,571,714	$508,700,000	$763,516,075	$34,725,071	$11,842,827
FY 2014	$57,029,259	$539,780,000	$820,080,010	$35,895,604	$12,071,581
FY 2015	$61,515,268	$540,495,000	$833,085,075	$37,146,860	$12,252,929
FY 2016	$63,548,772	$500,826,453	$870,245,018	$38,195,319	$11,789,823
FY 2017	$69,073,431	$748,502,468	$1,157,332,078	$39,341,179	$11,996,145
FY 2018	$78,362,098	$799,687,655	$978,923,218	$40,521,414	$12,236,068
FY 2019	$91,833,921	$811,594,318	$998,496,288	$41,737,056	$12,541,969
FY 2020	$95,887,097	$821,236,423	$1,019,151,693	$42,989,168	$12,918,228
FY 2021	$97,637,896	$822,509,749	$988,228,230	$44,278,843	$13,338,071
FY 2022	$103,800,318	$853,880,530	$1,052,754,527	$45,607,208	$13,804,903
FY 2023	$109,653,877	$872,001,380	$1,057,663,653	$46,975,425	$14,288,075
FY 2024	$111,930,943	$879,940,545	$1,083,801,993	$48,384,687	$14,788,158
FY 2025	$117,980,544	$872,589,013	$1,083,374,662	$49,836,228	$15,305,743
FY 2026	$118,314,118	$855,052,890	$1,104,484,532	$51,331,315	$15,841,444

(1) General Government expenditures are FY 2016 are based on long range forecast
(2) Presented on a calendar year basis. Future growth assumes a 3.0% increase annually.
(3) Personal income numbers through FY 2015 taken from the Bureau of Economic Analysis.

Table 4 (Continued)
Proposed FY 2017 - 2026 Capital Improvement Program
Debt Service Indicators

Table 4 Debt Service Indicators Indicators Exclude Exempt Sanitary Sewer Debt & Include Potomac Yard Debt			
Fiscal Year	Ratio of Debt Service to General Government Expenditures (1)	Outstanding Debt as a Percentage of Assessed Value of Real Property (2)	Debt as a Percentage of Total Personal Income (3)
Ceiling	10.0%	1.6%	4.5%
Target	8.0%	1.1%	3.2%
FY 2003	3.6%	0.8%	2.0%
FY 2004	3.7%	0.9%	2.7%
FY 2005	4.2%	0.9%	3.1%
FY 2006	4.3%	0.9%	3.4%
FY 2007	4.5%	0.8%	2.9%
FY 2008	4.5%	0.7%	2.6%
FY 2009	4.5%	1.1%	3.8%
FY 2010	4.9%	1.2%	3.5%
FY 2011	5.3%	1.3%	3.9%
FY 2012	5.7%	1.4%	4.1%
FY 2013	5.8%	1.5%	4.3%
FY 2014	7.6%	1.5%	4.4%
FY 2015	7.7%	1.4%	4.2%
FY 2016	7.3%	1.3%	4.2%
FY 2017	6.0%	1.9%	6.2%
FY 2018	8.0%	2.0%	6.5%
FY 2019	9.2%	1.9%	6.5%
FY 2020	9.4%	1.9%	6.4%
FY 2021	9.9%	1.9%	6.2%
FY 2022	9.9%	1.9%	6.2%
FY 2023	10.4%	1.9%	6.1%
FY 2024	10.3%	1.8%	6.0%
FY 2025	10.9%	1.8%	5.7%
FY 2026	10.7%	1.7%	5.4%

(1) General Government expenditures are FY 2016 are based on long range forecast
(2) Presented on a calendar year basis. Future growth assumes a 3.0% increase annually.
(3) Personal income numbers through FY 2015 taken from the Bureau of Economic Analysis.

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 23, 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, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$43,300,000	$20,685,889	$63,985,889
FY 2018	$43,085,000	$18,970,643	$62,055,643
FY 2019	$42,845,000	$17,216,794	$60,061,794
FY 2020	$40,710,000	$15,499,661	$56,209,661
FY 2021	$37,905,000	$13,960,944	$51,865,944
FY 2022	$35,020,000	$12,290,024	$47,310,024
FY 2023	$35,035,000	$10,802,645	$45,837,645
FY 2024	$31,815,000	$9,348,365	$41,163,365
FY 2025	$31,670,000	$8,081,735	$39,751,735
FY 2026	$29,560,000	$6,885,558	$36,445,558
FY 2027	$26,380,000	$5,784,848	$32,164,848
FY 2028	$26,290,000	$4,667,292	$30,957,292
FY 2029	$26,205,000	$3,558,166	$29,763,166
FY 2030	$23,210,000	$2,511,290	$25,721,290
FY 2031	$18,410,000	$1,629,015	$20,039,015
FY 2032	$14,010,000	$1,011,540	$15,021,540
FY 2033	$10,255,000	$573,562	$10,828,562
FY 2034	$2,965,000	$204,856	$3,169,856
FY 2035	$2,960,000	$111,471	$3,071,471
FY 2036	$1,080,000	$17,550	$1,097,550
TOTAL	$522,710,000	$153,811,846	$676,521,846

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

Table 6. City of Alexandria, VA GENERAL OBLIGATION REFUNDING BOND ISSUE OF $10.595 MILLION (July 2015) Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$985,000	$222,220	$1,207,220
FY 2018	$960,000	$208,290	$1,168,290
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	$10,595,000	$1,428,103	$12,023,103

Table 7. City of Alexandria, VA GENERAL OBLIGATION BOND ISSUE OF $23.215 MILLION (July 2015) Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$1,165,000	$955,450	$2,120,450
FY 2018	$1,165,000	$897,200	$2,062,200
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	$23,215,000	$8,773,919	$31,988,919

Table 8. City of Alexandria, VA GENERAL OBLIGATION REFUNDING BOND ISSUE OF $33.995 MILLION (April 2015) Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$385,000	$618,310	$1,003,310
FY 2018	$395,000	$611,057	$1,006,057
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	$33,435,000	$5,280,587	$38,715,587

Table 9. City of Alexandria, VA GENERAL OBLIGATION BOND ISSUE OF $35.995 MILLION (November 2014) Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$1,800,000	$1,193,690	$2,993,690
FY 2018	$1,800,000	$1,157,690	$2,957,690
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	$34,195,000	$12,237,860	$46,432,860

Table 10. City of Alexandria, VA GENERAL OBLIGATION REFUNDING BOND ISSUE OF $18.635 MILLION (March 2014) Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$3,180,000	$119,300	$3,299,300
FY 2018	$3,050,000	$87,500	$3,137,500
FY 2019	$2,915,000	$57,000	$2,972,000
FY 2020	$2,785,000	$27,850	$2,812,850
TOTAL	$11,930,000	$291,650	$12,221,650

Table 11. City of Alexandria, VA GENERAL OBLIGATION BOND ISSUE OF $63.800 MILLION (July 2013) Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$3,305,000	$2,561,600	$5,866,600
FY 2018	$3,305,000	$2,396,350	$5,701,350
FY 2019	$3,305,000	$2,231,100	$5,536,100
FY 2020	$3,305,000	$2,065,850	$5,370,850
FY 2021	$3,305,000	$1,900,600	$5,205,600
FY 2022	$3,305,000	$1,735,350	$5,040,350
FY 2023	$3,305,000	$1,570,100	$4,875,100
FY 2024	$3,305,000	$1,404,850	$4,709,850
FY 2025	$3,305,000	$1,272,650	$4,577,650
FY 2026	$3,305,000	$1,140,450	$4,445,450
FY 2027	$3,305,000	$1,008,250	$4,313,250
FY 2028	$3,305,000	$876,050	$4,181,050
FY 2029	$3,305,000	$743,850	$4,048,850
FY 2030	$3,305,000	$595,125	$3,900,125
FY 2031	$3,305,000	$446,400	$3,751,400
FY 2032	$3,305,000	$297,675	$3,602,675
FY 2033	$3,310,000	$148,950	$3,458,950
TOTAL	$56,190,000	$22,395,200	$78,585,200

Table 12. City of Alexandria, VA GENERAL OBLIGATION REFUNDING BOND ISSUE OF $17.335 MILLION (July 2012) Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$3,005,000	$570,000	$3,575,000
FY 2018	$2,980,000	$449,800	$3,429,800
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	$17,005,000	$3,000,100	$20,005,100

Table 13. City of Alexandria, VA GENERAL OBLIGATION BOND ISSUE OF $76.820 MILLION (July 2012) Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$4,000,000	$2,847,725	$6,847,725
FY 2018	$4,000,000	$2,647,725	$6,647,725
FY 2019	$4,000,000	$2,447,725	$6,447,725
FY 2020	$4,000,000	$2,247,725	$6,247,725
FY 2021	$4,000,000	$2,047,725	$6,047,725
FY 2022	$4,000,000	$1,847,725	$5,847,725
FY 2023	$4,000,000	$1,647,725	$5,647,725
FY 2024	$3,980,000	$1,447,725	$5,427,725
FY 2025	$3,980,000	$1,248,725	$5,228,725
FY 2026	$3,980,000	$1,089,525	$5,069,525
FY 2027	$3,980,000	$930,325	$4,910,325
FY 2028	$3,980,000	$771,125	$4,751,125
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	$67,800,000	$23,082,150	$90,882,150

Table 14. City of Alexandria, VA GENERAL OBLIGATION REFUNDING BOND ISSUE OF $63.625 MILLION (April 2012) Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$5,715,000	$2,217,800	$7,932,800
FY 2018	$5,690,000	$1,989,200	$7,679,200
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	$51,860,000	$9,112,100	$60,972,100

Table 15. City of Alexandria, VA GENERAL OBLIGATION BOND ISSUE OF $65.950 MILLION (July 2011) Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$3,765,000	$2,233,344	$5,998,344
FY 2018	$3,765,000	$2,045,093	$5,810,093
FY 2019	$3,765,000	$1,856,843	$5,621,843
FY 2020	$3,765,000	$1,722,716	$5,487,716
FY 2021	$3,765,000	$1,640,356	$5,405,356
FY 2022	$3,760,000	$1,522,800	$5,282,800
FY 2023	$3,760,000	$1,353,600	$5,113,600
FY 2024	$3,760,000	$1,203,200	$4,963,200
FY 2025	$3,760,000	$1,085,700	$4,845,700
FY 2026	$3,760,000	$963,500	$4,723,500
FY 2027	$3,760,000	$827,200	$4,587,200
FY 2028	$3,760,000	$676,800	$4,436,800
FY 2029	$3,760,000	$526,400	$4,286,400
FY 2030	$3,760,000	$376,000	$4,136,000
FY 2031	$3,760,000	$225,600	$3,985,600
FY 2032	$3,760,000	$75,200	$3,835,200
TOTAL	$60,185,000	$18,334,352	$78,519,352

Table 16. City of Alexandria, VA GENERAL OBLIGATION BOND ISSUE OF $17.000 MILLION-A (July 2010)* Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$3,700,000	$74,000	$3,774,000
TOTAL	$3,700,000	$74,000	$3,774,000

* Tax-exempt portion of bond issuance

Table 17. City of Alexandria, VA BUILD AMERICA BOND ISSUE OF $55.300 MILLION-B (July 2010)* Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$0	$2,514,900	$2,514,900
FY 2018	$3,700,000	$2,448,300	$6,148,300
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	$2,007,075	$5,707,075
FY 2022	$3,700,000	$1,853,525	$5,553,525
FY 2023	$3,700,000	$1,693,500	$5,393,500
FY 2024	$3,700,000	$1,528,850	$5,228,850
FY 2025	$3,700,000	$1,360,500	$5,060,500
FY 2026	$3,700,000	$1,186,600	$4,886,600
FY 2027	$4,400,000	$988,900	$5,388,900
FY 2028	$4,400,000	$770,000	$5,170,000
FY 2029	$4,400,000	$550,000	$4,950,000
FY 2030	$4,400,000	$330,000	$4,730,000
FY 2031	$4,400,000	$110,000	$4,510,000
TOTAL	$55,300,000	$21,809,550	$77,109,550

* Build America Bond portion of issuance; payment schedule does not reflect the Federal B.A.B subsidy

Table 18. City of Alexandria, VA BUILD AMERICA BOND ISSUE OF $44.500 MILLION-B (June 2009)* Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$0	$2,380,250	$2,380,250
FY 2018	$0	$2,380,250	$2,380,250
FY 2019	$0	$2,380,250	$2,380,250
FY 2020	$0	$2,380,250	$2,380,250
FY 2021	$4,100,000	$2,280,825	$6,380,825
FY 2022	$4,100,000	$2,078,900	$6,178,900
FY 2023	$4,100,000	$1,871,850	$5,971,850
FY 2024	$4,100,000	$1,660,700	$5,760,700
FY 2025	$4,100,000	$1,445,450	$5,545,450
FY 2026	$4,800,000	$1,207,200	$6,007,200
FY 2027	$4,800,000	$945,600	$5,745,600
FY 2028	$4,800,000	$679,200	$5,479,200
FY 2029	$4,800,000	$409,200	$5,209,200
FY 2030	$4,800,000	$136,800	$4,936,800
TOTAL	$44,500,000	$22,236,725	$66,736,725

* Build America Bond portion of issuance; payment schedule does not reflect the Federal B.A.B subsidy

Table 19. City of Alexandria, VA GENERAL OBLIGATION BOND ISSUE OF $35.200 MILLION-A (June 2009)* Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$4,100,000	$553,500	$4,653,500
FY 2018	$4,100,000	$410,000	$4,510,000
FY 2019	$4,100,000	$246,000	$4,346,000
FY 2020	$4,100,000	$82,000	$4,182,000
TOTAL	$16,400,000	$1,291,500	$17,691,500

*Tax-exempt portion of bond issuance

Table 20. City of Alexandria, VA GENERAL OBLIGATION BOND ISSUE OF $58.000 MILLION- A (July 2008)* Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$3,100,000	$612,250	$3,712,250
FY 2018	$3,100,000	$457,250	$3,557,250
FY 2019	$3,100,000	$317,750	$3,417,750
FY 2020	$3,100,000	$193,750	$3,293,750
FY 2021	$3,100,000	$131,750	$3,231,750
TOTAL	$15,500,000	$1,712,750	$17,212,750

*Tax-exempt portion of bond issuance

Table 21. City of Alexandria, VA GENERAL OBLIGATION BOND ISSUE OF $5.000 MILLION- B (July 2008)* Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$250,000	$32,500	$282,500
FY 2018	$250,000	$19,688	$269,688
FY 2019	$250,000	$6,563	$256,563
TOTAL	$750,000	$58,751	$808,751

*Taxable portion of bond issuance for Glebe Park housing project

Table 22. City of Alexandria, VA GENERAL OBLIGATION BOND ISSUE OF $22.800 MILLION - A (May 2007)* Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$2,845,000	$679,050	$3,524,050
FY 2018	$2,825,000	$565,250	$3,390,250
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	$14,150,000	$2,092,550	$16,242,550

*Tax exempt bond issuance refinanced prior City bond issuance

Table 23. City of Alexandria, VA GENERAL OBLIGATION BOND ISSUE OF $34.000 MILLION (January 1999) *Debt Outstanding at June 30, 2016			
Fiscal Year	Principal	Interest	Total
FY 2017	$2,000,000	$300,000	$2,300,000
FY 2018	$2,000,000	$200,000	$2,200,000
FY 2019	$2,000,000	$100,000	$2,100,000
TOTAL	$6,000,000	$600,000	$6,600,000

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CAPITAL PROJECT DETAILS

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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 Proposed FY 2017 - 2026 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.

Supporting Department(s) – Identifies agencies providing project support to the managing department.

ORG – Organizational Cost Account, for accounting purposes.

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.

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 2016, and then planned funding for FY 2017 – 2026. Each project also provides details on the specific funding sources used to finance the project.

Recreation Centers Capital Facilities Maintenance Program (CFMP)													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	10,821,040	3,821,040	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	7,000,000
Financing Plan													
Prior City Funding	3,121,040	*3,121,040*											
Cash Capital	3,580,000	*280,000*	150,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,300,000
GO Bonds	4,000,000	*300,000*	550,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,700,000
Prior Year/Close-Out - City	120,000	*120,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	10,821,040	3,821,040	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	7,000,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0
Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year CIP.													

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

Linking to the City's Strategic Plan & Budget Guidance

Relevant information to link the project to the City's Strategic Plan and the City Manager's Budget Guidance is contained in the table on the right hand side of each page. Each table contains:

- Primary Strategic Plan Goal, with the goal listed tied to the spreadsheet in the Expenditure Summary Section.
- Focus Area in Budget Guidance and Long-Term Outcomes as developed by the Office of Performance Accountability (OPA) and City staff.
- External or Internal Adopted Plan or Recommendation (if applicable)
- Explanation of additional operating impact corresponding to the numbers in the financial (budget) information table.

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. The funding source for the additional impact is also identified.

ALEXANDRIA CITY PUBLIC SCHOOLS (ACPS)

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

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Alexandria City Public Schools (ACPS)
City Manager's Proposed FY 2017 – FY 2026 Capital Improvement Program (CIP)

Overview

The City Manager's Proposed FY 2017 – 2026 Capital Improvement Program (CIP), includes funding over ten-years for Alexandria City Public Schools (ACPS), totaling $265.7 million, including $35.9 million in FY 2017. This represents $3.9 million more for FY 2017 than included in the current Adopted City CIP. The ACPS School Board adopted their own ten-year CIP on December 8, 2015 which totaled $291.2 million – $25.5 million more than this City Manager Proposed 10-Year CIP.

As the City sets budget authority in each year of the ten-year plan, the City Manager's Proposed CIP represents the planned level of capital investments being made in ACPS facilities. The ACPS Approved FY 2017 – 2026 CIP is summarized on the next pages and is included for informational purposes to demonstrate the differences between the ten-year plans. City Council and the School Board (along with respective staffs) will continue to work through those differences in the coming fiscal years.

The information that follows provides details on the School Board Adopted CIP as compared to the City Manager Proposed CIP. The ACPS School Board Adopted CIP is included for informational purposes only, and represents the requested financial commitment to capital infrastructure over the ten-year plan. The actual financial commitment being recommended is represented in the City Manager proposed totals.

FY 2017 Capital Year Budget

The City Manager Proposed FY 2017 capital year budget totals $35.9 million in new funding. This funding level is $3.9 million more than previously planned, but $8.3 million less than what ACPS requested for FY 2017 in the School Board Adopted FY 2017 – 2026 CIP. The City Manager is recommending that the timing of the $8.3 million in ACPS Approved CIP projects for the proposed Pre-K leased facility build-out costs be reconsidered. Consideration of funding this Pre-K facility for FY 2018 will allow more time for specific administrative and programmatic details to be discussed and determined.

ACPS has identified a number of capital projects in FY 2017. Other than the Pre-K facility, the $35.9 million included in this City Manager Proposed CIP is sufficient to fund the entire list below.

- $16.1 million to retrofit a leased space to accommodate additional west end elementary school capacity;
- $4.8 million to conduct design and project management work to renovate T.C. Williams Minnie Howard Campus and add 10 classrooms to the facility
- $4.5 million for renovations and capacity projects at James K. Polk;
- $1.6 million for system-wide and specific school site capital improvements related to existing facility infrastructure;
- $0.26 million for exterior playgrounds and sports related facilities;
- $0.09 million for stormwater improvements; and
- $8.3 million to retrofit a leased space for a pre-school center (funding not included in this City Manager Proposed CIP).

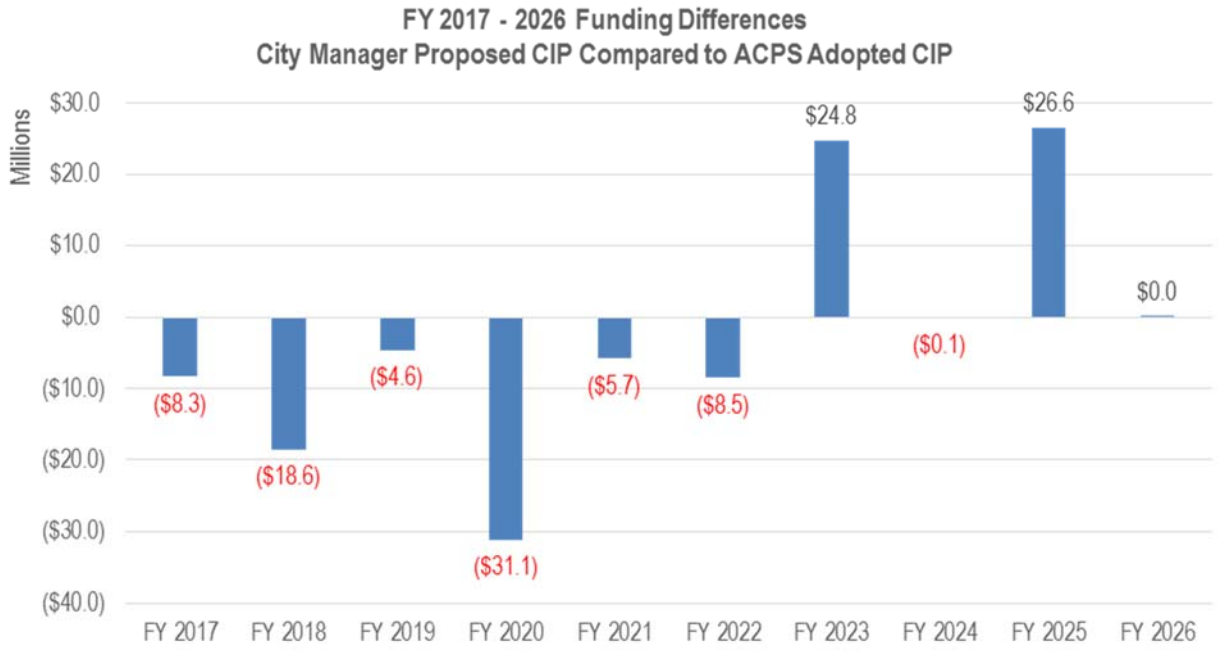
A detailed list of all FY 2017 ACPS capital projects can be found on the next page.

FY 2017 Capital Year Budget Alexandria City Public Schools		
School/Facility	Project	FY 2017 Budget
Building System Upgrades	Access Control And Security Management	$ 100,000
	Master Key System Replacement	$ 50,000
Capacity	Soft And Hard Costs For Retrofitting A Leased Space For Pre-School	$ 8,262,000
	Soft And Hard Costs For Retrofitting A Leased Space For West End Elementary Capa	$ 16,065,000
Charles Barrett	Hvac Repair Or Replacement	$ 225,000
	Roof Repair Or Replacement	$ 794,002
Francis C. Hammond	Hvac Repair Or Replacement	$ 417,596
	Interior Acoustics/Lighting	$ 25,142
	Interior Painting	$ 24,100
	Water Heaters/Boilers Repair/Replace	$ 133,820
Furniture, Fixtures & Equip.	Furniture, Fixtures & Equip.	$ 150,000
George Washington	Ceiling Repair/Replace	$ 655,505
	Hvac Repair Or Replacement	$ 695,056
	Storm Water Management	$ 24,000
	Water Heaters/Boilers Repair/Replace	$ 16,709
James K. Polk	Construction Of Renovation & Capacity	$ 4,532,298
	Exterior Playgrounds Or Sports Areas	$ 115,000
	Hvac Repair Or Replacement	$ 12,600
	Roof Repair Or Replacement	$ 280,442
	Storm Water Management	$ 43,000
John Adams	Exterior Playgrounds Or Sports Areas	$ 115,000
	Installed Equipment Repair/Replace	$ 46,680
	Interior Renovation And Reconfigurations	$ 67,433
Lyles-Crouch	Hvac Repair Or Replacement	$ 17,890
	Interior Renovation And Reconfigurations	$ 142,757
	Roof Repair/Replacement	$ 243,799
Matthew Maury	Building Envelope Repair	$ 95,867
	Roof Repair/Replacement	$ 1,554,276
Mount Vernon	Ceiling Repair/Replace	$ 15,895
	Hvac Repair Or Replacement	$ 10,350
	Mt Vernon Playground Initiative	$ 100,000
Rowing Facility	Elevator Repair/Replacement	$ 90,000
	Hvac Repair Or Replacement	$ 11,156
Samuel Tucker	Hvac Repair Or Replacement	$ 231,332
	Site Hardscape Repair/Replacement	$ 18,011
School buses and vehicles	School Bus New	$ 810,000
	School Bus Replacement	$ 900,000
	School Vehicle Replacement	$ 98,000
System-Wide	Asbestos/Lead Paint Remediation	$ 65,000
	Code Compliance Requirements	$ 50,000
	Emergency Repairs	$ 500,000
	Hvac Repair Or Replacement	$ 200,000
	Project Planning	$ 650,000
	Renovations & Reconfigurations	$ 125,000
	Site Hardscape Repair/Replacement	$ 20,000
T.C. Williams King Street Campus	Building Envelope Repair	$ 71,403
	Furniture, Fixtures & Equip.	$ 10,000
	Hvac Repair Or Replacement	$ 85,786
	Interior Acoustics/Lighting	$ 77,715
	Interior Painting	$ 18,142
	Interior Renovation And Reconfigurations	$ 15,318
	Interior Walls Modify/Repair/Replace	$ 144,135
	Storm Water Management	$ 24,000
T.C. Williams: Minnie Howard Cam	Design, Project Management & Other Soft Costs	$ 4,832,585
William Ramsay	Building Infrastructure Repairs	$ 56,000
	Exterior Playgrounds Or Sports Areas	$ 25,000
	Hvac Repair Or Replacement	$ 33,750
	TOTAL, FY 2017 Projects	$ 44,193,550
	TOTAL, FY 2017 Proposed City Capital Appropriation to ACPS	$ 35,935,000
	Gap Between ACPS CIP and City Proposed CIP, FY 2017	$ (8,258,550)

FY 2017 – 2026 City Manager Proposed CIP Compared to the School Board Adopted CIP

As discussed in the Overview section, the City Manager Proposed FY 2017 – 2026 CIP includes $265.7 million for ACPS, whereas the School Board adopted a ten-year plan with requests totaling $291.2 million. While the funding gap between the two plans is overall $25.4 million, ACPS has requested $68.2 million more than the City Manager proposed for FY 2017 – 2021, while the City Manager proposed $42.8 million more than ACPS requested in FY 2022 – 2026. The table and bar graph below provide information on the differences of the two plans.

Capital Improvement Program	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
City Manager Proposed FY 2017 - 2026 CIP	$ 35,935,000	$ 32,500,000	$ 31,900,000	$ 14,875,000	$ 15,000,000
School Board Approved FY 2017 - 2026 CIP	$ 44,193,550	$ 51,107,183	$ 36,450,800	$ 45,945,960	$ 20,731,294
Difference: City Proposed - School Board	$ (8,258,550)	$(18,607,183)	$ (4,550,800)	$(31,070,960)	$ (5,731,294)
Capital Improvement Program	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
City Manager Proposed FY 2017 - 2026 CIP	$ 22,900,000	$ 37,000,000	$ 37,400,000	$ 29,000,000	$ 9,220,000
School Board Approved FY 2017 - 2026 CIP	$ 31,370,955	$ 12,205,487	$ 37,542,635	$ 2,412,000	$ 9,216,753
Difference: City Proposed - School Board	$ (8,470,955)	$ 24,794,513	$ (142,635)	$ 26,588,000	$ 3,247
City Manager Proposed FY 2017 - 2026 CIP	$ 265,730,000				
School Board Approved FY 2017 - 2026 CIP	$ 291,176,617				
Difference	$ (25,446,617)				



Due to the significant differences in the timing of the ACPS request compared to City funding, further work between the City and Schools will need to occur in the coming months with the goal that a specific financial plan would be in place by the fall of 2016.

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COMMUNITY DEVELOPMENT

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Community Development
Proposed FY 2017 – 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Community Development											
City-Wide Amenities											
Gadsby Lighting Fixtures & Poles Replacement	0	0	75,000	0	75,000	0	75,000	0	75,000	0	300,000
Public Art Acquisition	330,000	380,000	400,000	450,000	500,000	550,000	550,000	550,000	550,000	550,000	4,810,000
Public Art Conservation Program	15,000	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	217,500
Transportation Signage & Wayfinding System	400,000	515,000	361,000	432,000	241,000	0	0	0	0	0	1,949,000
Neighborhood Planning											
Braddock Road Area Plan - Streetscape Improvements	0	0	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	315,000
EW & LVD Implementation - Air Quality Modeling Analysis Near Metro	75,000	0	0	0	0	0	0	0	0	0	75,000
EW & LVD Implementation - Infrastructure Plan	500,000	0	0	0	0	0	0	0	0	0	500,000
Waterfront Small Area Plan Implementation (w/ Construction Funding)	975,000	5,800,000	7,250,000	2,520,000	5,200,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	63,635,000
Public Safety Enhancements											
Citywide Street Lighting	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
Fire Department SCBA Replacement	0	0	0	0	0	0	0	0	0	3,500,000	3,500,000
Fire Department Vehicles & Apparatus	1,378,000	874,000	2,852,000	3,446,000	2,009,000	2,583,000	2,500,000	4,000,000	2,000,000	2,500,000	24,142,000
Police Body-Worn Cameras (BWC's)	0	TBD	TBD	0	0	0	0	0	0	0	0
Waterways Maint. & Imprv.											
Environmental Restoration	0	0	150,000	0	150,000	0	150,000	0	150,000	0	600,000
Four Mile Run Stream Restoration	0	0	0	0	0	0	0	0	0	0	0
Oronoco Outfall Remediation Project	2,500,000	0	0	0	0	0	0	0	0	0	2,500,000
Total	6,173,000	7,616,500	11,135,500	6,940,500	8,267,500	14,565,500	10,937,500	6,222,500	15,537,500	15,372,500	102,768,500

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Public Art Acquisition

Document Subsection: City-Wide Amenities
Managing Department: Recreation, Parks, and Cultural Activities
Supporting Department(s): N/A
ORG: 44802219

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	5,110,000	*300,000*	330,000	380,000	400,000	450,000	500,000	550,000	550,000	550,000	550,000	550,000	4,810,000
Financing Plan													
Prior City Funding	300,000	*300,000*											0
Cash Capital	4,250,000	*0*	250,000	300,000	350,000	400,000	450,000	500,000	500,000	500,000	500,000	500,000	4,250,000
Developer Contributions	560,000	*0*	80,000	80,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	560,000
Total Financing Plan	5,110,000	*300,000*	330,000	380,000	400,000	450,000	500,000	550,000	550,000	550,000	550,000	550,000	4,810,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding increased overall by $2.2 million to reflect developer contributions and the appropriate level of City matching funds.

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.

Upcoming FY17-19 projects include:
Lake Cook: Integrate public art into the restoration of Lake Cook. Collaboration with T&ES and DPI
Warwick Pool: Integrate public art into the restoration of Warwick Pool.
Trails & Paths: Develop artist-designed infrastructure and/or art installations in focused areas of the multi-use path system throughout Alexandria. Collaboration with T&ES
Fitzgerald Square: 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.

Collaboration with DPI, T&ES, P&Z, ACVA, AEDP
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. Collaboration with OHA.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 7 – Caring Community

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase the economic benefits of tourism to the City
- Promote neighborhoods that are inclusive and diverse

Focus Area: Accountable, Effective, & Well-Managed Government
- Achieve results the community values

External or Internal Adopted Plan or Recommendation

- 2011, 2013 and 2015 Recreation, Parks and Cultural Activities Needs Assessments
- Waterfront Small Area Plan, 2012
- Beauregard Small Area Plan, 2012
- Citywide Parks Implementation Plan, 2014
  2014 Public Art Implementation Plan and related Public Art Policy

Additional Operating Budget Impact

As the City begins to acquire additional art, additional funding for routine and preventive maintenance will be necessary. Further operating impacts will need to be determined on a case-by-case basis for each piece of public art acquired.

Public Art Conservation Program

Document Subsection: City-Wide Amenities
Managing Department: Recreation, Parks and Cultural Activities
Supporting Department(s): N/A
ORG: 44801640

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	327,500	*110,000*	15,000	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	217,500
Financing Plan													
Prior City Funding	95,000	*95,000*											0
Cash Capital	232,500	*15,000*	15,000	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	217,500
Total Financing Plan	327,500	*110,000*	15,000	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	217,500
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year 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 insure the long term preservation and viability of the City's art investments.

Conservation and maintenance activities include examination, documentation, restoration/repair, relocation, and stabilization. Preventative maintenance (such as cleaning) will be addressed through the operating budget.

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 2017 will address assets identified in poor condition.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 7 – Caring Community

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase the economic benefits of tourism to the City
- Promote neighborhoods that are inclusive and diverse

Focus Area: Accountable, Effective, & Well-Managed Government
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- 2011 Recreation, Parks and Cultural Activities Needs Assessment
- Public Arts funding policy approved by City Council, October 2012
- Public Art Conservation Assessment, 2013

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Public Art Conservation Program (continued from previous page)

Fiscal Year 2017		
Description		Amount
King Street Gardens Park	$	15,000
Total Fiscal Year 2017	$	15,000

Fiscal Year 2018		
Description		Amount
Rocky Versace Memorial	$	10,000
Path of Thorns & Roses	$	5,000
Shipbuilder	$	7,500
Total Fiscal Year 2018	$	22,500

Fiscal Year 2019		
Description		Amount
Public Art Conservation Assessment	$	10,000
King Street Gardens Park Renovation	$	12,500
Total Fiscal Year 2019	$	22,500

Transportation Signage and Wayfinding System

Document Subsection: City-Wide Amenities
Managing Department: Transportation & Environmental Services
Supporting Department(s): Planning & Zoning
ORG: 43301599

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	3,069,000	*1,120,000*	400,000	515,000	361,000	432,000	241,000	0	0	0	0	0	1,949,000
Financing Plan													
Prior City Funding	1,120,000	*1,120,000*											0
Cash Capital	1,949,000	*0*	400,000	515,000	361,000	432,000	241,000	0	0	0	0	0	1,949,000
Total Financing Plan	3,069,000	*1,120,000*	400,000	515,000	361,000	432,000	241,000	0	0	0	0	0	1,949,000
Additional Operating Impact													
Annual Impact			0	0	0	0	25,000	25,750	26,523	27,318	28,138	28,982	161,710
Cumulative Impact			0	0	0	0	25,000	50,750	77,273	104,591	132,728	161,710	161,710

Changes from Prior Year CIP: Funding in FY 2017 increased by $200,000. Funding for FY 2018 - FY 2021 remains unchanged from prior CIP.

Project Description & Justification

This project provides for the comprehensive design of a signage, wayfinding, and identity 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, 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 is recommended for implementation.

The completed and planned project implementation schedule, including estimated cost and timeline for completion, is provided on the next page.

Based upon the OTAPS recommendations, $200,000 in Old Town parking wayfinding signage has been added in FY 2017.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase the economic benefits of tourism to the City
- Ensure Alexandria supports, retains, and attracts businesses
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy

External or Internal Adopted Plan or Recommendation

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

Additional Operating Budget Impact

As part of the FY 2015 Operating Budget, a 0.5 FTE position was added in T&ES to support this, and other, transportation related projects, paid through the TIP. Those costs are now part of the FY 2016 operating budget and not reflected in the table above. Beginning FY 2021, $25,000 is planned annually to replace signs and kiosks on an as-needed basis through General Fund sources.

Transportation Signage and Wayfinding System (Continued)

Phase 1 - Parking signs in Old Town ($100,000, FY 2010) – Completed original plans. Additional signs to be added ($200,000, FY 2017)

Phase 2 - Old Town visitor kiosks, pedestrian pointers ($295,000, FY 2013) – Planning complete; fabrication and installation in late summer 2015

Phase 3a - Vehicular signs for primary routes ($225,000, FY 2014 –FY 2016) – Currently in planning phase; fabrication and installation in spring 2016

Phase 3b – Metro station visitor kiosks, highway signs, freestanding interpretive panels ($200,000, FY 2017)

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)

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)

Gadsby Lighting Fixtures and Poles Replacement

Document Subsection: City-Wide Amenities
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 43412208

Project Location: Old Town
Reporting Area: Old Town
Project Category/Priority: 1- Asset Maintenance
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	635,000	*335,000*	0	0	75,000	0	75,000	0	75,000	0	75,000	0	300,000
Financing Plan													
Prior City Funding	185,000	*185,000*											0
Cash Capital	450,000	*150,000*	0	0	75,000	0	75,000	0	75,000	0	75,000	0	300,000
Total Financing Plan	635,000	*335,000*	0	0	75,000	0	75,000	0	75,000	0	75,000	0	300,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding for FY 2017 removed, otherwise no changes from prior CIP.

Project Description & Justification

This project provides funding for the regular replacement of Gadsby lighting fixtures and poles. Poles and fixtures are 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 poles and fixtures. Biennial funding will purchase 12-13 new poles ($10,000), refurbish approximately 20 fixtures ($15,000), and replace approximately 30 fixtures ($50,000).

The City is planning to refurbish the 200 incandescent Gadsby fixtures (River to Washington Street) over two years with equipment capable of replacing them with LED's, while retaining the Gadsby fixtures. The implementation will take place in FY 2016 and FY 2017.

Replacement of these capital assets ensures 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Safe, Secure & Just Community

- Reduce crime

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Waterfront Small Area Plan Implementation

Document Subsection: Neighborhood Planning
Managing Department: Planning & Zoning, Dept. of Project Implementation
Supporting Department(s): Multiple Departments
ORG: 43301600, 50412089

Project Location: Alexandria Waterfront
Reporting Area: Waterfront Plan, Old Town North, Old Town
Project Category/Priority: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	69,003,000	*5,368,000*	975,000	5,800,000	7,250,000	2,520,000	5,200,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	63,635,000
Financing Plan													
Prior City Funding	3,623,000	*3,623,000*											0
TIP - Cash	245,000	*245,000*	0	0	0	0	0	0	0	0	0	0	0
Cash Capital	1,000,000	*1,000,000*	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out - City	500,000	*500,000*	0	0	0	0	0	0	0	0	0	0	0
General Obligation Bonds	63,635,000	*0*	975,000	5,800,000	7,250,000	2,520,000	5,200,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	63,635,000
Total Financing Plan	69,003,000	*5,368,000*	975,000	5,800,000	7,250,000	2,520,000	5,200,000	11,340,000	7,570,000	1,580,000	12,670,000	8,730,000	63,635,000
Additional Operating Impact													
Annual Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: Funding in FY 2017 increased to accommodate Interim Fitzgerald Square project. Developer contributions have been removed from project, as developers have instead provided in-kind contributions that fall outside the scope of this project.

Project Description & Justification

This project provides funding to continue design and engineering tasks associated with implementation of the Alexandria Waterfront Small Area Plan, approved by City Council in January 2012. The requested FY 2016 funding will continue with planning, design and engineering work, building on Phase I of the Waterfront Landscape and Flood Mitigation Design approved in FY 2014 and continued in FY 2015. It will further site engineering, storm water management, permitting, utility design and coordination, etc. Also, feasibility and/or due diligence studies initiated in FY 2015 will be evaluated internally with appropriate recommendations shared with the community for review/input and to City Council for final guidance to staff. These feasibility and/or due diligence studies include assessments related to options for governance, marina operations, programming opportunities and revenues, and the civic building operations. Subject to City Council approval, in FY 2016, the Lower King Street Multi-modal initiative will move towards design and continued implementation of the Union St. Corridor Study recommendations will occur.

Funding is anticipated to come in part from developer contributions and incremental taxes generated by new development along the Waterfront, as described in the adopted Waterfront Small Area Plan. Developer contributions will largely come in the form of in-kind contributions, including dedication of property to the City (such as 226 The Strand); off-site improvements, such as utility undergrounding, and implementation of a street-end garden at Oronoco Street; and a limited set of on-site improvements to land that will be dedicated to the City and ultimately become part of the public waterfront park system.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Livable, Green, & Prospering City
- Increase the value of the real estate tax base
- Increase the economic benefits of tourism
- Promote neighborhoods that are amenity-rich
- Promote neighborhoods that are inclusive and diverse
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure government is accountable to the community
- Ensure the fiscal strength of the City government
- Achieve the results the community values

Focus Area: Safe, Secure & Just Community
- Reduce harm to people or property from disasters

External or Internal Adopted Plan or Recommendation

- Windmill Hill Park Master Plan approved by City Council, April 2003
- 2012 Waterfront Small Area Plan adopted by City Council, February 2012
- Union Street Corridor Study adopted April 2013

Additional Operating Budget Impact – Next Page

Waterfront Small Area Plan Implementation (Continued)

Additional Operating Impacts

Operating impacts will be determined based on specific infrastructure and amenity improvements added when funding is available. When funding for improvements is identified, there will be annual operating impacts associated with stormwater and new parks once those projects are implemented.

Braddock Road Area Plan – Streetscape Improvements

Document Subsection: Neighborhood Planning
Managing Department: Transportation & Environmental Services
Supporting Department(s): Planning & Zoning, Recreation, Parks & Cultural Activities
ORG: TBD

Project Location: Braddock Metro Area
Reporting Area: Braddock Road Metro
Project Category/Priority: 3 – New Facilities
Estimated Useful Life: Varies

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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,152,511	*837,511*	0	0	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	315,000
Financing Plan													
Prior City Funding	135,000	*135,000*											0
Cash Capital	519,000	*204,000*	0	0	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	315,000
Private Capital Contributions	498,511	*498,511*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,152,511	*837,511*	0	0	0	45,000	45,000	45,000	45,000	45,000	45,000	45,000	315,000
Additional Operating Impact													
Annual Impact			5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	57,319
Cumulative Impact			5,000	10,150	15,455	20,918	26,546	32,342	38,312	44,462	50,796	57,319	57,319

Changes from Prior Year CIP: Funding added for FY 2026, otherwise 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. The estimated project cost is $750,000. City funding will be used in conjunction with private (development) capital contributions to fund this project.

Project design is anticipated to be completed in summer 2016. Construction is anticipated to begin in fall 2016.

Overall City investment in the Braddock Area Plan Implementation for streetscape improvement is likely to exceed the amount currently programmed. More detailed cost implications 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Braddock Metro Neighborhood Plan adopted by City Council, March 2008
- Braddock East Master Plan adopted by City Council, October 2008
- Recommendation of the Braddock Implementation Advisory Group, January 2015 on Fayette Street Improvements

Additional Operating Budget Impact

Operating impacts will be determined based on specific infrastructure and amenity improvements added as part of the plan with the funding available. An estimate of $5,000 annually is added in FY 2017 until operating costs are established after completion of the Fayette Street project.

Eisenhower West – Landmark Van Dorn: Detailed Air Quality Monitoring Analysis

Document Subsection: Neighborhood Planning
Managing Department: Transportation & Environmental Services
Supporting Department(s): Planning and Zoning
ORG: TBD

Project Location: Citywide
Reporting Area: Eisenhower West/Landmark/Van Dorn
Project Category/Priority: 3 – New Facilities
Estimated Useful Life: Varies

EW & LVD Implementation - Air Quality Modeling Analysis Near Metro													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	75,000	*0*	75,000	0	0	0	0	0	0	0	0	0	75,000
Financing Plan													
Cash Capital	75,000	*0*	75,000	0	0	0	0	0	0	0	0	0	75,000
Total Financing Plan	75,000	*0*	75,000	0	0	0	0	0	0	0	0	0	75,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0
Changes from Prior Year CIP: This is a new project added for FY 2017.													

Project Description & Justification

Preliminary air quality modeling results revealed possible concerns with future construction of tall buildings near the Covanta facility. In order to more accurately project air quality impacts, this modeling exercise will provide more specific height and dispersion areas and, in coordination with Covanta, identify potential mitigation strategies to reduce impacts or constraints.

First, for the baseline scenario and the worst-case operating load conditions at COVANTA, the EPA-approved AERMOD modeling program will be applied to determine the current impacts in a 3-dimensional view within Covanta's air shed, i.e., as a function of height, distance and direction from the Covanta plant. AERMOD will then be applied iteratively to determine the maximum heights (within one story) for each of the 20 buildings projected for the Van Dorn Metro Center neighborhood, with the objective to maximize the number of building levels (up to the highest planned number of levels) while assuring that at all building levels, ambient concentrations are below or equivalent to the NAAQS (National Ambient Air Quality Standards). Lastly, the most technically-feasible impact mitigation options will be explored for their potential implementation at the Covanta plant.

It is expected that this modeling work will take about four months to complete from the initiation of the project.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

- N/A

Eisenhower West – Landmark Van Dorn: Infrastructure Plan

Document Subsection: Neighborhood Planning
Managing Department: Transportation & Environmental Services
Supporting Department(s): Planning and Zoning
ORG: TBD

Project Location: Citywide
Reporting Area: Eisenhower West/Landmark/Van Dorn
Project Category/Priority: 3 – New Facilities
Estimated Useful Life: Varies

EW & LVD Implementation - Infrastructure Plan													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	500,000	*0*	500,000	0	0	0	0	0	0	0	0	0	500,000
Financing Plan													
Cash Capital	250,000	*0*	250,000	0	0	0	0	0	0	0	0	0	250,000
Prior Year/Close-Out	250,000	*0*	250,000	0	0	0	0	0	0	0	0	0	250,000
Total Financing Plan	500,000	*0*	500,000	0	0	0	0	0	0	0	0	0	500,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017.

Project Description & Justification

In order to achieve the vision for the area encompassed by the Eisenhower West Small Area Plan and Landmark/Van Dorn Corridor Plan, a number of action items are needed to begin implementation. This project initiates analysis to facilitate interdepartmental coordination and efficient use of resources. The Infrastructure Plan Concept Design Phase will require the full survey of both the Eisenhower West and Landmark/Van Dorn area plans, including field investigation of all existing utilities, verification of the right of way, geotechnical investigation, preliminary roadway design plan for the required streets and geometric review of other planned streets, storm water improvements, including water quantity and quality improvements, and design for sewer upgrades.

The widening of the Van Dorn Street bridge analysis will also be part of the plan including consultation with impacted property owners. The plan will ensure that the two area plans are coordinated. It is expected that the Infrastructure Plan will take one year to complete.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

- N/A

Oronoco Outfall Remediation Project

Document Subsection: Waterways Maintenance & Improvements
Managing Department: Transportation & Environmental Services
Supporting Department(s): Project Implementation
ORG: 52411856

Project Location: Oronoco St. from Lee St. to Waterfront
Reporting Area: Waterfront
Project Category/Priority: 2 - Renovations/Existing Assets or Facilities
Estimated Useful Life: 50+ Years

Oronoco Outfall													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	9,261,505	*6,761,505*	2,500,000	0	0	0	0	0	0	0	0	0	2,500,000
Financing Plan													
Prior City Funding	5,535,000	*5,535,000*											0
Cash Capital	794,200	*300,000*	494,200	0	0	0	0	0	0	0	0	0	494,200
GO Bonds	655,800	*0*	655,800										655,800
Prior Year/Close-Out	1,350,000	*0*	1,350,000	0	0	0	0	0	0	0	0	0	1,350,000
Private Capital Contributions	926,505	*926,505*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	9,261,505	*6,761,505*	2,500,000	0	0	0	0	0	0	0	0	0	2,500,000
Additional Operating Impact													
Annual Impact			145,500	150,000	154,000	159,000	163,000	169,000	174,000	179,000	184,400	190,000	1,667,900
Cumulative Impact			145,500	295,500	449,500	608,500	771,500	940,500	1,114,500	1,293,500	1,477,900	1,667,900	1,667,900

Changes from Prior Year CIP: Funding added for FY 2017 to address higher project cost for dredging and capping portions of project.

Project Description & Justification

The Office of Environmental Quality (a division of Transportation & Environmental Services) continues to actively manage environmental impacts associated with the former City owned manufactured gas plant 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 dredging and capping the impacted sediment in the Potomac River around the outfall area and evaluating the area within the boundary of the VRP for health impacts.

Completion of the dredging and capping project will mitigate 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. The dredging and capping was originally planned to be completed by February 2016 but due to the significantly higher than budgeted costs involved, with VDEQ's approval it was decided to delay the construction until the fall of 2016, to be completed by February 2017.

Concurrent to the implementation of the dredge and cap system, VDEQ also mandated that the City immediately proceeds with another aspect of the CAP, namely, the upland investigation, to evaluate the health risks to occupants of residences/ businesses located within the boundary of the VRP. The City and its consultant are finalizing the sampling protocol involved with VDEQ and the initial sampling work is expected to be completed during the calendar year 2016. As part of this investigation, an outreach plan was developed and approved by VDEQ, and the City will be in contact with businesses and homeowners affected by this sampling work.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, & Prospering City

- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- T&ES Strategic Plan: Key Result Area - Meet or exceed state federal requirements of the City's MS4 and combined sewer permits.
- Eco-City Charter adopted by City Council, June 2008
- Environmental Action Plan 2030 approved by City Council, June 2009

Additional Operating Budget Impact

Funding in the amount of $150,000 is included as part of the FY 2017 Stormwater budget from the reserved 0.5 cents for stormwater on the base real estate tax rate. Annual funding is provided for the operation and maintenance of the remediation system that is now in operation, as well as on-going free product recovery efforts adjacent to the source area. As this funding has been budgeted in prior year budgets, there is no additional operating budget funding required above current funding.

Environmental Restoration

Document Subsection: Waterways Maintenance & Improvements
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 53411877

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 2 – Renovations/Existing Assets
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,492,517	*892,517*	0	0	150,000	0	150,000	0	150,000	0	150,000	0	600,000
Financing Plan													
Prior City Funding	398,475	*398,475*											0
Cash Capital	600,000	*0*	0	0	150,000	0	150,000	0	150,000	0	150,000	0	600,000
Private Capital Contributions	494,042	*494,042*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,492,517	*892,517*	0	0	150,000	0	150,000	0	150,000	0	150,000	0	600,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding removed for FY 2017, otherwise no changes from prior year CIP.

Project Description & Justification

This program provides for various projects within the City that will enhance local water quality and eventually the water quality of the Chesapeake Bay. The City's Environmental Management ordinance (Chesapeake Bay Ordinance) requires stormwater treatment from all development/redevelopment within the City. In circumstances where stormwater treatment is a requirement, but is not feasible because of site constraints, fees are collected.

Fees collected in lieu of water quality improvements or mitigation required under the Chesapeake Bay Ordinance from private developments are used to supplement these projects. 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, runoff reductions applications such as green roofs, pervious pavement, etc. City funds are used to supplement the fees collected.

The City, state and federal regulations have pollutant load reduction targets that it is mandated to achieve through its Municipal Separate Storm Sewer Permit. All 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 storm water and sanitary infrastructure, and stream system health to minimize environmental impacts.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, & Prospering City

- Improve the health of the City's waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- T&ES Strategic Plan: Key Result Area - Meet or exceed state federal requirements of the City's MS4 and combined sewer permits.
- Eco-City Charter adopted by City Council, June 2008
- Environmental Action Plan 2030 approved by City Council, June 2009

Additional Operating Budget Impact

Annual operating impact is unknown at this time. Projects such as stream restoration have added annual operating costs. Stormwater retrofits to City facilities will add to the inventory of such facilities typically maintained by the City. Exact incremental operating impact is not reasonably quantifiable at this time, but is captured elsewhere in the budget requests for BMP maintenance by accounting for growth.

Four Mile Run Stream Restoration

Document Subsection: Waterways Maintenance & Improvements
Managing Department: Department of Project Implementation
Supporting Department(s): Recreation, Parks & Cultural Activities
ORG: 43411623

Project Location: Shirlington Rd. to Potomac Rd.
Reporting Area: Potomac West
Project Category/Priority: 2 – Renovations/Existing Assets
Estimated Useful Life: 30 years

Four Mile Run Stream Restoration													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,892,278	*2,892,278*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	1,355,978	*1,355,978*											0
STAG- Federal Grant	1,536,300	*1,536,300*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,892,278	*2,892,278*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			12,000	12,360	12,731	13,113	13,506	13,911	14,329	14,758	15,201	15,657	137,567
Cumulative Impact			12,000	24,360	37,091	50,204	63,710	77,621	91,950	106,708	121,909	137,567	137,567

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project provides for wetland and bank restoration work along the highly urbanized Four Mile Run channel that is the border between Arlington County and the City of Alexandria. The project is part of a jointly approved Arlington County Board and Alexandria City Council Four Mile Run Restoration Master Plan (2006). When complete, it will be an international model of sensitive, ecological stream restoration and will improve the environmental quality of a local watershed. It will accomplish this by integrating the surrounding natural areas with active and urban nodes and maintaining flood control.

Through Congressman Moran's efforts, Alexandria and Arlington have been awarded a total of over $3.0 million for the Tidal Stream Restoration. Combined with $2.7 million in City and County funding matches, this funding is sufficient to restore the majority of the bank and wetland between Mt. Vernon Avenue and Route 1.

The City and County worked together to focus the use of the federal and local funds on bank and wetland restoration in the Four Mile Run watershed. Staff had to re-design the project in 2011 so that there would be no change in water surface elevation, per policy changes by the United States Army Corps of Engineers (USACE). The Northern Virginia Regional Commission (NVRC) managed the design of this project. Construction began on the Alexandria wetlands portion of the project in spring 2015, and will be completed in early 2016.

Completion of this project will improve the City's stormwater capital infrastructure and ecological resources.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, & Prospering City

- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Four Mile Run Restoration Master Plan jointly approved by Arlington County Board and Alexandria City Council, March 2006 and Design Guidelines, 2009
- Eco-City Environmental Action Plan – Chapter 4, Goal 1, 2009

Additional Operating Budget Impact

Litter control infrastructure, to provide a capture area for debris before it flows into the Potomac River, will be installed and will periodically need to be emptied. The estimated annual operating cost associated with litter control infrastructure is $12,000, beginning in FY 2017.

Citywide Street Lighting

Document Subsection: Public Safety Enhancements
Managing Department: Transportation & Environmental Services
Supporting Department(s): Police Department
ORG: 51411835

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 3 – New Facilities
Estimated Useful Life: Varies

Citywide Street Lighting													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	250,000	*25,000*	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
Financing Plan													
Prior City Funding	687,878	*687,878*											0
Cash Capital	250,000	*25,000*	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
Total Financing Plan	250,000	*25,000*	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
Additional Operating Impact													
Annual Impact			600	1,200	1,800	2,400	3,000	3,600	4,200	4,800	5,400	6,000	33,000
Cumulative Impact			600	1,800	3,600	6,000	9,000	12,600	16,800	21,600	27,000	33,000	33,000

Changes from Prior Year CIP: Funding removed for FY 2017, otherwise no changes from prior year CIP.

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 citizens and the Alexandria Police Department request new lights. The program objective is to increase the safety of residents and to aid the Alexandria Police Department with 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.

Completion of this project will ensure safe and accessible travel for pedestrians, bicyclists, transit and motorists on Complete Streets with design and implementation that is context sensitive.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community
- Reduce crime

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community

Focus Area: Livable, Green, & Prospering City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Street lights have small additional utility costs, approximately $150/year per light. The operating cost of four new lights per year is projected to be $600 beginning in FY 2017.

Fire Department Vehicles and Apparatus

Document Subsection: Public Safety Enhancements
Managing Department: Fire Department
Supporting Department(s): Finance Department
ORG: Multiple ORGs

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	34,675,635	*10,533,635*	1,378,000	874,000	2,852,000	3,446,000	2,009,000	2,583,000	2,500,000	4,000,000	2,000,000	2,500,000	24,142,000
Financing Plan													
Prior City Funding	9,046,635	*9,046,635*											0
Prior Year/Close-Out - City	250,000	*250,000*	0	0	0	0	0	0	0	0	0	0	0
General Obligation Bonds	25,379,000	*1,237,000*	1,378,000	874,000	2,852,000	3,446,000	2,009,000	2,583,000	2,500,000	4,000,000	2,000,000	2,500,000	24,142,000
Total Financing Plan	34,675,635	*10,533,635*	1,378,000	874,000	2,852,000	3,446,000	2,009,000	2,583,000	2,500,000	4,000,000	2,000,000	2,500,000	24,142,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026, otherwise no changes from prior CIP.

Project Description & Justification

The Fire Department has approved replacing a significant portion of the Department's fleet. While funding has been provided for this in the past, replacing apparatus has been delayed. Even if the Department were to exhaust the Vehicle and Equipment Replacement Fund Balance, several large pieces of apparatus would still need to be replaced.

The vehicle and equipment replacement plan proposes an accelerated vehicle purchase plan through bond funding and then repaying the costs from the vehicle and equipment replacement fund. The replacement plan will provide funding to re-chassis the larger vehicles in the fleet to allow for an extended life of the vehicle and ultimately drive down the maintenance costs of the vehicle in later years. As a result of this plan, the community will be assured of having working apparatus at all times and better coverage throughout the City.

Vehicles are based on quotes/bids from vendors in September 2012. Prices are then escalated each year to account for inflation in out years.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce harm to people or property from disasters

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- The Fire Department's Apparatus Committee has presented a detailed plan and overview to the Department's Executive Team and Strategic Planning Workgroup. This plan (Apparatus Workgroup Plan) has been adopted by the Department as the preferred way to proceed

Additional Operating Budget Impact

Operating costs may show a decrease in the department's maintenance and repair budget; however, that number is difficult to quantify and could be offset by increases in commodity prices.

Fire Department SCBA Replacement

Document Subsection: Public Safety Enhancements
Managing Department: Fire Department
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 2 - Renovations/Existing Assets or Facilities
Estimated Useful Life: 10-15 years

Fire Department SCBA Replacement													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	3,500,000	*0*	0	0	0	0	0	0	0	0	0	3,500,000	3,500,000
Financing Plan													
Cash Capital	3,500,000	*0*	0	0	0	0	0	0	0	0	0	3,500,000	3,500,000
Total Financing Plan	3,500,000	*0*	0	0	0	0	0	0	0	0	0	3,500,000	3,500,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2026.

Project Description & Justification

Replacement of Self Contained Breathing Apparatus (SCBA) covers all firefighters, medics and fire marshals that might enter an immediately dangerous to life and health environment. Only with this equipment is it safe for employees to enter such an environment which is critical to the first responder mission of saving lives. The Fire Department also administers and maintains the SCBA program for the City (including the Sheriff's Office and Police Department).

The City purchased new SCBA in 2014 to replace SCBA purchased between 2001 - 2006. This project is listed to replace the current SCBA models in order to comply with the Federal Department of Transportation standards (Federal Code 173.34) about the lifespan for air cylinders (no more than 15 years at the maximum).

It is optimal that the AFD replace the entire fleet of SCBA all at one time and not incrementally. It is more efficient (and provides for greater personal safety) for an employee to train on one type of SCBA and then use the same type of SCBA on a regular assignment so they are familiar with the equipment. Replacing the entire fleet of SCBA at the same time will ensure all equipment is standardized.

The City projects the need to replace 307 SCBA units in the City which is estimated to cost approximately $2.8 million. This will cover the Fire Department (including volunteers), Police Department, and Sheriff's Office. This figure may change slightly due to the proper number of components that come with an SCBA purchase such as the number of cylinders, face pieces, and Pak-Tracking equipment to locate an individual in the scene of an emergency. In addition, these costs are based on estimates from a vendor, and final pricing will not be set until closer to a purchase.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce harm to people or property from disasters

External or Internal Adopted Plan or Recommendation

- NA

Additional Operating Budget Impact

Operating costs with SCBA are already within the Fire Department's budget. No additional funding is needed with this project

Police Body-Worn Cameras (BWC's)

Document Subsection: Public Safety Enhancements
Managing Department: Police Department
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 3 – New Facility or Service
Estimated Useful Life: TBD

Body Cameras													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	0	*0*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan	0	*0*	0	TBD	TBD	0	0	0	0	0	0	0	0
Total Financing Plan	0	*0*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact Annual Impact			0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: This is a new project added for FY 2018 - FY 2019. Project cost has not been determined yet, as the City is still studying 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.

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 video content retention from BWC's. Currently, an FY 2018 and FY 2019 implementation is contemplated, but that is the current target time frame and not a fixed time frame.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Ensure all community members are treated justly and protected under the law

External or Internal Adopted Plan or Recommendation

- NA

Additional Operating Budget Impact

Implementing BWC's would create ongoing operating costs related to technology support, training and documentation management. As the City continues to study the use of BWC's, more detail operating budget impacts will be created and assessed.

RECREATION AND PARKS

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Recreation and Parks
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Recreation & Parks											
Aquatics Facilities											
Chinquapin Aquatics Center	4,500,000	17,850,000	0	0	0	0	0	0	0	0	22,350,000
Chinquapin Pool Skylight Replacement	0	0	0	0	0	0	0	0	0	375,000	375,000
Colosanto Pool Demolition/Spray ground Conversion	0	0	0	0	0	450,000	0	0	0	0	450,000
Ewald Pool Demolition	0	0	0	450,000	0	0	0	0	0	0	450,000
Old Town Pool Renovations	0	0	0	0	500,000	4,000,000	0	0	0	0	4,500,000
Public Pools	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	520,000
Warwick Pool Renovation	2,150,000	0	0	0	0	0	0	0	0	0	2,150,000
Open Space Acquisition & Development											
Open Space Acquisition and Develop.	1,325,000	2,075,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	19,400,000
Park Maintenance & Improvements											
African American Heritage Park Repairs	240,000	0	0	0	0	0	0	0	0	0	240,000
Americans with Disabilities Act (ADA) Requirements	250,000	250,000	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	1,600,000
Athletic Field Improvements (incl. Synthetic Turf)	1,610,000	2,500,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,110,000
Athletic Field Restroom Renovations	370,000	350,000	0	0	0	0	0	0	0	0	720,000
Ball Court Renovations	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,500,000
Community Matching Fund	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,900,000
Four Mile Run Park Wetlands Connector Bridge	200,000	0	0	0	0	0	0	0	0	0	200,000
Major Asphalt Resurfacing in Parks	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Park Maintenance Facilities	30,000	250,000	0	0	0	0	0	0	0	0	280,000
Park Renovations CFMP	220,000	466,000	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	4,009,000
Patrick Henry Synthetic Turf Field and Outdoor Play Features	0	2,150,000	0	0	0	0	0	0	0	0	2,150,000
Playground Renovations CFMP	475,000	522,000	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	6,136,000
Potomac Yard Park Basketball Court Lights	150,000	0	0	0	0	0	0	0	0	0	150,000
Restaurant Depot Contribution Projects	0	0	0	0	0	0	0	0	0	0	0
Soft Surface Trails	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	1,200,000
Tree & Shrub Capital Maintenance	281,000	371,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	3,260,000
Water Management & Irrigation	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	1,280,000
Waterfront Parks CFMP	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Windmill Hill Park Improvements	0	0	0	0	0	0	0	0	0	0	0

Recreation and Parks (continued)
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Recreation & Parks											
Recreation Facility Maintenance											
City Marina Maintenance	340,000	90,000	90,000	90,000	45,000	45,000	90,000	90,000	90,000	90,000	1,060,000
Recreation Centers CFMP	675,000	725,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	7,000,000
Recreation Facilities Security Review	0	0	0	0	0	0	0	0	0	0	0
Renovated or New Recreation Facilities											
Braddock Area Plan Park	0	0	0	703,605	0	0	0	0	0	0	703,605
City Marina Utility Upgrades	1,063,000	0	0	0	0	0	0	0	0	0	1,063,000
Citywide Parks Improvements Plan	350,000	468,000	500,000	0	500,000	0	500,000	500,000	500,000	500,000	3,818,000
Fort Ward Management Plan Implementation	275,000	0	400,000	0	170,000	0	150,000	0	200,000	0	1,195,000
Patrick Henry Recreation Center	0	TBD	0	0	0	0	0	0	0	0	TBD
Total	15,354,000	29,017,000	8,202,000	8,507,605	8,329,000	11,647,000	7,897,000	7,747,000	7,947,000	8,122,000	112,769,605

Restaurant Depot Contribution Projects

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: 44801677

Project Location: See Project Text
Reporting Area: Eisenhower West
Project Category: 3 – New Facilities
Estimated Useful Life: 7-20 years

Restaurant Depot Contribution Projects													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Private Capital Contributions	200,000	*200,000*	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	
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

As part of the Development Special Use Permit (DSUP) application for the new Restaurant Depot facility on Eisenhower Avenue, the applicant made a voluntary contribution for open space improvements.

The development contribution of $500,000 has been received and two of three projects have been completed. The remaining project is:

- Joseph Hensley Park (4200 Eisenhower Avenue) Festival Event Area. This project will renovate portions of the park to provide an event area with and supporting facilities ($175,000). This project will be completed with other improvements to the park in FY 2017/FY 2018 to minimize service impacts.
- The following projects were completed through this funding:
- $300,000 in development contributions were transferred to the renovation project at the Armistead L. Boothe Park playground completed in 2014.
- $25,000 in development contributions were used to complete ADA pathway renovations in Ben Brenman Park in FY 2016

Once completed, the projects will improve appearance, safety, and existing levels of service for both active and passive recreation facilities while supporting healthy lifestyles by enhancing outdoor facilities.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve resident's overall health

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community

External or Internal Adopted Plan or Recommendation

- 4600-4604 Eisenhower Avenue Restaurant Depot, DSUP #2009-2003 approved by City Council, September 2009

Additional Operating Budget Impact

Planned improvements are anticipated to increase park rental revenues, which are anticipated to offset the maintenance costs of the new facilities.

Americans with Disabilities Act (ADA) Requirements

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: 44801679

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,448,813	*848,813*	*250,000*	*250,000*	*250,000*	*250,000*	*100,000*	*100,000*	*100,000*	*100,000*	*100,000*	*100,000*	1,600,000
Financing Plan													
Prior City Funding	398,813	*398,813*											0
Cash Capital	2,050,000	*450,000*	250,000	250,000	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	1,600,000
Total Financing Plan	2,448,813	848,813	250,000	250,000	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	1,600,000
Additional Operating Impact													
Annual Impact													0
Cumulative Impact				0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year 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 2017 - 2019 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve resident's overall health

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are inclusive and diverse

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Safe, Secure, & Just Community
- Ensure all community members are treated justly and protected under the law

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- Park and Open Space Facilities Prioritization Analysis, 2012
- Citywide Parks Improvement Plan, 2014
- Neighborhood Parks Improvement Plan, 2016

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

ADA Requirements (Continued)

ADA Requirements Category 1 Project List

Fiscal Year 2017		
Description		Amount
Hensley ADA Ramp to Restrooms	$	225,000
Landover Access	$	25,000
Total Fiscal Year 2017	$	250,000

Fiscal Year 2018		
Description		Amount
Ben Brenman Picnic Pavillion Access and Modifications	$	150,000
Fort Ward Access Paths	$	100,000
Total Fiscal Year 2018	$	250,000

Fiscal Year 2019		
Description		Amount
Simpson ADA Access from Monroe Avenue	$	115,000
Fort Ward Access Paths	$	135,000
Total Fiscal Year 2019	$	250,000

Ball Court Renovations

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: 44801645

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	3,145,313	1,645,313	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,500,000
Financing Plan													
Prior City Funding	1,495,313	*1,495,313*											0
Cash Capital	165,000	*15,000*	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
GO Bonds	1,450,000	*135,000*	100,000	135,000	135,000	135,000	135,000	135,000	135,000	135,000	135,000	135,000	1,315,000
Prior Year/Close-Out	35,000	*0*	35,000	0	0	0	0	0	0	0	0	0	35,000
Total Financing Plan	3,145,313	1,645,313	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,500,000
Additional Operating Impact													
Annual Impact													0
Cumulative Impact				0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year CIP.

Project Description & Justification

The City is responsible for the upkeep of 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve resident's overall health
- Ensure all children and youth thrive and succeed

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- Ball Court Assessment, 2011
- Engineering Analysis for Ball Field, Tennis and Sport Field Light Poles, 2011
- 2011 & 2013 Parks and Recreation Needs Assessment
- Citywide Parks Improvement Plan, 2014
- Neighborhood Parks Improvement Plan, 2016

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Ball Court Renovations (Continued)

Ball Court Renovations Category 1 Project List

Fiscal Year 2017		
Description		Amount
Powhatan Tennis Court Renovation	$	43,000
Lee Center Tennis Lights Replacement	$	70,000
Fort Ward Tennis Courts Renovation	$	20,000
Chinquapin Basketball Court Renovation and Erosion Control	$	9,000
Emergency Repairs	$	8,000
Total Fiscal Year 2017	$	150,000
Fiscal Year 2018		
Description		Amount
Hensley Park Courts	$	100,000
Ben Brenman Park Courts Renovation	$	45,000
Emergency Repairs	$	5,000
Total Fiscal Year 2018	$	150,000
Fiscal Year 2019		
Description		Amount
Chinquapin Basketball/Tennis/Multi-Purpose Courts	$	150,000
Total Fiscal Year 2019	$	150,000

Park Renovations Capital Facilities Maintenance Program (CFMP)

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: 44801682

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: Varies

Park Renovations Capital Facilities Maintenance Program (CFMP)													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	7,785,848	3,776,848	220,000	466,000	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	4,009,000
Financing Plan													
Prior City Funding	3,506,848	*3,506,848*											0
Cash Capital	4,279,000	*270,000*	220,000	466,000	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	4,009,000
Total Financing Plan	7,785,848	3,776,848	220,000	466,000	416,000	416,000	416,000	411,000	416,000	416,000	416,000	416,000	4,009,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Fundings reduced by $5,000 in FY 2022, but otherwise no changes from prior CIP. Funding added for FY 2026.

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 2017 - 2019 projects on the next page was determined through: an evaluation and analysis of the 2011 and 2013 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 2018, $50,000 is added to the budget annually to account for new City facilities acquired after 2016. 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve resident's overall health
- Ensure all children and youth thrive and succeed

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- 2010/2011 Dog Parks Master Plan
- 2011 & 2013 Parks and Recreation Needs Assessments
- Citywide Parks Improvement Plan, 2014
- Neighborhood Parks Improvement Plan, 2016

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Park Renovations CFMP (Continued)

Park Renovations CFMP Category 1 Project List

Fiscal Year 2017		
Description		Amount
Park Kiosk Replacement	$	30,000
Ben Brenman Dog Park Improvements	$	75,500
Luckett Field Lighting Upgrades	$	40,000
Stevenson Dugouts	$	50,000
Emergency Repairs	$	24,500
Total Fiscal Year 2017	$	220,000

Fiscal Year 2018		
Description		Amount
Landover Park Entrance Improvements	$	24,000
Tarleton Dog Area Improvements	$	14,000
Holmes Run Dog Park Improvements	$	46,000
Simpson Park Bio-Filters	$	222,000
Simpson Park Dog Park Berm Stabilization	$	20,000
Hooffs Run Dog Area	$	20,000
Four Mile Run Park Furniture at Edison Entrance	$	34,000
Ben Brenman Mile Markers	$	8,000
Ben Brenman Replacement Soccer Goals	$	10,000
Beach Park Amphitheater	$	30,000
Emergency Repairs	$	38,000
Total Fiscal Year 2018	$	466,000

Fiscal Year 2019		
Description		Amount
Four Mile Run Dog Park	$	90,000
Simpson Park Blue Building Demolition	$	310,000
Emergency Repairs	$	16,000
Total Fiscal Year 2019	$	416,000

Waterfront Parks Renovations Capital Facilities Maintenance Program (CFMP)

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: 44802464

Project Location: Waterfront District Parks
Reporting Area: Waterfront
Project Category: 1 – Asset Maintenance
Estimated Useful Life: Varies

Waterfront Parks Capital Facilities Maintenance Program (CFMP)													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	550,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Financing Plan													
Cash Capital	525,000	*50,000*	25,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	475,000
Prior Year/Close-Out	25,000	*0*	25,000	0	0	0	0	0	0	0	0	0	25,000
Total Financing Plan	550,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year 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 and the 2013 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. Each fiscal year includes subprojects that are grouped to create economy of scale benefits.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve resident's overall health

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- 2010/2011 Dog Parks Master Plan
- 2011 & 2013 Parks and Recreation Needs Assessments
- Waterfront Small Area Plan, 2012
- Landscape and Flood Mitigation Concept Design, 2014
- Neighborhood Parks Improvement Plan, 2016

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Waterfront Parks Renovations CFMP (Continued)

Waterfront Parks Renovations CFMP Category 1 Project List

Fiscal Year 2017		
Description		Amount
Trail & Timber Renovations in Oronoco Bay Park	$	20,000
Volleyball Court Renovation at Windmill Hill Park	$	20,000
Roberdeau City Standard Park Entrance Sign	$	5,000
Emergency Repairs	$	5,000
Total Fiscal Year 2017	$	50,000

Fiscal Year 2018		
Description		Amount
Trail & Timber Renovations Oronoco Bay Park	$	10,000
Trail & Brick Trail Edging Renovations in Founders Park	$	10,000
Oronoco Bay North Pier Deck/Rail Replacement	$	20,000
Point Lumley City Standard Park Entrance Sign	$	5,000
Emergency Repairs	$	5,000
Total Fiscal Year 2018	$	50,000

Fiscal Year 2019		
Description		Amount
Trail & Brick Trail Edging Renovations in Oronoco Bay Park	$	5,000
Trail & Brick Trail Edging Renovations in Founders Park	$	5,000
Oronoco Bay North Pier Deck/Rail Replacement	$	10,000
Volleyball Court Renovation at Founders Park	$	20,000
Armory Tot Lot City Standard Park Entrance Sign	$	5,000
Emergency Repairs	$	5,000
Total Fiscal Year 2019	$	50,000

Playground Renovations Capital Facilities Maintenance Program (CFMP)

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: 44801671

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: Varies

Playground Renovations Capital Facilities Maintenance Program (CFMP)													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	10,813,128	4,677,128	475,000	522,000	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	6,136,000
Financing Plan													
Prior City Funding	3,765,128	*3,765,128*											0
Cash Capital	3,348,000	*462,000*	75,000	272,000	320,000	372,000	272,000	315,000	315,000	315,000	315,000	315,000	2,886,000
GO Bonds	3,400,000	*250,000*	300,000	250,000	250,000	250,000	350,000	350,000	350,000	350,000	350,000	350,000	3,150,000
Land & Water Conservation Fund	200,000	*200,000*	0	0	0	0	0	0	0	0	0	0	0
Prior Year/Close-Out	100,000	*0*	100,000	0	0	0	0	0	0	0	0	0	100,000
Total Financing Plan	10,813,128	4,677,128	475,000	522,000	570,000	622,000	622,000	665,000	665,000	665,000	665,000	665,000	6,136,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0
Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year CIP.													

Project Description & Justification

The annual budget for playground renovations includes funding to ensure that the equipment and surface area of each of the 40 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 2017 – 2019 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve resident's overall health
- Ensure all children and youth thrive and succeed

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- 2011 & 2013 Parks and Recreation Needs Assessments
- 2012 Alexandria Play Space Assessment by the Partnership for a Healthier Alexandria and the Alexandria Health Department
- Alexandria Play Space Policy, approved by City Council November 2013
- Citywide Parks Improvement Plan, 2014
- 2014-2019 Alexandria Community Health Improvement Plan (CHIP), Partnership for a Healthier Alexandria
- Neighborhood Parks Improvement Plan, 2016

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Playground Renovations CFMP (Continued)

Playground Renovations CFMP Category 1 Project List

Fiscal Year 2017		
Description		Amount
Playspace Design Resource Manual	$	40,000
Four Mile Run Park Design and Engineering	$	80,000
Charles Barrett Design and Engineering	$	80,000
Taney Avenue Park Play Feature Construction	$	100,000
Four Mile Run Park Construction (Phase II)	$	113,750
Holmes Run Stream Corridor Natural Play Features	$	37,500
Emergency Repairs	$	23,750
Total Fiscal Year 2017	$	475,000

Fiscal Year 2018		
Description		Amount
Charles Barrett Playground Construction	$	417,600
Chambliss Park Natural Play Features	$	78,300
Emergency Repairs	$	26,100
Total Fiscal Year 2018	$	522,000

Fiscal Year 2019		
Description		Amount
Ewald Park Design and Engineering	$	135,000
Lynhaven Park Design and Engineering	$	56,500
Holmes Run-Brookvalley Natural Play Construction	$	150,000
Powhatan Park Playground Enhancement	$	125,000
Fort Ward Park Playground Relocation Supplement	$	75,000
Emergency Repairs	$	28,500
Total Fiscal Year 2019	$	570,000

Tree and Shrub Capital Maintenance

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: 44801656, 44801657

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	6,722,781	3,462,781	281,000	371,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	3,260,000
Financing Plan													
Prior City Funding	3,236,781	*3,236,781*											0
Cash Capital	3,486,000	*226,000*	281,000	371,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	3,260,000
Total Financing Plan	6,722,781	3,462,781	281,000	371,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	326,000	3,260,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	100,000	103,000	106,090	109,273	112,551	530,914
Cumulative Impact			0	0	0	0	0	100,000	203,000	309,090	418,363	530,914	1,561,366

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year CIP.

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 200 horticultural sites and over 1,200 tree wells, which periodically require renovations and enhancements.

In September 2009, the City's Urban Forestry Master Plan was approved by City Council. The Plan recommends adoption of American Forest's suggested goal of 40% tree canopy cover (Recommendation 1). It identifies planting trees as an integral part of sustaining and expanding the City's tree canopy (Recommendation 3). The Plan further recommends planting an additional 400 trees annually above the current rate of yearly planting. This is reflected by the $100,000 increase in funding per year beginning FY 2017. The total program for planting replacement and new trees in FY 2017 will include approximately 850 trees, based on the current average installed cost of $250 per tree.

The projects listed on the next page are planned for FY 2017 – 2019, 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, providing storm water management, and reducing pollutants in the air.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve resident's overall health

Focus Area: Livable, Green, & Prospering City
- Sustain the natural quality of land within the City
- Improve the City's air quality
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government
- Achieve the results the community values
- Ensure the government is accountable to the community

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- Urban Forestry Master Plan approved by City Council, June 2009
- Eco-City Charter adopted by City Council, June 2008
- 2009 Environmental Action Plan – Chapter 7, Goal 2 and 3
- Parks and Recreation Needs Assessment, 2011
- Citywide Parks Improvement Plan, 2014

Additional Operating Budget Impact

Beginning in FY 2017, the additional trees planted with the $100,000 increase will be incorporated into a five-year rotational maintenance cycle starting in 2022. The estimated cost will be $100,000 in FY 2022 and costs are anticipated to increase by 3% inflation every year thereafter.

Tree and Shrub Capital Maintenance (Continued)

Tree and Shrub Capital Maintenance Category 1 Project List

Fiscal Year 2017		
Description		Amount
Tree Planting	$	206,000
Renovate Landscaped Areas at Recreation Centers and Other City Facilities	$	20,000
Lake Cook	$	25,000
Forest Restoration at Goat Hill Park - Phase 3 of 3	$	10,000
Forest Restoration at Dora Kelley Nature Park - Phase 1 of 2	$	20,000
Total Fiscal Year 2017	$	281,000

Fiscal Year 2018		
Description		Amount
Tree Planting	$	216,000
Renovation of Van Dorn Street Medians	$	30,000
Forest restoration at Dora Kelley Nature Park - Phase 2 of 2	$	30,000
Forest Restoration at Monticello Park - Phase 1 of 2	$	20,000
Landscaping Renovation at City Gateways	$	30,000
Improvements to Native Plant Conservation Zones	$	30,000
Wetland Restoration at Dora Kelly Nature Park - Phase 2 of 2	$	15,000
Total Fiscal Year 2018	$	371,000

Fiscal Year 2019		
Description		Amount
Tree Planting	$	213,000
Hensley Park Tree Planting	$	68,000
Forest Restoration at Monticello Park - Phase 2 of 2	$	20,000
Ben Brenman Park Tree Planting	$	5,000
Landscaping Renovation at City Gateways	$	20,000
Total Fiscal Year 2019	$	326,000

Soft Surface Trails

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): Transportation & Environmental Services
ORG: 44801652

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,986,987	786,987	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	1,200,000
Financing Plan													
Prior City Funding	666,987	*666,987*											0
Cash Capital	1,260,000	*120,000*	60,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	1,140,000
Prior Year/Close-Out	60,000	*0*	60,000	0	0	0	0	0	0	0	0	0	60,000
Total Financing Plan	2,653,974	786,987	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	1,200,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year 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 and 2015 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.

The projects listed on the next page are planned for FY 2017 – 2019. 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 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve resident's overall health

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- Four Mile Run Restoration Master Plan jointly approved by Arlington County Board and Alexandria City Council, March 2006
- 2009 Eco-City Environmental Action Plan – Chapter 7, Goals 2 & 3
- 2013 and 2015 Parks and Recreation Needs Assessment
- Bicycle and Pedestrian Master Plan (2008)
- Citywide Parks Improvement Plan, 2014
- Neighborhood Parks Improvement Plan, 2016

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Soft Surface Trails (Continued)

Soft Surface Trails Category 1 Project List

Fiscal Year 2017		
Description		Amount
Polk Avenue Park Trails	$	120,000
Total Fiscal Year 2017	$	120,000

Fiscal Year 2018		
Description		Amount
Forest Park Bridge	$	49,000
Dora Kelley Park Pervious Surface Path	$	45,000
Eisnehower Trail/Holmes Run Trail Mile Markers	$	20,000
Simpson Park Distance Markers	$	6,000
Total Fiscal Year 2018	$	120,000

Fiscal Year 2019		
Description		Amount
Ben Brenman Park Trail Improvements per the Citywide Parks Improvement Plan	$	90,000
Beach Park Walkway per the Neighborhood Parks Improvement Plan	$	30,000
Total Fiscal Year 2019	$	120,000

Water Management and Irrigation

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: 44801658

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1- Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,431,350	1,151,350	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	1,280,000
Financing Plan													
Prior City Funding	1,151,350	*1,151,350*											0
Cash Capital	1,212,000	*0*	60,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	1,212,000
Prior Year/Close-Out	68,000	*0*	68,000	0	0	0	0	0	0	0	0	0	68,000
Total Financing Plan	2,431,350	1,151,350	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	128,000	1,280,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year CIP.

Project Description & Justification

This project funds the design of efficient water management systems, including the conversion of manual irrigation controllers to automatic irrigation controllers. Currently, the systems use manual mechanical timers, but they do not self-adjust for periods of droughts, power outages, or rainfall. The use of a central control system provides more efficient irrigation systems and allows the individual sites to reduce use of potable water for landscape maintenance, as well as adjust for climate, park use, and park maintenance. These controllers also help the department utilize current water-conserving landscaping principles. Improvements to the existing irrigation infrastructure, if not pursued, could necessitate the abandonment of declining irrigation systems.

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.

The projects listed on the next page are planned for FY 2017 – 2019 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.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve resident's overall health

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- Eco-City Charter – Water Resource Conservation, 2008
- Eco-City Alexandria Environmental Action Plan, adopted by City Council, June 2009
- Youth Sports Advisory Board Field Exercise, 2012

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Water Management and Irrigation (Continued)

Water Management and Irrigation Category 1 Project List

Fiscal Year 2017		
Description		Amount
Contrabands and Freemen Cemetery Irrigation Program	$	75,000
Renovate Central Control Computer	$	15,000
Communication with the Ben Brenman Cluster Control Unit (CCU)	$	38,000
Total Fiscal Year 2017	$	128,000

Fiscal Year 2018		
Description		Amount
Renovate Systems in the Ben Brenman Cluster Control Unit (CCU)	$	90,000
Install/Renovate Irrigation Systems at the Gateway Locations	$	38,000
Total Fiscal Year 2018	$	128,000

Fiscal Year 2019		
Description		Amount
Renovate System at Witter Recreational Fields	$	100,000
Install/Renovate Irrigation Systems at the Gateway Locations	$	28,000
Total Fiscal Year 2019	$	128,000

Pavement in Parks

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): Transportation & Environmental Services
ORG: 44802310

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: 15-20 years

Major Asphalt Resurfacing in Parks													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	3,250,000	750,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Financing Plan													
Prior City Funding	500,000	*500,000*											0
Cash Capital	407,000	*37,000*	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	370,000
GO Bonds	2,243,000	*213,000*	113,000	213,000	213,000	213,000	213,000	213,000	213,000	213,000	213,000	213,000	2,030,000
Prior Year/Close-Out	100,000	*0*	100,000	0	0	0	0	0	0	0	0	0	100,000
Total Financing Plan	3,250,000	750,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year CIP.

Project Description & Justification

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. Continued deferral of maintenance on park roads and parking lots will eventually require full-depth repair and complete construction, which is far more expensive than continual maintenance.

Transportation and Environmental Services staff has currently identified 18 parks with roads, parking lots or asphalt surfaces that require maintenance. Projects planned for FY 2017 – 2019 include:

- FY 2017 – Hensley Park Eastern Parking Lot Repaving;
- FY 2018 – Hensley Park Western Parking Lot Repaving, and
- FY 2019 – Four Mile Run Park Commonwealth Avenue Parking Lot.

Preliminary estimates for all pavement improvements have been developed through the Citywide Parks Improvement Plan. Final funding estimates will be contingent on several factors, principally the cost of petroleum, which has a significant effect on the cost of asphalt.

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

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area Team: Safe, Secure & Just Community
- Reduce harm to people or property from building failures

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- 2011 and 2013 Parks and Recreation Needs Assessments,
- Citywide Parks Improvement Plan, 2014

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Restroom Renovations

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): General Services
ORG: 44802358

Project Location:
3701 W. Braddock Rd;
3700 Commonwealth Avenue
Reporting Area: Citywide
Project Category/Priority: 2 - Renovations/Existing Assets
Estimated Useful Life: 20 years

Athletic Field Restroom Renovations													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,110,000	390,000	370,000	350,000	0	0	0	0	0	0	0	0	720,000
Financing Plan													
Cash Capital	127,000	*57,000*	35,000	35,000	0	0	0	0	0	0	0	0	70,000
GO Bonds	983,000	*333,000*	335,000	315,000	0	0	0	0	0	0	0	0	650,000
Total Financing Plan	1,110,000	390,000	370,000	350,000	0	0	0	0	0	0	0	0	720,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No significant changes from prior year 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.

Planning and design for the renovation at Minnie Howard Field is currently underway. Future planned projects include the demolition and replacement of the existing restroom facilities at Four Mile Run Park. Preliminary planning and initial scoping, including review of land approvals and existing conditions has been completed. The project replaces existing facilities on currently owned property, and does not anticipate any special use permits or other land use approvals.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Achieves results the community values

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Youth Sports Advisory Board Fields Exercise, 2012
- Citywide Parks Improvement Plan, 2014

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated. Facilities are replacing older, less energy efficient facilities so there may be a slight decrease in utility costs.

Windmill Hill Park Improvements

Document Subsection: Park Maintenance & Improvements
Project Location: 501 S. Union St.
Managing Department: Recreation, Parks & Cultural Activities, Dept. of Project Implementation
Reporting Area: Old Town
Supporting Department(s): Transportation & Environmental Services
Project Category: 2 – Renovations/Existing Assets
ORG: 44801661
Estimated Useful Life: 25 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	6,997,500	6,997,500	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	1,962,500	*1,962,500*	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	5,000,000	*5,000,000*	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													
Annual Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project consists of the complete replacement of the existing bulkhead at Windmill Hill Park with a Living Shoreline. 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 and a pedestrian bridge over the Gibbon Street stream outfall. Outstanding park improvements 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 existing bulkhead is approximately 900 feet long, surrounds the perimeter of a cove located on the west bank of the Potomac River, and is located approximately 0.5 miles north of the Woodrow Wilson Bridge. The surrounding land is a City park that fronts on South Union Street and located adjacent to residential housing. The total length of perimeter shoreline in the cove is approximately 1,200 feet. The bulkhead is constructed of wood timbers and concrete slabs and is in a state of advanced deterioration, as evidenced by ongoing soil erosion behind the bulkhead and loss of wall debris into the cove. The area is subject to tidal currents and the cove has no protection from waves and flotsam. The bulkhead was inspected by external consulting engineers in February 2012, who rated it in "critical" condition with vertical and horizontal movement of structural components. Installation of the Living Shoreline will stabilize and counteract shoreline deterioration.

The project plan calls for the least amount of disturbance by performing the work as quickly as possible. The project will be designed to meet resident expectations for durability and aesthetics. Community engagement activities and 30% planning, design and engineering occurred in FY 2015; final design began in summer 2015 and construction is anticipated to begin in FY 2017.

Planning is underway to prioritize work needed to address other public safety issues, as well as to consider other planned improvements throughout the park consistent with the City Council adopted 2003 Windmill Hill Master Plan.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area Team: Safe, Secure, & Just Community
- Reduce harm to people or property from building failures

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Sustain the natural quality of land within the City
- Improve the health of City waterways

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Achieves results the community values

External or Internal Adopted Plan or Recommendation

- Windmill Hill Park Master Plan approved by City Council, April 2003
- 2012 Waterfront Small Area Plan adopted by City Council, February 2012
- 2012 Union Street Corridor Study adopted April 2013
- June 13, 2015 City Council Living Shoreline Concept Approval

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Park Maintenance Facilities

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): General Services
ORG: TBD

Project Location: 3700 Commonwealth Avenue
910 S. Payne Street
Reporting Area: Eisenhower West/Potomac West/Taylor Run
Project Category/Priority: 3 – New Facilities
Estimated Useful Life: 10-20 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	280,000	0	30,000	250,000	0	0	0	0	0	0	0	0	280,000
Financing Plan													
Cash Capital	55,000	*0*	30,000	25,000	0	0	0	0	0	0	0	0	55,000
GO Bonds	225,000	*0*	0	225,000	0	0	0	0	0	0	0	0	225,000
Total Financing Plan	280,000	0	30,000	250,000	0	0	0	0	0	0	0	0	280,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No significant changes from prior year CIP.

Project Description & Justification

This project will provide modern, ADA and code compliant satellite storage facilities for two of the 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 east and west 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Citywide Parks Improvement Plan, 2014

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

African American Heritage Park Repairs

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: TBD

Project Location: 600 Holland Lane
Reporting Area: Eisenhower East
Project Category/Priority: 2 – Renovations/Existing Assets
Estimated Useful Life: 10 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	240,000	0	240,000	0	0	0	0	0	0	0	0	0	240,000
Financing Plan													
Cash Capital	240,000	*0*	240,000	0	0	0	0	0	0	0	0	0	240,000
Total Financing Plan	240,000	0	240,000	0	0	0	0	0	0	0	0	0	240,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017 - 2026.

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 sub-grade, correct associated site drainage, and repair brick walk, brick steps, handrails, gazebo structure, soft trails and stonework. The analysis and implementation of the repairs is anticipated in FY 2017.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Athletic Field Improvements Including Synthetic Turf

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: 44801686

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	25,854,435	5,744,435	1,610,000	2,500,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,110,000
Financing Plan													
Cash Capital	4,716,935	*2,656,935*	210,000	250,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,060,000
GO Bonds	20,937,500	*2,887,500*	1,400,000	2,250,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	18,050,000
Private Capital Contributions	200,000	*200,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	25,854,435	5,744,435	1,610,000	2,500,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,110,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year 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 replacement fixtures. 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 2017, funding will implement the following projects:

- FY 2017 – Minnie Howard Field re-carpeting and Hensley Baseball Field Improvements
- FY2018 – Fort Ward re-carpeting and Hensley Soccer Field Improvements
- FY 2019 – Field improvements at Four Mile Run Park.

Preliminary planning has been completed for the project. 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area Team: Healthy & Thriving Residents

- Improve the quality of resident's leisure time
- Improve residents' overall health
- Ensure all children and youth thrive and succeed

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the fiscal strength of the government
- Achieves results the community values

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- Athletic Field Strategy Study, 2009
- Youth Sports Fields Exercise, 2012
- Citywide Parks Improvement Plan, 2014

Additional Operating Budget Impact

This project is anticipated to increase revenues through year round field use. Additionally, water consumption should decrease as fields are converted to artificial turf. These decreased costs will likely be offset by increased field maintenance and usage.

Community Matching Fund

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 3 - New or Updated Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,900,000	0	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,900,000
Financing Plan													
Cash Capital	950,000	*0*	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	950,000
Private Capital Contributions	950,000	*0*	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	950,000
Total Financing Plan	1,900,000	0	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,900,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017 - 2026.

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 interest coincides with the Department facing difficult budget constraints.

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.

Starting 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. Only when a partnership proposal demonstrates it aligns with the City and Department's mission statement, meets a high unmet need, and has high benefits for City residents, will the City consider contributing resources to a capital project from the Community Matching Fund. 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 and have the project started within 18 months.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Ensure all children and youth thrive and succeed
- Improve City residents' overall health

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure government is accountable to the community
- Achieve results that the community values
- Ensure the fiscal strength of the City government
-

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- 2015 Parks and Recreation Needs Assessment

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Four Mile Run Park Wetlands Connector Bridge

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: TBD

Project Location: 3700 Commonwealth Avenue
Reporting Area: Potomac West
Project Category/Priority: 3 - New or Updated Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	200,000	0	200,000	0	0	0	0	0	0	0	0	0	200,000
Financing Plan													
Cash Capital	100,000	*0*	100,000	0	0	0	0	0	0	0	0	0	100,000
Prior Year Developer Contributions	100,000	*0*	100,000	0	0	0	0	0	0	0	0	0	100,000
Total Financing Plan	200,000	0	200,000	0	0	0	0	0	0	0	0	0	200,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017 - 2026.

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 would install an 80 foot bridge over the marsh and to the eastern part of the park at the softball field. The connector would improve safety in the park as one could exit the wetlands at either end without being trapped. In spring 2016 the wetlands will be opened for the first warm weather season and there will be 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 Recreation Center to access the wetlands for environmental science/education programs.

The 2015 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Multimodal Transportation Network

Focus Area: Healthy & Thriving Residents
- Improve City residents' overall health
- Improve the quality of residents' leisure time

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich

Sustain the natural quality of land within the City
Focus Area: Accountable, Effective, & Well-Managed Government
Achieve results that the community values
Focus Area: Safe, Secure & Just Community
- Reduce Crime

External or Internal Adopted Plan or Recommendation

- Open Space Master Plan, 2003
- Four Mile Run Master Plan, 2006
- Four Mile Run Design Guidelines, 2009
- Citywide Parks Improvement Plan, 2014
- Neighborhood Parks Improvement Plan, 2016
- 2015 Parks and Recreation Needs Assessment

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Potomac Yard Park Basketball Court Lights

Document Subsection: Park Maintenance & Improvements
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: TBD

Project Location: 2501 Potomac Avenue
Reporting Area: Potomac Yard/Potomac Greens
Project Category/Priority: 3 - New or Updated Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	150,000	0	150,000	0	0	0	0	0	0	0	0	0	150,000
Financing Plan													
Cash Capital	75,000	*0*	75,000	0	0	0	0	0	0	0	0	0	75,000
Private Capital Contributions	75,000	*0*	75,000	0	0	0	0	0	0	0	0	0	75,000
Total Financing Plan	150,000	0	150,000	0	0	0	0	0	0	0	0	0	150,000
Additional Operating Impact													
Annual Impact			1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957	17,196
Cumulative Impact			1,500	1,545	3,136	4,775	6,464	8,203	9,994	11,839	13,739	15,696	76,890

Changes from Prior Year CIP: This is a new project added for FY 2017 - 2026.

Project Description & Justification

This project will add court lights to the basketball courts recently 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 through 10pm when the park closes. The new lights will be the same as those on the adjacent tennis courts.

The project is in collaboration with a community group that has proposed partnering with the City to fundraise 50 percent of the cost of the lights over a three year time frame (their fundraising efforts would begin in FY 2017 to reach a goal of $75,000). Their fundraising strategy includes partnering with a 501c3 to seek grants focused on healthy living, individual donors, and to also hold fundraising basketball tournaments and events.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time
- Ensure all children and youth thrive and succeed
- Improve City residents' overall health

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Utility costs for the lights are anticipated to average $1,500 annually.

Patrick Henry Synthetic Turf Field and Outdoor Play Features

Document Subsection: Park Maintenance & Improvements
Managing Department: General Services
Supporting Department(s): Recreation, Parks & Cultural Activities
ORG: TBD

Project Location: 4643 Taney Ave.
Reporting Area: Seminary Hill
Project Category/Priority: 3 - New or Updated Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,150,000	0	0	2,150,000	0	0	0	0	0	0	0	0	2,150,000
Financing Plan													
GO Bonds	2,150,000	*0*	0	2,150,000	0	0	0	0	0	0	0	0	2,150,000
Total Financing Plan	2,150,000	0	0	2,150,000	0	0	0	0	0	0	0	0	2,150,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017 - 2026.

Project Description & Justification

If the Patrick Henry School, Recreation Center and Outdoor Space Plan (which is in the planning stage) includes space for a large athletic field, this project proposes 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 currently included.

This project also contemplates community uses that include one large playground and site fitness equipment to replace those that will be displaced by school construction at the Patrick Henry site. 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 anticipated to coincide with 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time
- Improve City residents' overall health
- Ensure all children and youth thrive and succeed

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

City Marina Maintenance

Document Subsection: Recreation Facility Maintenance
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): General Services
ORG: 44801684

Project Location: 107 N. Union St.
Reporting Area: Old Town
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,775,613	715,613	340,000	90,000	90,000	90,000	45,000	45,000	90,000	90,000	90,000	90,000	1,060,000
Financing Plan													
Prior City Funding	525,613	*525,613*											0
Cash Capital	900,000	*90,000*	90,000	90,000	90,000	90,000	45,000	45,000	90,000	90,000	90,000	90,000	810,000
GO Bonds	350,000	*100,000*	250,000	0	0	0	0	0	0	0	0	0	250,000
Total Financing Plan	1,775,613	715,613	340,000	90,000	90,000	90,000	45,000	45,000	90,000	90,000	90,000	90,000	1,060,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding reduced in FY 2021 and FY 2022. Funding added for FY 2026. No other changes.

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.

FY 2017 includes funding for the implementation of interim stabilization and repairs to the northern end of the Marina seawall/bulkhead. An engineering study of this area is currently in progress.

Funding in FY 2021 and FY 2022 is reduced based on anticipated construction of flood mitigation projects as part of the Waterfront Plan Implementation.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase the economic benefits of tourism to the City
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Waterfront Small Area Plan adopted by City Council, February 2012
- City Marina Facility Assessment, 2013

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

City Marina Maintenance (Continued)

City Marina Maintenance Category 1 Project List

Fiscal Year 2017		
Description		Amount
North Seawall Stabilization	$	250,000
Bollard Standardization	$	10,000
Severe Weather Repairs	$	15,000
Electrical Repairs	$	10,000
Plumbing Repairs	$	10,000
Fire Suppression Repairs	$	5,000
Walkway & Brick Paver Repairs	$	30,000
Railing Repairs	$	5,000
Public & Boater Restrooms Repairs	$	5,000
Total Fiscal Year 2017	$	340,000

Fiscal Year 2018		
Description		Amount
ADA Compliance Railings	$	35,000
Severe Weather Repairs	$	15,000
Elecrical Repairs	$	10,000
Plumbing Repairs	$	10,000
Fire Supression Repairs	$	5,000
Public & Boater Restrooms Repairs	$	5,000
Walkway Repairs	$	10,000
Total Fiscal Year 2018	$	90,000

Fiscal Year 2019		
Description		Amount
Severe Weather Repairs	$	15,000
Plumbing Repairs	$	10,000
Electrical Repairs	$	10,000
Fire Supression Repairs	$	5,000
Public & Boater Restroom Repairs	$	5,000
Fire Alarm Installation	$	25,000
Fire Cabinets	$	10,000
Walkway Repairs	$	10,000
Total Fiscal Year 2019	$	90,000

Public Pools

Document Subsection: Recreation Facility Maintenance
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): General Services
ORG: 44801683

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,645,114	1,125,114	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	520,000
Financing Plan													
Prior City Funding	1,021,114	*1,021,114*											0
Cash Capital	545,000	*52,000*	25,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	493,000
Prior Year/Close-Out	27,000	*0*	27,000	0	0	0	0	0	0	0	0	0	27,000
Total Financing Plan	1,645,114	1,125,114	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	520,000
Additional Operating Impact													0
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year CIP.

Project Description & Justification

This project includes annual funding for maintenance of all public swimming pool shells, structures, mechanical and filtration systems, decks, bathhouses, 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. The City is planning to operate Old Town, Charles Houston, Warwick, and Chinquapin Center pools in FY 2017. A list of projects to be completed in FY 2017 – 2019 can be found on the next page, 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.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve City residents' overall health
- Reduce City residents' incidents of preventable diseases
- Improve the quality of residents' leisure time
- Ensure all children and youth thrive and succeed

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Safe, Secure & Just Community
- Reduce harm to people or property from building failures
- Ensure all community members are treated justly and protected under the law

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- Outdoor Pools Facility Assessment, 2002
- 2011 and 2013 Parks and Recreation Needs Assessments
- Aquatics Facilities Study, 2012

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Public Pools (Continued)

Public Pools Category 1 Project List

Fiscal Year 2017		
Description		Amount
Old Town Pool Electrical Upgrades	$	30,000
Old Town Pool Hot Water Heater Replacement	$	14,000
Old Town Pool Plumbing Fixture Replacement	$	8,000
Total Fiscal Year 2017	$	52,000

Fiscal Year 2018		
Description		Amount
Chinquapin LED Lights	$	45,000
Replace Old Town Pool Storefront/Staff Office	$	7,000
Total Fiscal Year 2018	$	52,000

Fiscal Year 2019		
Description		Amount
Memorial Pool (Charles Houston) Electrical Upgrades	$	25,000
Old Town Pool Deck Lighting	$	27,000
Total Fiscal Year 2019	$	52,000

Recreation Centers Capital Facilities Maintenance Program (CFMP)

Document Subsection: Recreation Facility Maintenance
Managing Department: General Services
Supporting Department(s): Recreation, Parks & Cultural Activities
ORG: 44801641

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1- Asset Maintenance
Estimated Useful Life: Varies

Recreation Centers Capital Facilities Maintenance Program (CFMP)													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	10,821,040	3,821,040	675,000	725,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	7,000,000
Financing Plan													
Prior City Funding	3,121,040	*3,121,040*											
Cash Capital	3,580,000	*280,000*	125,000	375,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,300,000
GO Bonds	4,000,000	*300,000*	550,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,700,000
Prior Year/Close-Out - City	120,000	*120,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	10,821,040	3,821,040	675,000	725,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	7,000,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year CIP.

Project Description & Justification

This project provides an annual funding stream to address the capital maintenance needs at the City's eleven heavily-used neighborhood recreation centers and other recreational facilities. 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 Centers 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 expectancies of equipment and materials necessary to adequately maintain the Park and Recreation physical plant. In some cases, the equipment may be retained beyond the standard life expectancy if it is in good operating condition and it is cost-effective to do so.

A list of projects to be completed in FY 2017 – 2019 can be found on the next page, 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 Recreation Centers CFMP is used to maintain building capital assets. Maintenance keeps the building functioning properly, decreases costly repairs, and promotes a healthy environment.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve resident's overall health
- Ensure all children and youth thrive and succeed

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- 2011 & 2013 Parks and Recreation Needs Assessment
- 2013 RPCA Facilities Assessment

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Recreation Centers CFMP (Continued)

Recreation Centers CFMP Category 1 Project List

Fiscal Year 2017		
Description		Amount
Replace Carpet & HVAC Upgrade at Charles Barrett	$	29,600
Replace Equipment Cover at Charles Houston	$	5,000
Replace Exterior Hand Rails at Chinquapin	$	20,000
Upgrade Electrical at Colosanto Center	$	40,000
Exterior Lighting Upgrade and Main Distribution Panel at Cora Kelly	$	77,000
Floor Replacement/Deck Refurbishment at Buddie Ford Nature Center	$	135,000
Carpet Replacement in Conference Room/Auditorium and HVAC Replacement at Lee Center	$	145,400
Replace Flooring/Upgrade Arts and Crafts Room at Mount Vernon	$	96,000
Stage Lighting System at Oswald Durant	$	62,000
Exterior Door Replacement at William Ramsay	$	65,000
Total Fiscal Year 2017	$	675,000
Fiscal Year 2018		
Description		Amount
Gym Door Replacement/Interior Ceiling Upgrade/Fire Alarm Upgrade at Charles Barrett	$	135,000
Exterior Sealant/Refinish Concrete at Charles Houston	$	70,000
Replace Wall Divider at Chinquapin	$	25,000
Replace Entry Door at Colosanto Center	$	5,000
Paint Interior at Cora Kelly	$	25,000
Install Awning/Exterior Painting at Buddie Ford Nature Center	$	30,000
Kitchen Upgrade/Replace Folding Partition/Replace VFD's at Lee Center	$	115,000
Replace Partition/Restroom Upgrade/Exterior Sealant at Mount Vernon	$	140,000
Hot Water Heater Replacement/Flooring at Nannie J. Lee	$	93,000
Upgrade Electrical/Install Awning at Colosanto Center	$	25,000
Re-Commission HVAC at Oswald Durant Center	$	62,000
Total Fiscal Year 2018	$	725,000
Fiscal Year 2019		
Description		Amount
Upgrade Gym Lighting at Charles Houston	$	175,250
Replace Skylights/Upgrade HVAC Not Completed in Last Project at Chinquapin	$	524,750
Total Fiscal Year 2019	$	700,000

Recreation Facilities Security

Document Subsection: Recreation Facility Maintenance
Managing Department: General Services
Supporting Department(s): Recreation, Parks & Cultural Activities
ORG: 44802466

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 - New Facilities
Estimated Useful Life: Varies

Recreation Facilities Security Review

	A (B+M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	135,000	135,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	135,000	*135,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	135,000	135,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	7,000	7,210	7,426	7,649	7,879	8,115	8,358	53,637
Cumulative Impact			0	0	0	7,000	14,210	21,636	29,285	37,164	45,279	53,637	208,212

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

In 2014, the Alexandria Police Department (APD) performed a security review of the City's eleven recreation centers.

The APD Assessment used national standards including Crime Prevention Through Environmental Design (CPTED) and the 2013 School Safety Inspection Checklist for Virginia Public Schools.

The APD Assessment focused on evaluating safety factors related to potential for criminal activity. The result of this review was a safety evaluation that identified vulnerabilities and provided recommendations for remedy actions. These recommendations included a range of items from changes to lock systems, creation of "safe" areas and surveillance systems, to robust building and site modifications and preventive/incident response training for staff.

The Recreation Facilities Security project will fund implementation of door and access improvements for security enhancements at the City's recreation centers.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time
- Improve resident's overall health
- Ensure all children and youth thrive and succeed

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Operating impact of $7,000 is identified as starting in FY 2020, with a 3% inflation rate applied to operating impact for FY 2021 – FY 2026.

Chinquapin Aquatics Center

Document Subsection: Renovated or New Recreation Facilities
Managing Department: Recreation Parks & Cultural Activities
Supporting Department(s): General Services
ORG: 44802221

Project Location: 3210 King Street
Reporting Area: Taylor Run
Project Category: 3 – New Facilities
Estimated Useful Life: Varies

Chinquapin Aquatics Center													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	22,850,000	500,000	4,500,000	17,850,000	0	0	0	0	0	0	0	0	22,350,000
Financing Plan													
Cash Capital	1,328,000	*500,000*	328,000	500,000	0	0	0	0	0	0	0	0	828,000
GO Bonds	19,022,000	*0*	4,172,000	14,850,000									19,022,000
Private Capital Contributions	2,500,000	*0*	0	2,500,000	0	0	0	0	0	0	0	0	2,500,000
Total Financing Plan	22,850,000	500,000	4,500,000	17,850,000	0	0	0	0	0	0	0	0	22,350,000
Additional Operating Impact													
Annual Impact			0	0	1,250,000	1,287,500	1,326,125	1,365,909	1,406,886	1,449,093	1,492,565	1,537,342	11,115,420
Cumulative Impact			0	0	1,250,000	2,537,500	3,863,625	5,229,534	6,636,420	8,085,512	9,578,078	11,115,420	48,296,089

Changes from Prior Year CIP: No significant changes from prior year CIP.

Project Description & Justification

This project provides funding for an aquatics feasibility study and subsequent design and construction of an aquatics center at the Chinquapin site. Based on available funding for this project in last year's approved CIP and the balance of "Aquatics Facilities TBD" funding, a total of $22.9 million is available for Chinquapin Aquatics Facilities improvements ($22.4 million in FY 2017 – 2026). The project budget includes $2.5 million in anticipated private capital contributions.

In FY 2014, the City began a feasibility study to determine the viability, scale and scope of a new regulation size competition pool, such as a 50 meter pool and support facilities, given the site constraints and Citywide needs. The study includes pro forma to determine associated operating cost needs. The study was completed in 2015 and will help guide design and construction.

City staff looked at different options to potentially reduce the cost of a new facility, and evaluated seven options in the fall of 2015. The total project cost depends on the size of the expansion / improvements and has been estimated at a cost ranging from $22 million to $28.3 million for a 50 meter x 25 yard (50 x 25) pool. If City Council were to move forward with a 50 x 25 pool option beyond the $23.5 million planned in the CIP, planned funding for other projects throughout the CIP would need to be reprogrammed to provide the additional $1 - $7 million required to fully fund those 50 x 25 pool options.

Funding for construction is planned in FY 2017 – 2018. In the FY 2016 CIP, funding was planned for FY 2016 – 2017. Funding has been pushed back a year to allow for identification of additional funding required for a 50 x 25 yard pool (if a 50 x 25 pool is desired), and review of operating costs of the new facility in the context of the City's five-year financial plan.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve resident's overall health
- Ensure all children and youth thrive and succeed

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich

Focus Area: Accountable, Effective, & Well-Managed Government
- Achieves results the community values

External or Internal Adopted Plan or Recommendation

- Aquatics Facility Study, 2012
- 2011, 2013 & 2015 Parks and Recreation Needs Assessments

Additional Operating Budget Impact

A detailed analysis of the annual operating impact will be determined as part of the initial feasibility study. A very rough estimate of additional annual operating impacts for the 50 x 25 pool and recreation pool (of which some funding is currently budgeted) is an additional $1.25 million with offsetting revenues to be determined.

Warwick Pool Renovations

Document Subsection: Renovated or New Recreation Facilities
Managing Department: Recreation Parks & Cultural Activities
Supporting Department(s): General Services
ORG: 44801689

Project Location: 3301 Landover Street
Reporting Area: Potomac West
Project Category: 2 – Renovations/Existing Assets
Estimated Useful Life: 20 Years

Warwick Pool Renovations													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,300,000	150,000	2,150,000	0	0	0	0	0	0	0	0	0	2,150,000
Financing Plan													
Prior City Funding	150,000	*150,000*											0
GO Bonds	2,150,000	*0*	2,150,000	0	0	0	0	0	0	0	0	0	2,150,000
Total Financing Plan	2,300,000	150,000	2,150,000	0	0	0	0	0	0	0	0	0	2,150,000
Additional Operating Impact													
Annual Impact			0	106,240	109,427	112,710	116,091	119,574	123,161	126,856	130,662	134,582	1,079,303
Cumulative Impact			0	106,240	215,667	328,377	444,469	564,043	687,204	814,060	944,722	1,079,303	5,184,085

Changes from Prior Year CIP: No changes from prior year CIP.

Project Description & Justification

This project will provide funding to design and construct a renovated facility at the Warwick Pool site. Warwick Pool, located adjacent to Landover Playground at 3301 Landover Street, is on property leased to the City by the Virginia Theological Seminary. The pool lease was transferred to the City by the Warwick Investors in 1978. Site features include a 25-yard pool with a diving well, a separate wading pool, and a bathhouse and community room. Original construction of the pool is thought to be 1958. Significant capital investments have been required over the past 35 years. In 2002, an engineering analysis of the pool was completed, finding structural issues related to the pool's construction and other site conditions.

The condition of the pool has deteriorated to a state where it has been closed since fall 2014.

In December 2015 CARDNO, Inc. completed an architecture and engineering consulting study for the facility. The purpose of this study was to determine the feasibility of renovation or replacement.
The preferred alternative for the pools consists of replacement of the existing facilities with new construction of similar design. The preferred alternative for the bath house is to construct a new one-story seasonal replacement facility. The total anticipated construction costs for the project, determined in the recent feasibility study, range from $1.7 million to $2.1 million.

In January 2016, City Council approved the recommended alternative and authorized the City Manager to proceed.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve City residents' overall health
- Reduce City residents' incidents of preventable diseases
- Ensure all children and youth thrive and succeed

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich

Focus Area: Accountable, Effective, & Well-Managed Government
- Achieves results the community values

Focus Area: Safe, Secure & Just Community
- Reduce harm to people or property from building failures
- Ensure all community members are treated justly and protected under the law

External or Internal Adopted Plan or Recommendation

- January 2016 City Council Docket Item
- FY 2016 Budget Memo #7 – "Response to Council Questions" – *Warwick Pool*
- Aquatics Facility Study, completed May 2012
- 2011, 2013 and 2015 Parks and Recreation Needs Assessments

Additional Operating Budget Impact

Operating budget estimates (including staffing and utilities) are roughly based on FY 2015 operating budget costs. Final design of the improvements will inform a more precise operating budget impact. FY 2017 represents operating costs from pool opening to the end of the fiscal year.

Braddock Area Plan Park

Document Subsection: Renovated or New Recreation Facilities
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): Planning & Zoning
ORG: 44802154

Project Location: 600 N. Henry St.
Reporting Area: Braddock Road Metro
Project Category: 3 – New Facilities
Estimated Useful Life: TBD

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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,528,599	1,824,994	0	0	0	703,605	0	0	0	0	0	0	703,605
Financing Plan													
Prior City Funding	100,000	*100,000*											0
Private Capital Contributions	2,123,599	*1,419,994*	0	0	0	703,605	0	0	0	0	0	0	703,605
Lease Proceeds	305,000	*305,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,528,599	1,824,994	0	0	0	703,605	0	0	0	0	0	0	703,605
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No significant changes from prior year 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) are currently undertaking planning efforts for the Braddock Plan open space/park, including the city-owned 600 N. Henry Street property. The City is actively engaged in a park planning process with the Braddock Implementation Advisory Group, Parks and Recreation Commission and the community.

Additional funding beyond FY 2017 is from anticipated development contributions only. A request for $10.0 million in additional City funding was not included as part of the Capital Improvement Program. The additional $10.0 million would be required to complete a new one-acre park, including the cost of additional property acquisition. 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.

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, and families to interact and engage in a safe "third place" - a place outside of work or home.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve resident's overall health
- Improve the quality of residents' leisure time

Focus Area: Livable, Green, & Prospering City
- Sustain the natural quality of land within the City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase the value of the real estate tax base

Focus Area: Accountable, Effective, & Well-Managed Government
- Achieve the results the community values

External or Internal Adopted Plan or Recommendation

- Braddock East Master Plan adopted by City Council, October 2008
- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- Recommended by the Braddock Implementation Advisory Group as a Priority, 2013

Additional Operating Budget Impact

Future additional operating impacts will be estimated through the planning process.

Patrick Henry Recreation Center

Document Subsection: Renovated or New Recreation Facilities
Managing Department: General Services
Supporting Department(s): Recreation, Parks & Cultural Activities
ORG: 44342214

Project Location: 4643 Taney Ave.
Reporting Area: Seminary Hill
Project Category 3 – New Facilities
Estimated Useful Life: 40 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	6,778,000	6,778,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	1,078,000	*1,078,000*	0	TBD	0	0	0	0	0	0	0	0	0
GO Bonds	5,700,000	*5,700,000*	0	TBD	0	0	0	0	0	0	0	0	0
Total Financing Plan	6,778,000	6,778,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													0
Annual Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	0
Cumulative Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	0

Changes from Prior Year CIP: No significant changes from prior year CIP. City still has potential undetermined cost for Patrick Henry Recreation Center in FY 2018, related to currently unknown cost pressures for site infrastructure and outdoor recreation areas.

Project Description & Justification

This project provides funding for the renovation of the Patrick Henry Recreation Center. The program development process for the Patrick Henry project was completed in 2008. Based on findings provided in the 2008 development process, the building's support systems are either at the end of their useful life or not compliant with current codes and require replacement. These include aged electrical and mechanical systems, electrical systems, fire protection systems and architectural and site improvements required for ADA compliance.

The project timeline coincides with the Alexandria City Public Schools' (ACPS) planning and design process for the Patrick Henry School capacity project. This project is currently in the concept design stage. Depending on the final design and construction costs, the budget for this project may need to be increased in FY 2018.

This project helps maintain the value of the City's physical assets. 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. Major renovations also help maintain the value of the City's capital infrastructure.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 4 – Children, Youth & Families

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government
- Achieve results the community values

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time
- Improve resident's overall health
- Ensure all children and youth thrive and succeed

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- 2011 & 2013 Parks and Recreation Needs Assessment

Additional Operating Budget Impact

Unknown at this time. Additional operating budget impacts will be determined once the scope of work has been finalized.

City Marina Utility Upgrades

Document Subsection: Renovated or New Recreation Facilities
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): General Services
ORG: 44802465

Project Location: 107 N. Union St.
Reporting Area: Old Town
Project Category/Priority: 2 – Renovations/Existing Assets
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,250,000	*187,000*	*1,063,000*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	1,063,000
Financing Plan													
Cash Capital	187,000	*187,000*	0	0	0	0	0	0	0	0	0	0	0
GO Bonds	1,063,000	*0*	1,063,000	0	0	0	0	0	0	0	0	0	1,063,000
Total Financing Plan	1,250,000	187,000	1,063,000	0	0	0	0	0	0	0	0	0	1,063,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP.

Project Description & Justification

The existing Marina electrical service is not consistent with the service needs of contemporary vessels that use the marina today. Upgrades would meet modern usage standards of larger boats. 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 underperforming 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.

An engineering study for this project is currently underway and is anticipated to be complete in the third quarter of FY 2016. This project includes funding in FY 2017 for upgrades to the full facility; pier/dockside electrical service; and replacement of pier utility pedestals consistent with current use and locations. The request for proposals process is anticipated to begin in the first quarter of FY 2017.

Additional funds may be necessary if the marina is expanded or modified. Additional funds may be necessary for implementation should the current configuration be modified as a part of the Waterfront Small Area planning process.

This project will improve the level of service and increase the extent of benefit to residents and visitors at the City's Marina.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase the economic benefits of tourism to the City
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Waterfront Small Area Plan adopted by City Council, February 2012
- City Marina Facility Condition Assessment, 2013

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Citywide Parks Improvement Plan

Document Subsection: Renovated or New Recreation Facilities
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 2 – Renovations/Existing Assets
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	3,818,000	0	350,000	468,000	500,000	0	500,000	0	500,000	500,000	500,000	500,000	3,818,000
Financing Plan													
Cash Capital	1,150,000	*0*	100,000	150,000	150,000	0	150,000	0	150,000	150,000	150,000	150,000	1,150,000
GO Bonds	2,543,000	*0*	125,000	318,000	350,000	0	350,000	0	350,000	350,000	350,000	350,000	2,543,000
Prior Year/Close-Out	125,000	*0*	125,000	0	0	0	0	0	0	0	0	0	125,000
Total Financing Plan	3,818,000	0	350,000	468,000	500,000	0	500,000	0	500,000	500,000	500,000	500,000	3,818,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added to the project for FY 2019, FY 2021, and FY 2023-2026 to fund identified priority improvements in Holmes Run Park and Chinquapin Park.

Project Description & Justification

The City's six citywide (over 10 acres), 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 2017 and FY 2018 will renovate the restrooms and upgrade the park entrance and circulation at Joseph Hensley Park. The project will coincide with other planned improvements at Joseph Hensley Park to minimize the disruption of services. Additional funding will be needed after FY 2026 to complete the Citywide Parks Improvement Plan recommendations.

Future improvements, identified as priorities in the plan, include:

- 2019 - Holmes Run Park: Redesign the All Veterans section of the Park, and upgrade the utilities serving the park
- 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase the economic benefits of tourism to the City
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks and Recreation, 2003
- Four Mile Run Restoration Master Plan, 2006
- Athletic Field Study, 2008
- Four Mile Run Design Guidelines, 2009
- Citywide Parks Improvement Plan, 2014
- 2013 and 2015 Parks and Recreation Needs Assessments

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Fort Ward Management Plan Implementation

Document Subsection: Renovated or New Recreation Facilities
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): Office of Historic Alexandria
ORG: 44802467, 44802468

Project Location: 4301 West Braddock Road
Reporting Area: Seminary Hill
Project Category/Priority: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,395,000	200,000	275,000	0	400,000	0	170,000	0	150,000	0	200,000	0	1,195,000
Financing Plan													
Cash Capital	1,395,000	*200,000*	275,000	0	400,000	0	170,000	0	150,000	0	200,000	0	1,195,000
Total Financing Plan	1,395,000	200,000	275,000	0	400,000	0	170,000	0	150,000	0	200,000	0	1,195,000
Additional Operating Impact													
Annual Impact			10,000	10,300	10,609	16,000	21,000	17,000	22,000	18,000	23,000	19,000	166,909
Cumulative Impact			10,000	10,300	20,909	36,909	57,909	74,909	96,909	114,909	137,909	156,909	717,572

Changes from Prior Year CIP: No significant changes from prior year 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 requested 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 2017 Funding –

- Restore former maintenance yard including required archaeology ($186,000)
- Improve loop road for ADA compliant pedestrian use ($7,000)
- Develop ADA compliant access paths between parking and picnic shelter with pervious material ($82,000)

FY2019 Funding –

- Phase I soft interpretive trail installation ($150,000)
- Remove off-leash dog exercise area ($4,000)
- 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 ($196,000)

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase the economic benefits of tourism to the City
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks and Recreation, 2003
- Recommendation of the Ad Hoc Fort Ward Park and Museum Area Stakeholder Advisory Group (2011-2014)
- Fort Ward Park and Museum Area Management Plan, 2015

Additional Operating Budget Impact

Many of the items will not require additional operating funds. Aeration and seeding of the park to improve drainage and soil conditions, along with additional tree planting are beyond current operational capacity and budget.

Open Space Acquisition and Development

Document Subsection: Open Space Acquisition & Development
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: 44801687

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: Varies

Open Space Acquisition and Development	A (B+M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	38,284,551	18,884,551	1,325,000	2,075,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	19,400,000
Financing Plan													
Prior City/Open Space Funding	18,884,551	*18,884,551*											0
Cash Capital	2,400,000	*0*	75,000	325,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,400,000
GO Bonds	10,200,000	*0*	450,000	250,000	750,000	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000	10,200,000
Prior Year/Close-Out - City	6,800,000	*0*	800,000	1,500,000	1,000,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	6,800,000
Total Financing Plan	38,284,551	18,884,551	1,325,000	2,075,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	19,400,000
Additional Operating Impact													
Annual Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: Planned funding went from $21.0 million in last year's plan through FY 2025 to $19.4 million in this year's plan. The reduction was to offset other priority capital investments Citywide while still leaving a substantial amount of funding programmed for open space acquisition in the future. Funding in the amount of $2.0 million is added in FY 2026.

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, including the City's Waterfront Master Plan.

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 purchased13 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve resident's overall health
- Improve the quality of residents' leisure time

Focus Area: Livable, Green, & Prospering City
- Sustain the natural quality of land within the City
- Improve the City's air quality
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government
- Achieve the results the community values
- Ensure the government is accountable to the community

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- Eco-City Alexandria Environmental Action Plan, adopted by City Council, June 2009
- Urban Forestry Master Plan, 2009
- 2011, 2013 and 2015 Parks and Recreation Needs Assessments

Additional Operating Budget Impact

Operating impacts are unknown until specific parcels of land are acquired and the scope of improvements is defined.

Chinquapin Pool Skylight Replacement

Document Subsection: Aquatics Facilities
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: TBD

Project Location: 3210 King Street
Reporting Area: Taylor Run
Project Category/Priority: 2 - Renovations/Existing Assets or Facilities
Estimated Useful Life: 30 Years

Chinquapin Pool Skylight Replacement													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	375,000	0	0	0	0	0	0	0	0	0	0	375,000	375,000
Financing Plan													
Cash Capital	375,000	*0*	0	0	0	0	0	0	0	0	0	375,000	375,000
Total Financing Plan	375,000	0	0	0	0	0	0	0	0	0	0	375,000	375,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017 - 2026.

Project Description & Justification

This project was a part of the approved work for the major HVAC capital project renovation of Chinquapin Recreation Center in 2012-13, in-part as an energy saving measure. At time of construction, this project was deleted from the scope of work as a cost savings measure and remains incomplete.

The skylights are original to the building. They are more than 30 years old and subject to periodic leaking. Emergency repairs would likely impact programing in the City's only indoor pool because of the need to erect scaffolding in the pool itself during repairs/construction.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time
- Improve City residents' overall health

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieve results that the community values

External or Internal Adopted Plan or Recommendation

N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Colosanto Pool Demolition/Spray ground Conversion

Document Subsection: Aquatics Facilities
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: TBD

Project Location: 2704 Mount Vernon Avenue
Reporting Area: Potomac West
Project Category/Priority: 3 - New or Updated Facilities
Estimated Useful Life: 20 Years

Colosanto Pool Demolition/Spray Ground Conversion													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	450,000	0	0	0	0	0	0	450,000	0	0	0	0	450,000
Financing Plan													
Cash Capital	450,000	*0*	0	0	0	0	0	450,000	0	0	0	0	450,000
Total Financing Plan	450,000	0	0	0	0	0	0	450,000	0	0	0	0	450,000
Additional Operating Impact													0
Annual Impact			0	0	0	0	0	12,000	12,360	12,731	13,113	13,506	63,710
Cumulative Impact			0	0	0	0	0	12,000	24,360	37,091	50,204	63,710	187,364

Changes from Prior Year CIP: This is a new project added for FY 2017 - 2026.

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 recommended significant changes to the facility at Colosanto. The existing pool was closed and remains closed to the community. The project will fill the existing Colosanto pool and eliminate the existing safety hazards associated with a closed, unstaffed pool. The project also includes building a new interactive water feature or sprayground on the site. This project will benefit a broad range of City residents and visitors and will be operated similar to the successful interactive fountain at Potomac Yard Park. Aquatics is consistently identified as an unmet need for residents in Alexandria in the Park and Recreation Needs Assessments.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time
- Ensure all children and youth thrive and succeed
- Improve City residents' overall health

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values

External or Internal Adopted Plan or Recommendation

- Aquatics Facility Study, completed May 2012
- 2013 Parks and Recreation Needs Assessment,
-

Additional Operating Budget Impact

There will be an increase in utility and maintenance costs for the new spray ground feature. Estimated operating impacts are based on the Potomac Yard Park interactive fountain.

Ewald Pool Demolition

Document Subsection: Aquatics Facilities
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: TBD

Project Location: 4452 Duke Street
Reporting Area: Seminary Hill
Project Category/Priority: 2 - Renovations/Existing Assets or Facilities
Estimated Useful Life: 30 Years

Ewald Pool Demolition													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	450,000	0	0	0	0	450,000	0	0	0	0	0	0	450,000
Financing Plan													
Cash Capital	450,000	*0*	0	0	0	450,000	0	0	0	0	0	0	450,000
Total Financing Plan	450,000	0	0	0	0	450,000	0	0	0	0	0	0	450,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017 - 2026.

Project Description & Justification

This project will demolish and remove the existing in-ground pool, deck, and poolhouse that were closed to the public in 2011 due to low demand. The project will eliminate the existing safety hazards associated with a closed, unstaffed pool. The work will occur on a limited access/staging and topographically constrained site adjacent to residential neighborhoods and eastbound Duke Street. The work will require significant staging and access considerations including restoration of the existing parking area upon completion of the work. The site will be restored with imported topsoil and grass, and replacement pedestrian walkways will be installed in anticipation of implementation of the Neighborhood Parks Improvements Plan for Ewald Park. This project is an essential first step to other improvements in the park since it currently occupies the center of the site.

The plan will provide two multi-use courts on the site of the existing pool and poolhouse. The plan recommends replacing the pool and poolhouse with sport courts to meet the increasing demand in the City. One of the courts will be a multi-use court and include a movable net for tennis and pickleball. The other court will be used for futsal (court soccer). This work will open the site visually to Duke Street thereby increasing visitor safety.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich

Focus Area: Accountable, Effective, & Well-Managed Government
Achieve results that the community values
Focus Area: Safe, Secure & Just Community
- Reduce harm to people or property from building failures

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- Neighborhood Parks Improvement Plan, 2016
- Aquatics Facility Study, completed May 2012
-

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Old Town Pool Renovations

Document Subsection: Aquatics Facilities
Managing Department: Recreation, Parks & Cultural Activities
Supporting Department(s): N/A
ORG: TBD

Project Location: 1609 Cameron Street
Reporting Area: Braddock Road Metro
Project Category/Priority: 3 - New or Updated Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	4,500,000	0	0	0	0	0	500,000	4,000,000	0	0	0	0	4,500,000
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
Total Financing Plan	4,500,000	0	0	0	0	0	500,000	4,000,000	0	0	0	0	4,500,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017 - 2026.

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. The project will provide new amenities such as zero depth entry for children's area, a new aquatic play structure, and water slide. 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time
- Ensure all children and youth thrive and succeed
- Improve City residents' overall health
- Reduce City residents' incidents of preventable diseases
- Ensure the educational and developmental attainment of all residents

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

Focus Area: Safe, Secure & Just Community

- Reduce harm to people or property from building failures
- Ensure all community members are treated justly and protected under the law

External or Internal Adopted Plan or Recommendation

- Strategic Master Plan for Open Space, Parks & Recreation approved by City Council, May 2003
- Aquatic Facilities Study, May 2012

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

PUBLIC BUILDINGS

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Public Buildings
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Public Buildings											
General Government Facilities											
Capital Planning & Building Assessment (Condition Assessment)	200,000	95,000	450,000	300,000	0	100,000	100,000	100,000	0	0	1,345,000
City Hall HVAC & Infrastructure Replacement	750,000	500,000	500,000	4,425,000	500,000	27,350,000	2,500,000	0	0	0	36,525,000
Deduction Meter Implementation	97,500	0	0	0	0	0	0	0	0	0	97,500
Emergency Generators	0	76,000	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	1,691,000
Energy Management Program	650,000	1,495,000	125,000	675,000	675,000	775,000	875,000	975,000	760,000	675,000	7,680,000
Fleet Fuel and Performance Data Management System	0	200,000	0	0	0	0	0	0	0	0	200,000
Fuel Island Renovation Design Only	600,000	TBD	TBD	0	0	0	0	0	0	0	600,000
General Services CFMP	200,000	200,000	200,000	356,000	570,000	548,000	219,000	407,000	0	0	2,700,000
Market Square Plaza and Garage Structural Repairs	550,000	0	0	0	3,000,000	0	3,500,000	0	0	0	7,050,000
Old Town Parking Garage Ticketing Modernization	0	0	0	0	0	0	0	0	0	0	0
Parking at 200 N Union Street	300,000	0	0	0	0	0	0	0	0	0	300,000
Roof Replacement Program	1,110,000	72,000	0	536,000	748,000	72,000	0	0	0	0	2,538,000
Municipal Facilities Planning Project	250,000	0	0	0	0	0	0	0	0	0	250,000
Library Facilities											
Alexandria Library Security Enhancements	0	0	70,000	0	0	0	0	0	0	0	70,000
Beatley Building Envelope Restoration	150,000	1,020,000	0	0	0	0	0	0	0	0	1,170,000
Ellen Coolidge Burke Facility Space Planning	0	0	0	0	0	0	0	0	0	0	0
Library CFMP	10,000	0	0	0	19,000	269,000	66,000	87,000	0	0	451,000
Preservation of Historic Facilities											
City Historic Facilities CFMP	111,000	310,000	0	3,034,000	1,096,000	995,000	0	0	0	0	5,546,000
Gadsby's Tavern Restaurant Kitchen Equipment	245,000	0	0	0	0	0	0	0	0	0	245,000
Gadsy's Tavern Elevator Design and Construction	0	0	0	0	0	0	250,000	1,200,000	0	0	1,450,000
Torpedo Factory Space Programming Study	0	250,000	TBD	TBD	0	0	0	0	0	0	250,000

Public Buildings
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Projects (continued)

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Public Buildings											
Public Health & Welfare Facilities											
Health Department CFMP	6,414,000	651,000	0	2,254,000	0	1,449,000	0	5,375,000	0	0	16,143,000
Health Dept Garage Concrete Deck & Parking Restoration	360,000	0	0	0	0	0	0	0	0	0	360,000
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 Safety Facilities											
Animal Shelter Exterior Dog Kennels	258,000	0	0	0	0	0	0	0	0	0	258,000
Courthouse Renovations - HVAC and CFMP	87,000	736,000	0	2,580,000	0	0	0	2,063,000	3,551,000	0	9,017,000
EOC/Public Safety Center Reuse	0	0	0	0	0	0	0	0	0	0	0
Fire & Rescue CFMP	200,000	240,000	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,940,000
Fire Station 203 (Cameron Mills)	0	6,900,000	0	0	0	0	0	0	0	0	6,900,000
Fire Station 205 (Cameron Street)	0	250,000	3,150,000	7,873,000	0	0	0	0	0	0	11,273,000
Fire Station 206 (Seminary Rd)	0	0	0	0	720,000	0	10,808,000	0	0	0	11,528,000
Fire Station 207 (Duke Street)	0	0	0	0	0	0	0	3,500,000	0	14,700,000	18,200,000
Fire Station 211 (Beauregard)	0	0	1,100,000	5,000,000	7,100,000	0	0	0	0	0	13,200,000
New Burn Building	0	0	0	0	250,000	1,140,000	0	0	0	0	1,390,000
Office of the Sheriff CFMP	556,000	0	0	485,000	843,000	0	0	0	0	0	1,884,000
Pistol Range	1,100,000	0	0	0	0	0	0	0	0	0	1,100,000
Police K-9 Facility Renovation	0	0	0	0	0	0	0	0	0	0	0
Vola Lawson Animal Shelter	0	0	0	128,000	0	87,000	0	0	0	0	215,000
Total	14,273,500	13,070,000	5,770,000	28,322,000	16,197,000	33,200,000	18,886,000	14,007,000	4,691,000	15,900,000	164,316,500

General Services Capital Facilities Maintenance Program (CFMP)

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: 45341727

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	16,204,737	*13,504,737*	200,000	200,000	200,000	356,000	570,000	548,000	219,000	407,000	0	0	2,700,000
Financing Plan													
Prior City Funding	12,404,737	*12,404,737*											0
Cash Capital	2,169,000	*300,000*	50,000	200,000	200,000	300,000	300,000	300,000	219,000	300,000	0	0	1,869,000
GO Bonds	1,531,000	*800,000*	50,000	0	0	56,000	270,000	248,000	0	107,000	0	0	731,000
Prior Year/Close-Out	100,000	*0*	100,000	0	0	0	0	0	0	0	0	0	100,000
Total Financing Plan	16,204,737	*13,504,737*	200,000	200,000	200,000	356,000	570,000	548,000	219,000	407,000	0	0	2,700,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: All Public Building CFMP's have been adjusted significantly to reflect the recommendations of the ongoing Building Physical Conditions Assessment and to ensure that CFMP funds are spent on the highest priority repairs.

Project Description & Justification

The General Services Capital 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 expectancies 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 good 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 and plumbing systems; and window and roof replacements. Funds are also budgeted for the three City commercial parking garages. A prioritized list of projects planned for FY 2017 - 2019 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Healthy & Thriving Residents
- Improve the quality of residents' leisure time
- Improve resident's overall health
- Ensure all children and youth thrive and succeed

Focus Area: Livable, Green, & Prospering City
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

General Services CFMP (Continued)

General Services CFMP Category 1 Project List

Fiscal Year 2017		
Description		Amount
City-wide Capital Maintenance and Replacement Requirements at City Facilities	$	200,000
Total Fiscal Year 2017	$	200,000

Fiscal Year 2018		
Description		Amount
City-wide Capital Maintenance and Replacement Requirements at City Facilities	$	200,000
Total Fiscal Year 2018	$	200,000

Fiscal Year 2019		
Description		Amount
City-wide Capital Maintenance and Replacement Requirements at City Facilities	$	200,000
Total Fiscal Year 2019	$	200,000

Energy Management Program

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): Multiple Departments
ORG: 45341736

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated Useful Life: 5-15 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	10,447,901	*2,767,901*	650,000	1,495,000	125,000	675,000	675,000	775,000	875,000	975,000	760,000	675,000	7,680,000
Financing Plan													
Prior City Funding	2,767,901	*2,767,901*											0
Cash Capital	1,200,000	*0*	80,000	90,000	100,000	110,000	110,000	130,000	150,000	170,000	130,000	130,000	1,200,000
GO Bonds	6,360,000	*0*	450,000	1,405,000	25,000	565,000	565,000	645,000	725,000	805,000	630,000	545,000	6,360,000
Prior Year/Close-Out	120,000	*0*	120,000	0	0	0	0	0	0	0	0	0	120,000
Total Financing Plan	10,447,901	*2,767,901*	650,000	1,495,000	125,000	675,000	675,000	775,000	875,000	975,000	760,000	675,000	7,680,000
Additional Operating Impact													
Annual Impact			0	(125,000)	(125,000)	(129,000)	(85,000)	(85,000)	(105,000)	(125,000)	(145,000)	(127,000)	(1,051,000)
Cumulative Impact			0	(125,000)	(250,000)	(379,000)	(464,000)	(549,000)	(654,000)	(779,000)	(924,000)	(1,051,000)	(1,051,000)

Changes from Prior Year CIP: Overall project funding increased by approximately $2 million, over the the 10 year plan.

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 the Alexandria City Council Strategic Plan Goals two and five; the 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 and employee energy conservation improvements and the use of energy-efficient technology in new and existing buildings and operations to achieve greater efficiency.

Continued emphasis will be placed on energy consumption analysis; the 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.

Those projects consisting of integration with existing systems will require engineering planning and design so as to maximize outcomes of energy conservation, energy efficiency, and to meet City Council strategic goals. A prioritized list of projects planned for FY 2017 - 2019 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.

Implementation of this new capital infrastructure support 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. 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, and water resources.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, & Prospering City

- Improve the City's air quality
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

External or Internal Adopted Plan or Recommendation

- Eco-City Charter adopted by City Council, June 2008
- Eco-City Alexandria Environmental Action Plan, adopted by City Council, June 2009
- Energy and Climate Change Action Plan approved by City Council, May 2011

Additional Operating Budget Impact

The implementation of the Energy Management CIP would have a positive impact to the annual Operating Budget. Energy conservation, energy efficiency, and energy management project implementation reduces the amount of energy resources the City consumes and the corresponding costs.

Energy Management Program (Continued)

Energy Management Program Category 1 Project List

Fiscal Year 2017		
Description		Amount
Facility Lighting Retrofits (Various Facilities)	$	100,000
2900 Business Center Drive - Lighting Retrofits	$	250,000
2355 Mill Road - Lighting Retrofits	$	75,000
Recreation Center Gymnasiums - Lighting Retrofits	$	100,000
Energy Project Specialist	$	125,000
Total Fiscal Year 2017	$	650,000

Fiscal Year 2018		
Description		Amount
Recreation Center Gymnasiums - Lighting Retrofits	$	70,000
Lee Center - Lighting Retrofits	$	300,000
Re-/Retro Commissioning (Courthouse, Charles Barrett, Durant, OHA)	$	355,000
Facility Advanced Metering Infrastructure	$	100,000
Fire Station 204 - Lighting Retrofit	$	200,000
Solar Photovoltaic Systems at City Facilities	$	200,000
Facility Lighting Retrofits (Various Facilities: rec centers, fire stations, OHA)	$	145,000
Energy Project Specialist	$	125,000
Total Fiscal Year 2018	$	1,495,000

Fiscal Year 2019		
Description		Amount
Energy Project Specialist	$	125,000
Total Fiscal Year 2019	$	125,000

Fleet Fuel and Performance Data Management System

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): Multiple Departments
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 3 – New Facilities/Service
Estimated Useful Life: N/A

Fleet Fuel and Performance Data Management System													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	200,000	*0*	0	200,000	0	0	0	0	0	0	0	0	200,000
Financing Plan													
Cash Capital	200,000	*0*	0	200,000	0	0	0	0	0	0	0	0	200,000
Total Financing Plan	200,000	*0*	0	200,000	0	0	0	0	0	0	0	0	200,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017.

Project Description & Justification

The Fleet Fuel and Performance Data Management System will provide for software and hardware that will be incorporated into the City's existing fleet and fuel management system to improve the quality and accuracy of City fleet data, provide data required for predictive fleet maintenance, improve fuel efficiency and increase the efficiency, security and control of the City's fuel dispensing operations at the City's two fuel islands.

The system will utilize Radio Frequency Identification technology with equipment installed on both the fuel dispensers and in each City-owned fleet unit that will allow for fueling without the need for a fuel card or a manually entered odometer reading while increasing security at City fuel sites by restricting fueling to only vehicles that have the appropriate hardware installed. The system will also allow for the transmission of vehicle performance data between the vehicle and the fleet and fuel management system, including odometer readings, engine hours, oil level and pressure, battery condition, tire pressure, engine temperature and other on-board diagnostic codes improving the fleet's efficiency, condition, safe operation, while reducing maintenance and repair costs which will provide for predictive maintenance as well as scheduled maintenance. This will also result in a comprehensive database with vehicle performance data including miles driven, fuel economy and mechanical condition on each City-owned vehicle which will drastically improve and help staff make sound fleet management decisions based on accurate fleet data.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Emergency Generators

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): Multiple Departments
ORG: 45341709

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated Useful Life: 10-15 years

Emergency Generators													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	4,979,000	*3,288,000*	0	76,000	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	1,691,000
Financing Plan													
Prior City Funding	3,288,000	*3,288,000*											0
Cash Capital	506,000	*0*	0	76,000	0	100,000	100,000	0	0	25,000	105,000	100,000	506,000
GO Bonds	1,185,000	*0*	0	0	0	301,000	301,000	140,000	293,000	0	0	150,000	1,185,000
Total Financing Plan	4,979,000	*3,288,000*	0	76,000	0	401,000	401,000	140,000	293,000	25,000	105,000	250,000	1,691,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: CIP Projects in the Public Buildings section of the CIP has seen significant changes in funding levels, compared to the prior CIP, to accommodate high priority funding needs identified in the ongoing Building Physical Conditions Assessment.

Project Description & Justification

This project provides for the systematic replacement, placement, and capital maintenance of emergency generators and emergency generator infrastructure at City facilities.

Design and engineering phases will include analysis of current emergency generators and emergency generator infrastructure, current and future facility use, and coordination with emergency response planning. A prioritized list of projects planned for FY 2017 - 2019 is included on the next page. No new funding is budgeted for FY2017. 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.

Alternatives evaluated for this project included the replacement of emergency generators and emergency generator infrastructure with mobile emergency generator interconnections. Where applicable, these alternatives have been approved in this project.

This project supports public safety services by providing reliable electricity to facilities, equipment, and technologies to meet contemporary standards for constant service delivery.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Reduce harm to people or property from building failures
- Reduce harm to people or property from disasters
- Increase survivability from medical emergencies and traumatic injuries.

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community

External or Internal Adopted Plan or Recommendation

- Departmental Continuity of Operations Plans (COOPs)

Additional Operating Budget Impact

Additional operating impact to be determined.

Emergency Generators Program (Continued)

Emergency Generators Program Category 1 Project List

Fiscal Year 2017	
Description	Amount
No projects planned	
Total Fiscal Year 2017	$ -
Fiscal Year 2018	
Description	Amount
Emergency Generator Replacement - Health Department	$ 76,000
Total Fiscal Year 2018	$ 76,000
Fiscal Year 2019	
Description	Amount
No projects planned	
Total Fiscal Year 2019	$ -

Building Physical Conditions Assessment

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): Multiple Departments
ORG: 45342346

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated Useful Life: N/A

Building Physical Conditions Assessment													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,686,000	*341,000*	200,000	95,000	450,000	300,000	0	100,000	100,000	100,000	0	0	1,345,000
Financing Plan													
Cash Capital	1,686,000	*341,000*	200,000	95,000	450,000	300,000	0	100,000	100,000	100,000	0	0	1,345,000
Total Financing Plan	1,686,000	*341,000*	200,000	95,000	450,000	300,000	0	100,000	100,000	100,000	0	0	1,345,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added in FY 2019 and FY 2020, otherwise no changes from prior CIP.

Project Description & Justification

The Building Physical Conditions Assessment project is an undertaking to document and evaluate the physical condition of various City properties 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, life safety and ADA compliance.

The assessments will include, among other information, deficiencies, inadequacies, life cycle analysis, and will provide recommendations for improvement, repairs or replacement. The assessments will 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 Programs.

Forty percent of the City's building inventory was assessed in FY 2016.

This project will be used to inform future CIP/CFMP projects and will be used to prioritize building capital asset improvements. Maintenance keeps buildings functioning properly, decreases costly repairs, and promotes a healthy environment.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Building Physical Conditions Assessment (Continued)

Building Physical Condition Project List

Fiscal Year 2017
Description
Adult Day Care
Buddy Ford Nature Center
Charles Barrett Recreation Center
Cora Kelley Recreation Center
Courthouse Parking Garage
Durant Recreation Center
Fire Training Center (Lee Center)
Lee Center
Mount Vernon Recreation Center
Nannie Lee Recreation Center
Nick Colasanto Center
Old Animal Shelter
Ramsay House
Ramsay Recreation Center
Thompson's Alley Parking Garage
Fiscal Year 2018
Description
Alexandria Police Department Facility
Alexandria Police Department Facility Parking Garage
Fire Station 210
Fiscal Year 2019
Description
No assessments this fiscal year

Municipal Facilities Mapping and Planning Project

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): Multiple Departments
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated Useful Life: N/A

Municipal Facilities Planning Project													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	250,000	*0*	250,000	0	0	0	0	0	0	0	0	0	250,000
Financing Plan													
Cash Capital	250,000	*0*	250,000	0	0	0	0	0	0	0	0	0	250,000
Total Financing Plan	250,000	*0*	250,000	0	0	0	0	0	0	0	0	0	250,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0
Changes from Prior Year CIP: This is a new project added for FY 2017.													

Project Description & Justification

The Municipal Facilities Mapping and Planning project is an undertaking to develop an approach to assess the current use of City facilities and how to best utilize facilities.

City facilities are in need of significant investment. Since these facilities are used for a wide range of programs and services, a first step will be to review and understand more globally all the programs and services provided through municipal facilities to better understand how we prioritize investments in facilities.

Along with recommendations for how to prioritize investments in municipal facilities, the project will create a timeline/process for gathering stakeholder input (including citizens), deliberations and creating recommendations for prioritized investment.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Old Town Parking Garage Ticket Modernization

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): Multiple Departments
ORG: TBD

Project Location: Various Garages in Old Town
Reporting Area: Old Town
Project Category/Priority: 3 – New Facilities
Estimated Useful Life: N/A

Old Town Parking Garage Ticketing Modernization													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	250,000	*250,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	250,000	*250,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	250,000	*250,000*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			(115,000)	(118,450)	(122,004)	(125,664)	(129,434)	(133,317)	(137,316)	(141,435)	(145,679)	(150,049)	(1,318,346)
Cumulative Impact			(115,000)	(233,450)	(355,454)	(481,117)	(610,551)	(743,867)	(881,183)	(1,022,619)	(1,168,297)	(1,318,346)	(1,318,346)

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project will provide for the replacement of parking equipment and for needed technology upgrades at three of the four City-owned parking garages, including Market Square, Union Street and the Courthouse Garages. New equipment and technology upgrades will provide for centralized parking management. New servers will be installed at the central parking office located at Market Square Garage. Upgrade of the existing fee computers will allow the acceptance of credit cards, the future use of the City's PayGo mobile parking payment system, and will allow for the automation of the Market Square and Courthouse Garages with the purchase of pay-on-foot payment stations in the future. This project does provide for the full automation of the Union Street Parking Garage which includes the purchase of a pay-on-foot payment station for this location.

The Market Square, Courthouse and Union Street Garages are the most heavily utilized City-owned parking facilities. The parking equipment in Market Square and Union Street Garages was replaced over 10 years ago and the parking equipment in the Courthouse Garage is over 34 years old. Due to the age and condition of the existing equipment there have been equipment failures, lack of available parts, and delays in entering and exiting the parking facilities.

The replacement of the old parking equipment and the centralization of the parking operations will result in greater efficiencies including faster entry and exit; faster and more secure credit card transactions upon exiting the facilities; and the automation of the Union Street Garage, which will result in savings of approximately $113,000 per year for the City.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Ensure Alexandria supports, retains, and attracts businesses

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

A savings of $113,000 annually (with a 3% inflation in out years) was included as part of the FY 2016 operating budget due to the automation of the Union Street Garage.

Market Square Plaza and Garage Structural Repairs

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: 45342461

Project Location: 301 King Street
Reporting Area: Old Town
Project Category/Priority: 2 – Renovations/Existing Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	8,000,000	*950,000*	550,000	0	0	0	3,000,000	0	3,500,000	0	0	0	7,050,000
Financing Plan													
Cash Capital	690,000	*90,000*	100,000	0	0	0	250,000	0	250,000	0	0	0	600,000
GO Bonds	7,310,000	*860,000*	450,000	0	0	0	2,750,000	0	3,250,000	0	0	0	6,450,000
Total Financing Plan	8,000,000	*950,000*	550,000	0	0	0	3,000,000	0	3,500,000	0	0	0	7,050,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added in FY 2021 and FY 2023.

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 proposes to 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 plaza stairs and pavers.

Funding in FY 2017 will be used to address immediate repair issues in the garage. Additionally, FY 2017 funding will be used to design the remainder of the repair project. Funding in FY 2022 and FY 2023 will be used for construction to address:

- Water infiltration
- Replace conduit for lighting and power on the plaza some of which has corroded and is no longer working
- Repair/replace damaged piping and drainage on Market Square
- Repair/replace plumbing in the fountain which is not working as designed
- Provide waterproofing on the plaza and in the fountain to address water infiltration into the garage
- Provide for structural repairs in the parking garage as a result of water infiltration including concrete repair/replacement and rebar repairs/replacement
- Provide for finishes following repairs including painting the parking garage, new pavers on Market Square Plaza and new precast caps around the fountain.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Promote neighborhoods that are amenity-rich

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

City Hall HVAC and Infrastructure Replacement

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: 45342086

Project Location: 301 King Street
Reporting Area: Old Town
Project Category/Priority: 3 – Updated Facilities
Estimated Useful Life: 30 Years

City Hall HVAC & Infrastructure Replacement													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	39,725,000	*3,200,000*	750,000	500,000	500,000	4,425,000	500,000	27,350,000	2,500,000	0	0	0	36,525,000
Financing Plan													
Prior City Funding	3,200,000	*3,200,000*											0
Cash Capital	2,650,000	*0*	100,000	100,000	100,000	500,000	500,000	950,000	400,000	0	0	0	2,650,000
GO Bonds	33,875,000	*0*	650,000	400,000	400,000	3,925,000	0	26,400,000	2,100,000	0	0	0	33,875,000
Total Financing Plan	39,725,000	*3,200,000*	750,000	500,000	500,000	4,425,000	500,000	27,350,000	2,500,000	0	0	0	36,525,000
Additional Operating Impact													
Annual Impact			0	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			0	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: Project funding adjusted to reflect only design, planning and construction realted cost of this project. Leasing and retroffiting of a swing space is no longer included in this project cost estimate.

Project Description & Justification

This project will provide for the replacement of major heating, ventilation and air conditioning (HVAC) systems, as well as the distribution system through City Hall. Replacement of these systems will increase energy efficiency of the facility by centralizing mechanical systems that have been periodically added on as City operations have changed, and also replace forty-year old mechanical equipment.

In addition, this project will provide for a complete renovation of City Hall allowing for more efficient use of the space and the application of lower space per person standards. This project will be further analyzed to identify phasing and relocation plans to minimize the extent of disruption to City Hall operations.

A total of $36.5 million is budgeted for this project:

- Funding in the amount of $1.75 million in FY 2017 - 2019 is budgeted for immediate and priority repairs required to maintain current operations in City Hall.
- Funding in the amount of $34.8 million in FY2020 - 2023 is provided for design, construction, and other related costs.

Leasing and retrofitting of a swing space is not included in this project's costs, but will need to be determined as a future operating budget impact.

Information developed in the City's Space Standards Guidelines and the newly proposed Municipal Facilities Mapping and Planning Project, will provide strategies for the efficient use of space within City buildings. These guidelines were developed with the help of City staff who collaborated in a Space Standards Focus Group and Steering Committee. These standards will inform the proposed layout for City Hall.

The project helps maintain the value of the City's physical assets, creates a more energy efficient operation in City Hall, and maximizes the use of space within City Hall for more efficient City service delivery.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Promote neighborhoods that are amenity-rich

External or Internal Adopted Plan or Recommendation

- 2014 Department of General Services City Space Standards Guidelines

Additional Operating Budget Impact

Additional operating impact is unknown at this time. The project scope will need to be defined for the additional operating impact can be quantified, including the cost of leasing and retrofitting a swing space. It is anticipated that energy efficiencies will lead to future cost savings or cost avoidance based on current utility costs.

Roof Replacement Program

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: 45341733

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	6,052,800	*3,514,800*	1,110,000	72,000	0	536,000	748,000	72,000	0	0	0	0	2,538,000
Financing Plan													
Prior City Funding	2,549,800	*2,549,800*											0
Cash Capital	324,000	*0*	0	72,000	0	130,000	50,000	72,000	0	0	0	0	324,000
GO Bonds	3,179,000	*965,000*	1,110,000	0	0	406,000	698,000	0	0	0	0	0	2,214,000
Total Financing Plan	6,052,800	*3,514,800*	1,110,000	72,000	0	536,000	748,000	72,000	0	0	0	0	2,538,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: CIP Projects in the Public Buildings section of the CIP has seen significant changes in funding levels, compared to the prior CIP, to accommodate high priority funding needs identified in the ongoing Building Physical Conditions Assessment.

Project Description & Justification

This program will provide for the inspection, design and replacement of aging roof systems within the City.

Planned roof replacements for the next three years include:

- Flora Casey Clinic
- Beatley Library
- Gadsby's Tavern Museum
- Courthouse
- Union Station

Completion of this project helps maintain the value of the City's physical assets.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Safe, Secure, & Just Community

- Reduce harm to people or property from building failures

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Deduction Meter Implementation

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 - Asset Maintenance
Estimated Useful Life: 15 years

Deduction Meter Implementation													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	97,500	*0*	97,500	0	0	0	0	0	0	0	0	0	97,500
Financing Plan													
Cash Capital	97,500	*0*	97,500	0	0	0	0	0	0	0	0	0	97,500
Total Financing Plan	97,500	*0*	97,500	0	0	0	0	0	0	0	0	0	97,500
Additional Operating Impact													
Annual Impact			0	(30,300)	(30,900)	(16,200)	(32,200)	(17,500)	(33,600)	(18,900)	(35,000)	(20,400)	(235,000)
Cumulative Impact			0	(30,300)	(61,200)	(77,400)	(109,600)	(127,100)	(160,700)	(179,600)	(214,600)	(235,000)	(235,000)

Changes from Prior Year CIP: This is a new project added for FY 2017.

Project Description & Justification

This project includes the installation of deduction meters and infrastructure for public facility cooling towers and certain park irrigation systems. Facility cooling towers and park irrigation systems utilize utility water resources, but do not return this water as effluent to the sanitary sewer system for treatment. Such systems are eligible to deduct marginal water treatment costs from utility sewer billing with installation of certified deduction meters and infrastructure; resulting in a 3 – 5 year simple payback with positive cash flow thereafter. Where applicable, additional treatment technologies are included to enhance cooling tower operation to improve efficiency of operation and achieve public health benefits.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Healthy & Thriving Residents
Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Safe, Secure & Just Community

- Reduce harm to people or property from building failures

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Additional impact to the annual Operating Budget includes reducing the costs of wastewater utility service.

Fuel Island Renovation Design Only

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 2 - Renovations/Existing Assets or Facilities
Estimated Useful Life: 25 Years

Fuel Island Renovation Design Only													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	600,000	*0*	600,000	0	0	0	0	0	0	0	0	0	600,000
Financing Plan													
Cash Capital	600,000	*0*	600,000	TBD	TBD	0	0	0	0	0	0	0	600,000
Total Financing Plan	600,000	*0*	600,000	0	0	0	0	0	0	0	0	0	600,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017.

Project Description & Justification

The City Fuel Island was constructed in 1982 and some repairs and renovations were performed in 1995. 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. The canopy and underground tanks are approaching the end of their expected life time within the next five years.

The requested funding will cover the design for the total renovation of the Fuel Island. Once a design is ongoing a cost estimate for the construction can be created and construction funding requested in a future CIP.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 - Alexandria respects, protects, and enhances the health of its citizens and the quality of its natural environment.

Focus Area: Healthy & Thriving Residents

Focus Area: Livable, Green, & Prospering City
- Sustain the natural quality of land within the City

Focus Area: Accountable, Effective, & Well-Managed Government
- Achieve results that the community values
- Ensure the fiscal strength of the City government

Focus Area: Safe, Secure & Just Community
- Reduce harm to people and property from fire
- Reduce harm to people or property from building failures

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated

Parking at 200 N Union Street

Document Subsection: General Government Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Old Town
Project Category/Priority: 2 - Renovations/Existing Assets or Facilities
Estimated Useful Life: 25 Years

Parking at 200 N Union Street													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	300,000	*0*	300,000	0	0	0	0	0	0	0	0	0	300,000
Financing Plan													
Cash Capital	300,000	*0*	300,000	0	0	0	0	0	0	0	0	0	300,000
Total Financing Plan	300,000	*0*	300,000	0	0	0	0	0	0	0	0	0	300,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017.

Project Description & Justification

The Queens Row town home development shares a structure with the City owned parking garage at 200 N Union Street. The asphalt surface parking lot above the parking garage is owned by the Town Home development. The water proofing membrane underneath the Asphalt parking lot is owned by the City. The asphalt surface has deteriorated over time and the Development is considering replacing the asphalt with a concrete lot. This replacement will impact the integrity of the waterproofing membrane dividing the asphalt parking lot above from the parking garage below. Repair and maintenance of the waterproofing membrane is the responsibility of the City. Currently there are leaks in the waterproofing membrane resulting in water infiltration into the garage. The town home development is asking the City to replace the waterproofing membrane at the same time as their parking lot replacement.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Alexandria respects, protects, and enhances the health of its citizens and the quality of its natural environment.

Focus Area: Healthy & Thriving Residents

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- The City government is accountable for the programs and services provided to the community

Focus Area: Safe, Secure & Just Community

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated

Library Capital Facilities Maintenance Program (CFMP)

Document Subsection: Library Facilities
Managing Department: General Services
Supporting Department(s): Library
ORG: 42851597

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,297,435	*1,846,435*	10,000	0	0	0	19,000	269,000	66,000	87,000	0	0	451,000
Financing Plan													
Prior City Funding	1,671,435	*1,671,435*											0
Cash Capital	482,000	*175,000*	10,000	0	0	0	19,000	125,000	66,000	87,000	0	0	307,000
GO Bonds	144,000	*0*	0	0	0	0	0	144,000	0	0	0	0	144,000
Total Financing Plan	2,297,435	*1,846,435*	10,000	0	0	0	19,000	269,000	66,000	87,000	0	0	451,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: All Public Building CFMP's have been adjusted significantly to reflect the recommendations of the ongoing Building Physical Conditions Assessment and to ensure that CFMP funds are spent on the highest priority repairs.

Project Description & Justification

This program provides for annual capital infrastructure improvements at Beatley Central Library, as well as Barrett, Burke and Duncan Branch Libraries. These facilities require ongoing capital investment for items such as floor covering replacement, mechanical, electrical and plumbing work, and carpentry. On occasion, larger projects involving HVAC systems or roof repairs may be necessary.

The Library 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 expectancies of equipment and materials necessary to adequately maintain the Library physical plant. In some cases, the equipment may be retained beyond the standard life expectancy if it is in good operating condition and it is cost-effective to do so.

A prioritized list of projects planned for FY 2017 - 2019 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.

Completion of these capital infrastructure projects helps maintain the building's capital assets by keeping facilities functioning properly, decreasing costly repairs, and promoting a healthy environment.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 4 – Children, Youth & Families

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time
- Ensure all children and youth thrive and succeed
- Ensure the educational and developmental attainment of all residents

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Libraries CFMP (Continued)

Libraries CFMP Category 1 Project List

Fiscal Year 2017		
Description		Amount
Door Assembly Replacement - Barrett Library	$	10,000
Total Fiscal Year 2017	$	10,000

Fiscal Year 2018		
Description		Amount
No projects planned		
Total Fiscal Year 2018	$	-

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

Ellen Coolidge Burke Facility Space Planning

Document Subsection: Library Facilities
Managing Department: General Services
Supporting Department(s): Library
ORG: 42851597

Project Location: 4701 Seminary Road
Reporting Area: Seminary Hill
Project Category/Priority: 3 – New Facilities
Estimated Useful Life: N/A

Ellen Coolidge Burke Facility Space Planning													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
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													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

In 2014, the Library completed an extensive community needs assessment study. After surveying almost 4,000 residents, conducting focus groups, speaking with community leaders, etc., the research indicated that residents value the Library for its physical spaces, including quiet study areas and meeting room use for community gatherings. In addition, residents and community leaders indicated the need for additional technology training for Alexandrians of all ages. Finally, participants noted the need for additional library programs related to STEAM (Science, Technology, Engineering, Arts, Math) education to support youth in the City. All of these priorities can be met by repurposing the first floor at the Burke Library, but proper planning is essential.

Prior to 2002, when the Burke Library began sharing its facility with ACPS, the Library occupied both the first and second floors of the building. Now that ACPS has vacated the first floor, that area will revert to the Library. Over the last decade, public libraries across the country have been repurposing their spaces in innovative ways and increasingly incorporate technology labs, maker spaces for hands on creation, business centers and digital media labs. Such spaces encourage learning, bolster technical skills and promote collaboration.

In order to determine the best use of this area, funding was provided for a space planning analysis. Since the first floor was significantly altered under ACPS, it is necessary to evaluate the existing area in order to make the best choices regarding future use. A space planner will analyze the space and make appropriate recommendations for the redesign concept. In order to use this facility for modern functions, a planner will assess the best ways to reorganize to accommodate new equipment and workflow. An analysis will ultimately assist with future costs, as Library staff will be able to make more informed decisions based on a professionally executed plan.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 4 – Children, Youth & Families

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time
- Ensure all children and youth thrive and succeed
- Ensure the educational and developmental attainment of all residents

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Additional operating budget impacts are unknown until a final design has been completed.

Beatley Library Building Envelope Restoration

Document Subsection: Library Facilities
Managing Department: General Services
Supporting Department(s): Library
ORG: TBD

Project Location: 5005 Duke Street
Reporting Area: Landmark/Van Dorn
Project Category/Priority: 2 – Renovations/Existing Facilities
Estimated Useful Life: N/A

Beatley Library Building Envelope Restoration													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,170,000	*0*	150,000	1,020,000	0	0	0	0	0	0	0	0	1,170,000
Financing Plan	0												
Cash Capital	80,000	*0*	80,000	0	0	0	0	0	0	0	0	0	80,000
GO Bonds	1,090,000	*0*	70,000	1,020,000	0	0	0	0	0	0	0	0	1,090,000
Total Financing Plan	1,170,000	*0*	150,000	1,020,000	0	0	0	0	0	0	0	0	1,170,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			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. The following work at Beatley has been completed to date:

- Exterior gutters refurbished
- Metal roofing on dormers replaced with new TPO membrane.
- Window leaks on 1st floor resolved by removing Blue Stone and installing correct flashing and water protection
- 30 glass panes replaced due to broken seals.
- Flooring replaced on 1st and 2nd floor
- Entire building painted
- Valve replacements completed.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 4 – Children, Youth & Families

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time
- Ensure all children and youth thrive and succeed
- Ensure the educational and developmental attainment of all residents

External or Internal Adopted Plan or Recommendation

- Recommended by the Alexandria Library Board

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Alexandria Library Security Enhancements

Document Subsection: Library Facilities
Managing Department: General Services
Supporting Department(s): Library
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 2 - Renovations/Existing Assets or Facilities
Estimated Useful Life: 10 Years

Alexandria Library Security Enhancements													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	70,000	*0*	0	0	70,000	0	0	0	0	0	0	0	70,000
Financing Plan													
Cash Capital	70,000	*0*	0	0	70,000	0	0	0	0	0	0	0	70,000
Total Financing Plan	70,000	*0*	0	0	70,000	0	0	0	0	0	0	0	70,000
Additional Operating Impact													
Annual Impact			0	0	0	9,000	9,270	9,548	9,835	10,130	10,433	10,746	68,962
Cumulative Impact			0	0	0	9,000	18,270	27,818	37,653	47,782	58,216	68,962	68,962

Changes from Prior Year CIP: This is a new project added for FY 2019.

Project Description & Justification

In 2014, the Library completed an extensive community needs assessment study. After surveying almost 4,000 residents, conducting focus groups, speaking with community leaders, etc., the research indicated that residents value the Library for its physical spaces, collections, educational programs and services. Unfortunately, many people indicated that they have decreased their visits to library facilities because they do not feel safe or have had negative experiences, including theft of personal belongings. When asked where the Library should focus its resources, "clean, secure facilities" was ranked as one of the top three selections.

Due to a number of unfortunate events, including thefts and violent behavior directed toward customers and staff, the Alexandria Library would like to enhance its video security system for both the public and employee areas in all of its facilities. Since January 2014, Library staff has filed over 50 incident reports related to erratic customer behavior, thefts of personal belongings (laptops, tablets, cellphones, etc.), indecent exposure, etc. In all of these instances, the Police Department has been called, but there is little evidence to assist other than eyewitness accounts.

Presently, the Library has only two security cameras located in the Beatley Central Library. With an increase in the number of laptops and cell phones stolen, as well as incidents of recent thefts of library materials, and threatening/violent behavior, the Alexandria Library needs to take reasonable precautions to maintain safe and secure environments for all of its customers and staff. The Library recommends purchasing an IP video surveillance system that would provide continuous video surveillance and recording at all of its branches.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 4 – Children, Youth & Families

Focus Area: Healthy & Thriving Residents

- Ensure the educational and developmental attainment of all residents'
- Improve the quality of residents'' leisure time

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Safe, Secure & Just Community

- Reduce crime

External or Internal Adopted Plan or Recommendation

- Alexandria Library Community Needs Assessment (2014)
- Alexandria Library Board

Additional Operating Budget Impact

An annual operating impact of $9,000 is anticipated, with a 3% inflation rate applied for out-year operating impacts.

City Historic Facilities Capital Facilities Maintenance Program (CFMP)

Document Subsection: Preservation of Historic Facilities
Managing Department: General Services
Supporting Department(s): Historic Alexandria
ORG: 45341695

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	8,797,510	*3,251,510*	111,000	310,000	0	3,034,000	1,096,000	995,000	0	0	0	0	5,546,000
Financing Plan													
Prior City Funding	2,906,510	*2,906,510*											0
Cash Capital	1,090,000	*220,000*	25,000	95,000	0	250,000	250,000	250,000	0	0	0	0	870,000
General Obligation Bonds	4,801,000	*125,000*	86,000	215,000	0	2,784,000	846,000	745,000	0	0	0	0	4,676,000
Total Financing Plan	8,797,510	*3,251,510*	111,000	310,000	0	3,034,000	1,096,000	995,000	0	0	0	0	5,546,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: All Public Building CFMP's have been adjusted significantly to reflect the recommendations of the ongoing Building Physical Conditions Assessment and to ensure that CFMP funds are spent on the highest priority repairs.

Project Description & Justification

This project provides funding to address capital infrastructure improvements at the City's historic buildings managed by the Office of Historic Alexandria (OHA), including plaster repair, painting, floor restoration, heating, ventilation and air conditioning (HVAC), and electrical and plumbing systems components.

OHA-managed properties requiring capital maintenance include Fort Ward Park, Gadsby's Tavern, Lloyd House, The Lyceum, Stabler-Leadbeater Apothecary Museum, Friendship Firehouse, Payne Street Records Center (Archives), and Archaeology space located at the Torpedo Factory Arts Center.

A prioritized list of projects planned for FY 2017 - 2019 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.

Completion of these projects supports efforts to enhance the quality of life by preserving and appreciating Alexandria's diverse historic heritage and its place within the broader context of American history, while helping maintain the value of the City's historic assets.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 7 – Caring Community

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Promote neighborhoods that are amenity-rich
- Increase the economic benefits of tourism to the City

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

City Historic Facilities CFMP (Continued)

City Historic Facilities CFMP Category 1 Project List

Fiscal Year 2017		
Description		Amount
Air Handling Unit Renewal - American Legion	$	82,000
Wood Windows Renewal - Fort Ward Museum	$	29,000
Total Fiscal Year 2017	$	111,000

Fiscal Year 2018		
Description		Amount
Wood Windows Renewal - Apothecary Museum	$	14,000
Wood Windows Renewal - Lloyd House	$	40,000
Wood Windows Renewal - Gadsby's Tavern Museum	$	51,000
Foundation Wall and Footings Full Basement Renewal - Apothecary Museum and Lloyd House	$	9,000
Wood Door Assembly Renewal - Apothecary Museum and Fort Ward Museum	$	10,000
Wood Windows Renewal - Gadsby's Tavern Restaurant	$	36,000
Wood Windows Renewal - American Legion	$	42,000
Multi-Story - Wood Renewal - Lloyd House	$	8,000
Wood Door Assembly Renewal - Lloyd House and Fort Ward Museum	$	15,000
Wood Door Assembly Renewal - Apothecary Museum	$	13,000
Solid Brick Walls Renewal - Apothecary Museum	$	20,000
Solid Brick Walls Renewal - Lloyd House	$	45,000
Exit Signs - Insufficient or Not Illuminated - Exit Doors - Fort Ward Museum	$	7,000
Total Fiscal Year 2018	$	310,000

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

Gadsby's Tavern Restaurant Kitchen Equipment

Document Subsection: Preservation of Historic Facilities
Managing Department: General Services
Supporting Department(s): Historic Alexandria
ORG: TBD

Project Location: 138 N Royal Street
Reporting Area: Old Town
Project Category/Priority: 3 – New Facilities
Estimated Useful Life: Varies

Gadsby's Tavern Restaurant Kitchen Equipment													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	245,000	*0*	245,000	0	0	0	0	0	0	0	0	0	245,000
Financing Plan													
Cash Capital	245,000	*0*	245,000	0	0	0	0	0	0	0	0	0	245,000
Total Financing Plan	245,000	*0*	245,000	0	0	0	0	0	0	0	0	0	245,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior CIP.

Project Description & Justification

An assessment report completed in August 2013 recommended that Gadsby's Tavern restaurant kitchen equipment be replaced and updated to meet current code requirements, which require documents for permit and subsequent construction for equipment replacement.

Completion of this project supports efforts to enhance the economic benefits of tourism, while helping maintain the value of the City's historic assets.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Livable, Green, & Prospering City

- Increase the economic benefits of tourism to the City

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Gadsby's Tavern Elevator Design and Construction

Document Subsection: Preservation of Historic Facilities
Managing Department: General Services
Supporting Department(s): Multiple Departments
ORG: TBD

Project Location: 134 N. Royal Street
Reporting Area: Old Town
Project Category/Priority: 2 – Renovations/Existing Facilities
Estimated Useful Life: N/A

Gadsby's Tavern Elevator Design and Construction													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,450,000	*0*	0	0	0	0	0	0	250,000	1,200,000	0	0	1,450,000
Financing Plan													
Cash Capital	250,000	*0*	0	0	0	0	0	0	250,000	0	0	0	250,000
General Obligation Bonds	1,200,000	*0*	0	0	0	0	0	0	0	1,200,000	0	0	1,200,000
Total Financing Plan	1,450,000	*0*	0	0	0	0	0	0	250,000	1,200,000	0	0	1,450,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Project Description & Justification

This project is based on a feasibility study completed in December 2013. The project funding will provide for the design and construction of an elevator to create ADA accessibility to the Gadsby's Tavern Museum Ballroom and American Legion meeting room along with ADA restrooms, which do not exist in the facility. Existing historic facility configuration does not provide accessible routes to the Gadsby's Tavern Museum Ballroom, a significant public use assembly space located at the second floor where many public and fundraising events occur. This is also true for the American Legion Assembly room located on the first floor. Visitors currently reach the Gadsby's Tavern Museum Ballroom located on the second floor via the Tavern stairs and the American Legion meeting room is served by the west stairs. The central stair functions as a second means of egress.

Currently, visitors reach the Gadsby's Tavern dining facilities via an accessible route from Royal Street through the courtyard and reach the American Legion assembly space on the first floor via an exterior entry stair from Cameron Street or through the west stair. Modification for access requires construction of an elevator in selected areas within the existing footprint of the building without infringement upon historic fabric of the facility. Selected areas have been identified in which compatible new construction for an elevator and modification for ADA accessible restrooms might be located without infringing upon the historic fabric of the facility. The non-ADA restrooms existing on the first floor serve the Gadsby's dining customers and there is no plausible option for reconfiguring them to ADA standards or for providing an accessible path to reach them without significant disturbance and removal of historic fabric.

The feasibility study identified selected areas for compatible locations for new construction of an elevator and ADA restrooms for the facility and eliminated infringement of historic fabric.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 7 – Caring Community

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Torpedo Factory Repairs

Document Subsection: Preservation of Historic Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: TBD

Project Location: 105 N. Union St.
Reporting Area: Old Town
Project Category/Priority: 1 – Asset Maintenance
Estimated Useful Life: Varies

Torpedo Factory Repairs													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,283,175	*2,283,175*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	2,283,175	*2,283,175*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,283,175	*2,283,175*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project addresses the most critical repair and major maintenance needs at the Torpedo Factory. The City is responsible for all capital building maintenance subsequent to its repurchase of this building in August 1998. This project serves as a place holder for additional work to be completed at the Torpedo Factory.

Prior year balances are available in this project for future maintenance and repair needs as they are identified, including a roof replacement. Additional funding requirement may be considered as part of future Capital Improvement Programs once specific capital infrastructure needs are identified.

The HVAC system replacement, elevator repairs, and electrical lighting upgrades were completed in March 2007. The final phase of HVAC system replacement was completed in 2012.

The Torpedo Factory provides an active use in Old Town and attracts numerous visitors to the area. Completion of projects enhances the City's ability to maintain a space to display the art work of City residents.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 7 – Caring Community

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Promote neighborhoods that are amenity-rich
- Increase the economic benefits of tourism to the City

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Torpedo Factory Space Programming Study

Document Subsection: Preservation of Historic Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: TBD

Project Location: 105 N. Union St.
Reporting Area: Old Town
Project Category/Priority: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	250,000	*0*	0	250,000	0	0	0	0	0	0	0	0	250,000
Financing Plan													
Cash Capital	250,000	*0*	0	250,000	0	0	0	0	0	0	0	0	250,000
Total Financing Plan	250,000	*0*	0	250,000	0	0	0	0	0	0	0	0	250,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			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 renovation design of the Torpedo Factory.

A total of $250,000 is budgeted for this project a renovation design. The design is anticipated to be completed in the FY 2018 - 2019 time frame and will provide information for future planning, phasing, budgeting and phasing of the a renovation to the facility.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 7 – Caring Community

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Promote neighborhoods that are amenity-rich
- Increase the economic benefits of tourism to the City

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Mental Health Residential Facilities Capital Facilities Maintenance Program (CFMP)

Document Subsection: Public Health & Welfare Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: 45341760

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	3,264,995	*2,514,995*	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Financing Plan													
Prior City Funding	2,364,995	*2,364,995*											0
Cash Capital	875,000	*150,000*	50,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	725,000
Prior Year/Close-Out	25,000	*0*	25,000	0	0	0	0	0	0	0	0	0	25,000
Total Financing Plan	3,264,995	*2,514,995*	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													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: All Public Building CFMP's have been adjusted significantly to reflect the recommendations of the ongoing Building Physical Conditions Assessment and to ensure that CFMP funds are spent on the highest priority repairs.

Project Description & Justification

This project provides for the capital maintenance and replacement requirements at City-owned and operated group homes and residential units.

Projects planned for FY 2017 - 2019 are 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 addition, to maintain the City's physical assets, this project supports the provision of effective and essential safety net services that measurably improve or maintain the quality of life for Alexandrians.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Increase self-sufficiency and meaningful quality of life for the City's most vulnerable residents

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Mental Health Facilities CFMP (Continued)

Mental Health Facilities CFMP Category 1 Project List

Fiscal Year 2017		
Description		Amount
Capital Maintenance and Replacement Requirements at City-owned and Operated Group Homes and Residential Units	$	75,000
Total Fiscal Year 2017	$	75,000

Fiscal Year 2018		
Description		Amount
Capital Maintenance and Replacement Requirements at City-owned and Operated Group Homes and Residential Units	$	75,000
Total Fiscal Year 2018	$	75,000

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

Health Department Garage Concrete Deck and Parking Restoration

Document Subsection: Public Health & Welfare Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: 45342352

Project Location: 4480 King Street
Reporting Area: Alexandria West
Project Category/Priority: 2 – Renovations/Existing Assets
Estimated Useful Life: 30+ Years

Health Dept Garage Concrete Deck & Parking Restoration													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,260,000	*900,000*	360,000	0	0	0	0	0	0	0	0	0	360,000
Financing Plan													
Prior City Funding	900,000	*900,000*											0
Cash Capital	360,000	*0*	360,000	0	0	0	0	0	0	0	0	0	360,000
Total Financing Plan	1,260,000	*900,000*	360,000	0	0	0	0	0	0	0	0	0	360,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added in FY 2017.

Project Description & Justification

4480 King Street is a City owned building that houses the Health Department and some functions of the Department of Community and Human Services. This building was built in 1975 and has had multiple repairs to its parking areas over the last several years. The upper deck parking areas have drainage issues, which in the winter cause puddles of water to freeze and then re-freeze. This continuing process deteriorates the cement. De-icing materials are used to address this, but damage the concrete further. This damage is called spalling, which is the result of water entering the cement and forcing the surface to peel, pop out or flake off. Over time the supporting rebar will begin to rust and corrode, putting additional pressure on the concrete.

Currently there are large sections of concrete that have been replaced and patched that continue to erode every year. In order to prevent this from happening further, the parking areas need to be redesigned to include a better drainage system and new concrete poured.

The design for this project was completed in summer 2015 and construction is scheduled to begin in spring 2016.

This project will assist in maintaining the City's assets in functional order. Capital maintenance keeps the building functioning properly, decreases costly repairs, and promotes a healthy environment.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Safe, Secure, & Just Community

- Reduce harm to people or property from building failures

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Health Department CFMP

Document Subsection: Public Health & Welfare Facilities
Managing Department: General Services
Supporting Department(s): Health Department
ORG: TBD

Project Location: Citywide
Reporting Area: Alexandria West
Project Category/Priority: 1 - Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	16,143,000	*0*	6,414,000	651,000	0	2,254,000	0	1,449,000	0	5,375,000	0	0	16,143,000
Financing Plan													
Cash Capital	1,329,000	*0*	100,000	250,000	0	254,000	0	350,000	0	375,000	0	0	1,329,000
General Obligation Bonds	14,814,000	*0*	6,314,000	401,000	0	2,000,000	0	1,099,000	0	5,000,000	0	0	14,814,000
Total Financing Plan	16,143,000	*0*	6,414,000	651,000	0	2,254,000	0	1,449,000	0	5,375,000	0	0	16,143,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new CFMP project.

Project Description & Justification

This program provides for annual capital infrastructure improvements at the Health Department, as well Casey Clinic. These facilities require ongoing capital investment for items such as floor covering replacement, mechanical, electrical and plumbing work, and carpentry. On occasion, larger projects involving HVAC systems or roof repairs may be necessary.

The Health Department 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 expectancies of equipment and materials necessary to adequately maintain the Library physical plant. In some cases, the equipment may be retained beyond the standard life expectancy if it is in good operating condition and it is cost-effective to do so.

A prioritized list of projects planned for FY 2017 - 2019 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.

Completion of these capital infrastructure projects helps maintain the building's capital assets by keeping facilities functioning properly, decreasing costly repairs, and promoting a healthy environment.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Healthy & Thriving Residents
- Improve City residents' overall health
- Reduce city residents'' incidents of preventable diseases

Focus Area: Livable, Green, & Prospering City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government
- Achieves results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- An additional impact to the operating budget is not anticipated

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Health Department CFMP (Continued)

Health Department CFMP Category 1 Project List

Fiscal Year 2017		
Description		Amount
Cooling Water Pumps Renewal	$	317,000
Restroom - Complete - Single Renewal	$	95,000
Restroom - Complete - Gang Renewal	$	478,000
Emergency Exit Devices	$	15,000
Aluminum Windows Renewal	$	487,000
Skylight Replacement	$	5,700
Lighting - Exterior - HID Renewal	$	6,400
Rooftop HVAC Systems Renewal	$	50,000
Boilers Renewal	$	275,000
Lighting Fixtures - Interior Renewal	$	730,000
Restroom Fixtures Renewal	$	509,000
Fire Alarm System Renewal	$	370,000
Heating Water Pumps Renewal	$	94,000
Exhaust Fans Renewal	$	170,000
Heat Exchanger Renewal	$	173,000
Cooling Water Piping Renewal	$	1,231,000
Heating Water Distribution Renewal	$	1,280,000
Sump Pumps Renewal	$	12,000
Wall-mounted Water Coolers Renewal	$	50,000
Custodial/Utility Sinks Renewal	$	65,000
Branch Wiring	$	941
Total Fiscal Year 2017	$	6,414,041

Fiscal Year 2018		
Description		Amount
Domestic Water Distribution Renewal	$	398,000
Exit Signs Renewal	$	87,000
Total Fiscal Year 2018	$	485,000

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

Fire Department Capital Facilities Maintenance Program (CFMP)

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): Fire Department
ORG: 45341749

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 1 – Asset Maintenance
Estimated Useful Life: Varies

Fire Department CFMP													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	6,733,233	*4,793,233*	200,000	240,000	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,940,000
Financing Plan													
Prior City Funding	4,393,233	*4,393,233*											0
Cash Capital	1,370,000	*175,000*	100,000	120,000	100,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	1,195,000
General Obligation Bonds	970,000	*225,000*	100,000	120,000	0	75,000	75,000	75,000	75,000	75,000	75,000	75,000	745,000
Total Financing Plan	6,733,233	*4,793,233*	200,000	240,000	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,940,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: All Public Building CFMP's have been adjusted significantly to reflect the recommendations of the ongoing Building Physical Conditions Assessment and to ensure that CFMP funds are spent on the highest priority repairs.

Project Description & Justification

The Fire Station 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 expectancies of equipment and materials necessary to adequately maintain facilities. The CFMP also provides for the scheduled capital maintenance needs of Fire and Rescue facilities, including painting and floor covering (carpet and tile) replacement; mechanical, electrical and plumbing systems; and window and roof replacements.

Funding is provided over the ten year plan for essential renovations and continued updating and repairs to the City's ten fire stations.

A prioritized list of projects planned for FY 2017 - 2019 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.

Completion of these projects maintains the City's physical assets, while helping maintain and enhance the Fire Department's capacity to respond to requests for assistance throughout the City.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community
- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce harm to people or property from disasters

Focus Area: Accountable, Effective, & Well-Managed Government
- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Promote neighborhoods that are amenity-rich

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Fire Department CFMP (Continued)

Fire Stations CFMP Category 1 Project List

Fiscal Year 2017		
Description		Amount
Station 209 - Front Ramp Repairs	$	14,000
Station 209 - Bay Floor	$	35,000
Station 205 - Exterior Sealant	$	40,000
Station 208 - Hose Tower Glass Ceiling Replacement/Exterior Painting and Sealant	$	100,000
All Stations - Miscellaneous	$	11,000
Total Fiscal Year 2017	$	200,000
Fiscal Year 2018		
Description		Amount
All Stations - Fire Station Security Upgrades	$	200,000
Total Fiscal Year 2018	$	200,000
Fiscal Year 2019		
Description		Amount
Station 204 - Exterior Painting	$	10,000
Station 205 - Exterior Sealant	$	50,000
Station 207 - Hot Water Heater	$	10,000
Station 202 - Exterior Gutter and Fascia Repairs	$	20,000
Station 206 - Parking Lot and Front Apron Repairs	$	60,000
Station 202 - Fence Replacement	$	15,000
Station 207 - Interior Painting	$	25,000
All Stations - Miscellaneous	$	10,000
Total Fiscal Year 2019	$	200,000

Fire Station Listing

Fire Station 201	317 Prince Street
Fire Station 202	213 E. Windsor Ave.
Fire Station 203	2801 Cameron Mills Rd.
Fire Station 204	900 Second St.
Fire Station 205	1210 Cameron Street
Fire Station 206	4609 Seminary Rd.
Fire Station 207	3301 Duke St.
Fire Station 208	175 N. Paxton St.
Fire Station 209	2800 Main Line Blvd.
Fire Station 210	5225 Eisenhower Ave

Fire Station 203 (Cameron Mills)

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): Fire Department
ORG: 45342351

Project Location: 2801 Cameron Mills Rd.
Reporting Area: North Ridge/Rosemont
Project Category/Priority: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	8,500,000	*1,600,000*	0	6,900,000	0	0	0	0	0	0	0	0	6,900,000
Financing Plan													
Cash Capital	1,100,000	*1,100,000*											0
General Obligation Bonds	7,400,000	*500,000*	0	6,900,000	0	0	0	0	0	0	0	0	6,900,000
Total Financing Plan	8,500,000	*1,600,000*	0	6,900,000	0	0	0	0	0	0	0	0	6,900,000
Additional Operating Impact													
Annual Impact			0	1,270,000	1,170,000	1,205,100	1,241,253	1,278,491	1,316,845	1,356,351	1,397,041	1,438,952	11,674,033
Cumulative Impact			0	1,270,000	2,440,000	3,645,100	4,886,353	6,164,844	7,481,689	8,838,040	10,235,081	11,674,033	11,674,033

Changes from Prior Year CIP: Funding pushed back to FY 2018.

Project Description & Justification

Fire Station 203, located in the Beverley Hills area, was built in 1948 and is 67 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 for a demolition-replacement as follows:

- 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;
- 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); and
- This "force-fit" also prevents the accommodation of Advanced Life Support (ALS) capability for the Beverley Hills area, where none currently exists; and 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 needs major improvements.

Full scale design began in FY 2015 with work in FY 2016 anticipated to be more detailed and specifically related to the logistics of bringing the project forward for design and construction in FY 2018. City staff has determined that this is an optimal location for fire 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 new stations that are safe, effective, and efficient. These capital investments in new fire stations versus investing in existing inefficient and aged fire stations help maximize the value of taxpayer dollars.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community
- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce harm to people or property from disasters

Focus Area: Accountable, Effective, & Well-Managed Government
- Achieves results the community values
- Ensure the government is accountable to the community

Focus Area: Livable, Green, & Prospering City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Promote neighborhoods that are amenity-rich

External or Internal Adopted Plan or Recommendation

- FY 2010 Alexandria Fire Department Facilities Renovation and Construction Program
- Fire Station Facilities Study, completed June 2008
- 2007 TriData Assessment of Alexandria Fire Department

Additional Operating Budget Impact

The new Station 203 is tentatively scheduled to open in the FY 2018 time frame. Previous CIPs have cited a 2007 study that calls for an additional medic unit at this station. This will be re-evaluated during the Fire Location Study. If a new medic unit is added, first year estimated costs of $1.2 million include compensation, uniforms, protective gear, communications gear, and training along with facility operating expenditures. It is also possible an existing medic unit could also be relocated here.

Fire Station 207 (Duke Street)

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): Fire Department
ORG: TBD

Project Location: 3301 Duke Street
Reporting Area: Taylor Run
Project Category/Priority: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	18,200,000	*0*	0	0	0	0	0	0	0	3,500,000	0	14,700,000	18,200,000
Financing Plan													
Cash Capital	1,000,000	*0*	0	0	0	0	0	0	0	1,000,000	0	0	1,000,000
General Obligation Bonds	17,200,000	*0*	0	0	0	0	0	0	0	2,500,000	0	14,700,000	17,200,000
Total Financing Plan	18,200,000	*0*	0	0	0	0	0	0	0	3,500,000	0	14,700,000	18,200,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	90,000	92,700	182,700
Cumulative Impact			0	0	0	0	0	0	0	0	90,000	182,700	182,700

Changes from Prior Year CIP: Project funding pushed back to FY 2024 and FY 2026 to accommodate the acceleration of the Fire Station 205 project.

Project Description & Justification

Station 207 (Duke Street) was built in 1963 and is 49 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 continues to study the optimal locations for its fire stations through a fire station location study expected to be completed in FY 2016. These apparatus placements may be adjusted based on the station and apparatus location study that staff is working on.

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 offset capital costs.

Completion of this project will enhance Fire Department prevention and response delivery services by operating new stations that are safe, effective, and efficient. These capital investments in new fire stations versus investing in existing inefficient and aged fire stations help maximize the value of taxpayer dollars.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce harm to people or property from disasters

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Promote neighborhoods that are amenity-rich

External or Internal Adopted Plan or Recommendation

- FY 2010 Alexandria Fire Department Facilities Renovation and Construction Program
- Fire Station Facilities Study, completed June 2008

Additional Operating Budget Impact

Due to the anticipated increase in facility size, $15,000 is budgeted beginning in FY 2025 to account for an increase in utility and maintenance costs.

Fire Station 211 (Beauregard)

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): Fire Department
ORG: TBD

Project Location: 4609 Seminary Road
Reporting Area: Seminary Hill
Project Category/Priority: 3- New Facilities
Estimated Useful Life: 30 years

Fire Station 211 (Beauregard)	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	13,200,000	*0*	0	0	1,100,000	5,000,000	7,100,000	0	0	0	0	0	13,200,000
Financing Plan													
Cash Capital	200,000	*0*	0	0	0	0	200,000	0	0	0	0	0	200,000
General Obligation Bonds	1,800,000	*0*	0	0	0	0	1,800,000	0	0	0	0	0	1,800,000
Private Capital Contributions	11,200,000	*0*	0	0	1,100,000	5,000,000	5,100,000	0	0	0	0	0	11,200,000
Total Financing Plan	13,200,000	*0*	0	0	1,100,000	5,000,000	7,100,000	0	0	0	0	0	13,200,000
Additional Operating Impact													
Annual Impact			0	0	0	0	5,700,000	5,490,000	5,654,700	5,824,341	5,999,071	6,179,043	34,847,156
Cumulative Impact			0	0	0	0	5,700,000	11,190,000	16,844,700	22,669,041	28,668,112	34,847,156	34,847,156

Changes from Prior Year CIP: No changes from prior CIP.

Project Description & Justification

Station 211(Beauregard) is planned to be constructed as a new 18,000 square feet, two story steel framed/brick structure building to be located at the junction of Beauregard street and Sanger Avenue within the Beauregard Development Zone. The station proposes to house the following: basic services area, residential areas, and an apparatus area. The station is projected to house an engine, a ladder truck, a medic unit and potentially other existing units based on operational needs. The City continues to study the optimal locations for its fire stations through a fire station location study expected to be completed in FY 2016. These apparatus placements may be adjusted based on the station and apparatus location study that staff is working on.

The probable construction cost is approximately $11.2 million; however, the exact scope has not been determined. The City's financial obligation is budgeted at $2.0 million and may include certain apparatus and equipment to operate the facility, with the remaining construction cost covered by the developer's contribution. Construction is not planned until FY 2020, and will require development contributions to be completed. The City continues to study the optimal locations for its fire stations through a fire station location study expected to be completed in FY 2016.

Completion of this project will enhance Fire Department prevention and response delivery services in the Beauregard Corridor by operating a new station that is effective and efficient.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce harm to people or property from disasters

Focus Area: Accountable, Effective & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Promote neighborhoods that are amenity-rich

External or Internal Adopted Plan or Recommendation

- FY 2010 Alexandria Fire Department Facilities Renovation and Construction Program
- Fire Station Facilities Study, completed June 2008

Additional Operating Budget Impact

Estimated costs are for staffing levels that include 15 FTEs for the engine, 15 FTEs for the ladder truck and 10 FTEs for the medic unit, one-time personal protection gear costs and station operating costs. At this point in time, a staffing plan has not been approved, so the additional operating impact reflects the costs of the Fire Department request only.

Fire Station 206 (Seminary Road)

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): Fire Department
ORG: TBD

Project Location: TBD
Reporting Area: Seminary Hill
Project Category/Priority: 3 – New Facilities
Estimated Useful Life: 30 years

Fire Station 206 (Seminary Rd)													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	11,528,000	*0*	0	0	0	0	720,000	0	10,808,000	0	0	0	11,528,000
Financing Plan													
Cash Capital	1,000,000	*0*	0	0	0	0	500,000	0	500,000	0	0	0	1,000,000
General Obligation Bonds	10,528,000	*0*	0	0	0	0	220,000	0	10,308,000	0	0	0	10,528,000
Total Financing Plan	11,528,000	*0*	0	0	0	0	720,000	0	10,808,000	0	0	0	11,528,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	90,000	92,700	95,481	278,181
Cumulative Impact			0	0	0	0	0	0	0	90,000	182,700	278,181	278,181

Project Description & Justification

Station 206 (Seminary Road) was built in 1958 and is 54 years old, four years beyond the generally accepted life cycle for a fire station. This two bay Station houses a rescue engine, a rescue squad, a medic unit, and a Battalion Chief vehicle. Station 206 primarily responds to emergencies in the West End, even though located east of I-395. Because of the high call volume in the West End, Station 206 resources are regularly supplemented by automatic aid from Fairfax and Arlington Counties.

The Station 206 bays have narrow and low overhead doors that cannot accommodate modern apparatus; there are insufficient living areas for staff; and the assessment by the independent architectural-engineering firm recommended demolition of the existing facility. A new station is needed to house an engine, a rescue unit, the technical rescue support unit, a medic unit, and vehicles for a Battalion Chief and an EMS Supervisor. The City continues to study the optimal locations for its fire stations through a fire station location study expected to be completed in FY 2016. These apparatus placements may be adjusted based on the station and apparatus location study that staff is working on.

Completion of this project will enhance Fire Department prevention and response delivery services by operating new stations that are safe, effective, and efficient. These capital investments in new fire stations versus investing in existing inefficient and aged fire stations help maximize the value of taxpayer dollars

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce harm to people or property from disasters

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Promote neighborhoods that are amenity-rich

External or Internal Adopted Plan or Recommendation

- FY 2010 Alexandria Fire Department Facilities Renovation and Construction Program
- Fire Station Facilities Study, completed June 2008

Additional Operating Budget Impact

Due to the anticipated increase in facility size, $90,000 is budgeted beginning in FY 2024 to account for an increase in utility and maintenance costs.

Fire Station 205 (Cameron Street)

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): Fire Department
ORG: TBD

Project Location: 1210 Cameron Street
Reporting Area: Braddock Road Metro
Project Category/Priority: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	11,273,000	*0*	0	250,000	3,150,000	7,873,000	0	0	0	0	0	0	11,273,000
Financing Plan													
Cash Capital	1,000,000	*0*	0	250,000	750,000	0	0	0	0	0	0	0	1,000,000
General Obligation Bonds	10,273,000	*0*	0	0	2,400,000	7,873,000	0	0	0	0	0	0	10,273,000
Total Financing Plan	11,273,000	*0*	0	250,000	3,150,000	7,873,000	0	0	0	0	0	0	11,273,000
Additional Operating Impact													
Annual Impact			0	0	0	0	90,000	92,700	95,481	98,345	101,296	104,335	582,157
Cumulative Impact			0	0	0	0	90,000	182,700	278,181	376,526	477,822	582,157	582,157

Changes from Prior Year CIP: Funding moved forward to FY 2018 - FY 2020, based on departmental request. Funding for Fire Station 207 (Duke Street) has been pushed back to accommodate acceleration of Fire Station 205 project.

Project Description & Justification

Station 205 (Cameron Street) was built in 1949 and is 63 years old, 13 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; and the 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 continues to study the optimal locations for its fire stations through a fire station location study expected to be completed in FY 2016. These apparatus placements may be adjusted based on the station and apparatus location study that staff is working on. 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 $2.4 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 capital costs.

Completion of this project will enhance Fire Department prevention and response delivery services by operating new stations that are safe, effective, and efficient. These capital investments in new fire stations versus investing in existing inefficient and aged fire stations help maximize the value of taxpayer dollars.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce harm to people or property from disasters

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Promote neighborhoods that are amenity-rich

External or Internal Adopted Plan or Recommendation

- FY 2010 Alexandria Fire Department Facilities Renovation and Construction Program
- Fire Station Facilities Study, completed June 2008

Additional Operating Budget Impact

Due to the anticipated increase in facility size, $90,000 is budgeted beginning in FY 2021 to account for an increase in utility and maintenance costs.

Office of the Sheriff Capital Facilities Maintenance Program (CFMP)

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): Sheriff's Office
ORG: 45341726

Project Location: 2001/03 Mill Rd; 520 King St
Reporting Area: Eisenhower East
Project Category/Priority: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	5,298,356	*3,414,356*	556,000	0	0	485,000	843,000	0	0	0	0	0	1,884,000
Financing Plan													
Prior City Funding	2,954,356	*2,954,356*											0
Cash Capital	880,000	*335,000*	85,000	0	0	220,000	240,000	0	0	0	0	0	545,000
General Obligation Bonds	1,464,000	*125,000*	471,000	0	0	265,000	603,000	0	0	0	0	0	1,339,000
Total Financing Plan	5,298,356	*3,414,356*	556,000	0	0	485,000	843,000	0	0	0	0	0	1,884,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: All Public Building CFMP's have been adjusted significantly to reflect the recommendations of the ongoing Building Physical Conditions Assessment and to ensure that CFMP funds are spent on the highest priority repairs.

Project Description & Justification

This project will provide funds to update and repair existing infrastructure at the Public Safety Center (PSC), Franklin Backus Courthouse, and the William G. Truesdale Detention Center, managed by the Alexandria Sheriff's Office (ASO). The ASO and the Department of General Services (DGS) work together to review approved projects and establish a list of priorities and evaluate new project proposals.

A prioritized list of projects planned for FY 2017 - 2019 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Ensure all community members are treated justly and protected under the law

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Office of the Sheriff Facilities CFMP (Continued)

Office of the Sheriff CFMP Category 1 Project List

Fiscal Year 2017	
Description	Amount
Steel Windows Renewal - Public Safety Center (PSC)	$ 556,000
Total Fiscal Year 2017	$ 556,000

Fiscal Year 2018	
Description	Amount
No projects planned	
Total Fiscal Year 2018	$ -

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

Courthouse Renovations – HVAC Replacement and Capital Facilities Maintenance

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: 45342277

Project Location: 520 King Street
Reporting Area: Old Town
Project Category/Priority: 2 – Renovations/Existing Assets
Estimated Useful Life: 5-15 years

Courthouse Renovations - HVAC and CFMP													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	9,967,000	*950,000*	87,000	736,000	0	2,580,000	0	0	0	2,063,000	3,551,000	0	9,017,000
Financing Plan													
Cash Capital	420,000	*120,000*	0	0	0	100,000	0	0	0	100,000	100,000	0	300,000
General Obligation Bonds	9,547,000	*830,000*	87,000	736,000	0	2,480,000	0	0	0	1,963,000	3,451,000	0	8,717,000
Total Financing Plan	9,967,000	*950,000*	87,000	736,000	0	2,580,000	0	0	0	2,063,000	3,551,000	0	9,017,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: All Public Building CFMP's have been adjusted significantly to reflect the recommendations of the ongoing Building Physical Conditions Assessment and to ensure that CFMP funds are spent on the highest priority repairs.

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 good 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 and roof replacements.

Priority projects in the Courthouse include the replacement of the five remaining air handler units and installation of Variable Air Volume devices and updated controllers.

Staff has performed initial design/engineering work related to the HVAC rehab in order to establish a reasonable budget estimate and timeline. Final design will be a necessary component of the actual implementation efforts.

The project helps maintain the City's physical assets value. Fiscal resources are managed more efficiently with a more efficient HVAC system. Additionally, project completion will help control utility consumption and minimize the City's carbon footprint.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Courthouse Renovations CFMP (Continued)

Courthouse Renovations CFMP Category 1 Project List

Fiscal Year 2017		
Description		Amount
Door Assembly - 6 x 7 Wood Renewal	$	20,000
Overhead Rolling Doors - Electric Operation Renewal	$	29,000
Door Assembly - 3 x 7 HM Renewal	$	38,000
Total Fiscal Year 2017	$	87,000

Fiscal Year 2018		
Description		Amount
Restroom - Complete - Double Renewal	$	736,000
Total Fiscal Year 2018	$	736,000

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

Emergency Operations Center/Public Safety Center Reuse

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: 45342085

Project Location: 2003 Mill Rd.
Reporting Area: Eisenhower East
Project Category/Priority: 3 – New Facilities
Estimated Useful Life: 25 years

Emergency Operations Center/Public Safety Center Reuse													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	4,899,500	*4,899,500*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior Year City Funding	4,899,500	*4,899,500*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	4,899,500	*4,899,500*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project was funded in FY2013 and included the build-out of a new and dedicated City Emergency Operation Center (EOC) in the space vacated by the Police Department, as well as expanded Sheriff's Office, Police Hack Office, and Emergency Management storage.

In order to provide necessary HVAC service for these new functions, additional funding was requested in FY 2014 for the replacement of the five Air Handling Units serving the building's west wing (administrative wing) as well as the necessary equipment to provide back-up emergency power to the entire facility. During the design phase for the build-out, it was determined that two of the five Air Handling Units (AHU's) serving the west wing do not have sufficient capacity to serve the space. In addition, all five units are 27 years old and they have exceeded their 25-year life expectancy.

Additionally, during the summer storms of 2012, it was determined that a critical facility such as the Public Safety Center should have full emergency power back-up to ensure uninterrupted operation and protect the safety of the employees and inmates. Having the building fully backed up by emergency power will allow the HVAC operation to be undisrupted during a power outage and facilitate the expansion of the EOC operation in other areas of the building if more space is needed (e.g., conference room on other floors, gymnasium, etc.)

Design work was completed in summer 2015. Construction began in winter 2016 and is scheduled to be completed in summer 2017.

Completion of this project will manage financial resources by replacing 27 year old equipment with new energy efficient equipment, which decreases maintenance and energy costs. Additionally, the safety of the building will be enhanced by providing back-up emergency power for the entire facility and supports City-wide public safety by providing an effective Emergency Operations Center.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce harm to people or property from disasters
- Reduce harm to people or property from building failures

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

Focus Area: Livable, Green, & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Unknown at this time. Additional operating impact will depend on the final scope of work developed for the EOC.

Police K-9 Facility Renovation

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): Police Department
ORG: 45341754

Project Location: 1108B Jefferson St.
Reporting Area: Southwest Quadrant
Project Category/Priority: 2 – Renovations/Existing Assets
Estimated Useful Life: 20 years

Police K-9 Facility Renovation													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	525,900	*525,900*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	525,900	*525,900*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	525,900	*525,900*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project will provide for the renovation of the existing Police K-9 Facility located adjacent to the Lee Center. The facility is in need of renovation. Current conditions do not meet some building codes and need to be addressed. This renovation will address needed reallocation of space within the facility. Additional work space is needed for police officers, as well as space for roll call/meeting use. The renovation will also address needed training and kennel enhancements, which will deter the spread of common kennel diseases. The kennels provide K-9 dog housing when handlers are in non-K-9 training or are out of town. K-9 dogs generally are not accepted at private boarding facilities so this facility provides the housing needed for the animals, as well as related work space for the handlers.

This design for this project has been completed, and construction is expected to start in spring 2016.

Completion of this project helps maintain and enhance the City's public safety facilities.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Reduce crime

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the fiscal strength of the government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

The renovation of the K-9 facility should not have an annual operating budget impact. With energy efficiency gained through new HVAC systems, the energy cost for the facility may actually decrease, or achieve cost avoidance in future years.

Pistol Range

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): Police Department
ORG: 45342345

Project Location: 5261 Eisenhower Ave.
Reporting Area: Eisenhower West
Project Category/Priority: 2 – Renovations/Existing Assets
Estimated Useful Life: 25 years

Pistol Range													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,780,000	*1,680,000*	1,100,000	0	0	0	0	0	0	0	0	0	1,100,000
Financing Plan													
Cash Capital	180,000	*180,000*											0
General Obligation Bonds	2,600,000	*1,500,000*	1,100,000	0	0	0	0	0	0	0	0	0	1,100,000
Total Financing Plan	2,780,000	*1,680,000*	1,100,000	0	0	0	0	0	0	0	0	0	1,100,000
Additional Operating Impact													
Annual Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: Funding added in FY 2017 to address additional repairs identified during the course of this project.

Project Description & Justification

This project provides funding for improvements at the Charles Hill Memorial Firearms Training Facility to address the health, safety, and noise concerns raised by the Alexandria Police Department and regional public safety user groups. The Pistol Range is heavily used by about 500 Alexandria Police officers and Sheriff's deputies who are required to train at the Range annually for a total of about 6,500 total hours a 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 project design, additional issues were unveiled with the facility. The $1.1 million of funding in FY 2017 is to address these additional issues:

- Grouting of existing walls to increase ballistic value. The existing walls surrounding the range are hollow (not grouted) meaning that they do not have any ballistic properties.
- Installation of ballistic baffles, which are significantly heavier and require reinforcing existing foundation to support baffles.
- Installation of an automated lead dust collector to the existing bullet trap to decrease inhalation and exposure of lead dust to the instructors and trainees standing in close proximity to the trap.

In addition to maintaining our City's public safety infrastructure, this project mitigates environmental concerns at the facility.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure & Just Community
- Reduce crime

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure the fiscal strength of the government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Unknown at this time. Additional operating impact will depend on the final scope of work developed for the Pistol Range.

Vola Lawson Animal Shelter Capital Facilities Maintenance Program

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): N/A
ORG: 45341741

Project Location: 4101 Eisenhower Ave
Reporting Area: Seminary Hill
Project Category/Priority: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	511,691	*296,691*	0	0	0	128,000	0	87,000	0	0	0	0	215,000
Financing Plan													
Prior City Funding	266,691	*266,691*											0
Cash Capital	245,000	*30,000*	0	0	0	128,000	0	87,000	0	0	0	0	215,000
Total Financing Plan	511,691	*296,691*	0	0	0	128,000	0	87,000	0	0	0	0	215,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: All Public Building CFMP's have been adjusted significantly to reflect the recommendations of the ongoing Building Physical Conditions Assessment and to ensure that CFMP funds are spent on the highest priority repairs.

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).

There are no planned projects for FY 2017 – FY 2026.

This annual investment enhances the City's ability to respond to and shelter homeless animals in the City.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Animal Shelter Exterior Dog Kennels

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): Multiple Departments
ORG: TBD

Project Location: 4101 Eisenhower Ave
Reporting Area: Seminary Hill
Project Category/Priority: 2 – Renovations/Existing Facilities
Estimated Useful Life: N/A

Animal Shelter Exterior Dog Kennels													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	258,000	*0*	258,000	0	0	0	0	0	0	0	0	0	258,000
Financing Plan													
Cash Capital	58,000	*0*	58,000	0	0	0	0	0	0	0	0	0	58,000
General Obligation Bonds	200,000	*0*	200,000	0	0	0	0	0	0	0	0	0	200,000
Total Financing Plan	258,000	*0*	258,000	0	0	0	0	0	0	0	0	0	258,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			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 Vola Lawson Animal Shelter, owned by the City of Alexandria, has three rooms of dog kennels or three "runs". These dog kennels, or dog runs, have a section that is inside and a section that is outside and these sections are separated by a guillotine door that can be opened or closed from either the inside or outside of each kennel. Kennels that have two separate sides separated by a guillotine door are the best and most effective kennel design. This allows dogs to be on one side of the kennel while the other side of their kennel is cleaned. The dogs do not need to be handled, removed from the kennel, get wet or come into contact with cleaning products during the cleaning process. Old style kennels did not have guillotine doors and the dogs either were left in the kennel while it was cleaned, which meant that the dog became wet or the dog had to be moved out of its kennel during cleaning which increases the risk of injury to the staff person handling the animal and the animal spreading disease outside of its kennel and to other dogs.

Although the kennels at the Vola Lawson Animal Shelter have the modern, double sided, guillotine door design, one half of the kennel is outdoors and this outdoor section is not covered and does not provide protection from the elements including rain and snow. To address this problem, staff recommends the installation of Kennel covers. Kennel covers are installed on the outdoor sections of the kennels.

The Virginia Department of Agriculture and Consumer Services (VDACS), Division of Animal and Food Industry Services enforces the rules pertaining to the health, humane care and humane handling of companion animals in the Commonwealth of Virginia including Chapter 110 of the Rules and Regulations Pertaining to a Pound or Enclosure to be Maintained by Each County or City. Section 2VAC5-110-40 of this chapter “Minimum animal housing standards” states, “All kennel buildings and enclosures shall provide adequate protection against weather extremes for each animal.”

City’s Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieves results the community values
- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

New Burn Building

Document Subsection: Public Safety Facilities
Managing Department: General Services
Supporting Department(s): Fire Department
ORG: TBD

Project Location: Citywide
Reporting Area: Southwest Quadrant
Project Category/Priority: 2 - Renovations/Existing Assets or Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,390,000	*0*	0	0	0	0	250,000	1,140,000	0	0	0	0	1,390,000
Financing Plan													
Cash Capital	265,000	*0*	0	0	0	0	125,000	140,000	0	0	0	0	265,000
General Obligation Bonds	1,125,000	*0*	0	0	0	0	125,000	1,000,000	0	0	0	0	1,125,000
Total Financing Plan	1,390,000	*0*	0	0	0	0	250,000	1,140,000	0	0	0	0	1,390,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2021 and FY 2022.

Project Description & Justification

The Fire Department's Burn Building was constructed in 1981. This facility was reviewed in 2007 by TriData (TriData Study) and again in late 2008 by Michael Baker (Baker Study). Both of these studies have acknowledged that the life of the building should be no more than 30 years which would put 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: : Goal 6 – Public Safety

Focus Area: Healthy & Thriving Residents

- Improve City residents' overall health
- Reduce City residents' incidents of preventable diseases

Focus Area: Livable, Green, & Prospering City

- Improve the City's air quality
- Increase the value of the real estate tax base

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values

Focus Area: Safe, Secure & Just Community

- Reduce harm to people and property from fire
- Reduce harm to people or property from disasters
- Reduce harm to people or property from building failures

External or Internal Adopted Plan or Recommendation

- Michael Baker Study 2018
- TriData Study 2007

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

TRANSPORTATION AND TRANSIT INFRASTRUCTURE

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Transportation & Transit Infrastructure
Proposed FY 2017 – 2026 Capital Improvement Program
Summary of All Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Fixed Transportation Equipment											
Citywide Parking - Parking Study	150,000	0	0	0	0	0	0	0	0	0	150,000
Citywide Parking - Parking Technologies	0	110,000	200,000	0	400,000	0	0	0	0	0	710,000
Citywide Trans. Mgmt. Tech. - Broadband TSA Communications Link	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	1,918,000	7,000,000	0	0	0	0	0	0	0	0	8,918,000
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	0	900,000
Citywide Trans. Mgmt. Tech. - Transportation Technologies	175,000	250,000	250,000	0	0	0	0	250,000	0	0	925,000
Fixed Transportation Equipment	850,000	1,450,000	850,000	850,000	850,000	850,000	2,350,000	850,000	850,000	850,000	10,600,000
Citywide Transportation Management System (SCOOT/Tdi)	0	0	0	0	0	0	0	0	0	0	0
Fixed Transportation Equipment Total	4,193,000	8,910,000	1,400,000	950,000	1,350,000	950,000	2,450,000	1,200,000	950,000	850,000	23,203,000
High Capacity Transit Corridors											
Route 1 Transitway - Metroway Construction	0	0	500,000	0	0	0	0	0	0	0	500,000
Route 1 Transitway (NEPP)	0	0	500,000	500,000	500,000	0	0	0	0	0	1,500,000
Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	0	0	0	210,000	0	2,100,000	2,000,000	15,000,000	0	0	19,310,000
Transit Corridor "C" - West End Transitway	7,000,000	40,000,000	40,000,000	23,400,000	2,600,000	12,100,000	12,500,000	0	0	0	137,600,000
Transit Corridor "C" - Transit Priority	0	0	0	0	0	0	0	0	0	0	0
High Capacity Transit Corridors Total	7,000,000	40,000,000	41,000,000	24,110,000	3,100,000	14,200,000	14,500,000	15,000,000	0	0	158,910,000

Transportation & Transit Infrastructure
Proposed FY 2017 – 2026 Capital Improvement Program
Summary of All Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Non-Motorized Transportation											
Backlick Run Multi-Use Paths	0	0	200,000	1,918,000	0	0	0	0	0	0	2,118,000
Bicycle Parking at Metro Stations	350,000	0	0	0	0	0	0	0	0	0	350,000
BRAC 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	675,000	699,313	368,174	402,000	350,000	0	0	0	0	0	2,494,487
Complete Streets	830,000	830,000	1,170,000	830,000	830,000	830,000	830,000	830,000	830,000	830,000	8,640,000
Edsall and South Pickett Pedestrian Imprv.	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Greenway	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	0	2,095,000	6,000,000	0	0	0	0	0	0	0	8,095,000
Safe Routes to Schools	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	300,000	1,500,000
Sidewalk Capital Maintenance	950,000	300,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	0	4,550,000
Transportation Master Plan Update	0	500,000	0	0	0	0	0	0	0	0	500,000
Van Dorn/Beauregard Bicycle Facilities	0	0	250,000	1,171,000	0	0	0	0	0	0	1,421,000
Wilkes Street Bikeway	0	0	0	0	0	0	0	0	0	0	0
Pedestrian & Bicycle Master Plan Update	0	0	0	0	0	0	0	0	0	0	0
Non-Motorized Transportation Total	2,805,000	4,724,313	8,588,174	4,921,000	1,780,000	1,430,000	1,430,000	1,430,000	1,430,000	1,130,000	29,668,487
Public Transit											
Bus Shelters and Benches	0	270,000	0	0	600,000	0	0	0	0	0	870,000
DASH Bus Fleet Replacements	3,900,000	3,900,000	4,050,000	4,050,000	2,800,000	3,375,000	2,100,000	2,800,000	2,100,000	0	29,075,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	150,000	250,000	300,000	350,000	350,000	400,000	500,000	550,000	450,000	450,000	3,750,000
DASH NEPP Implementation	0	0	0	450,000	750,000	0	0	0	0	0	1,200,000
DASH Real Time Bus Information System	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	0	0	0	0	0	0	0	0	0	0	0
Landmark Transit Station	0	0	0	0	0	0	600,000	5,400,000	0	0	6,000,000
Potomac Yard Metrorail Station	270,000,000	0	0	0	0	0	0	0	0	0	270,000,000
South Eisenhower Metrorail Station - South Entrance	0	0	0	0	0	0	0	0	0	0	0
Van Dorn Metrorail Station Area Imprv.	1,500,000	800,000	0	0	0	0	0	0	0	0	2,300,000
WMATA Capital Contributions	1,750,000	7,500,000	14,300,000	13,900,000	15,900,000	11,500,000	11,500,000	11,500,000	11,500,000	11,500,000	110,850,000
Public Transit Total	277,300,000	12,720,000	18,650,000	18,750,000	20,400,000	15,275,000	14,700,000	20,250,000	14,050,000	11,950,000	424,045,000

Transportation & Transit Infrastructure
Proposed FY 2017 – 2026 Capital Improvement Program
Summary of All Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Streets & Bridges											
Bridge Repairs	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	5,000,000
City Standard Construction Specifications	0	0	0	0	0	0	0	0	0	0	0
East Glebe & Route 1	0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
Eisenhower Avenue Roadway Improvements	0	0	0	0	0	0	0	0	0	0	0
EW & LVD Implementation - High Street Design/Engineering	0	0	0	0	0	0	500,000	0	0	0	500,000
King & Beauregard Intersection Improvements	0	0	0	0	0	0	0	0	0	0	0
King/Quaker Lane/Braddock Rd. Intersection	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
Route 1 @ E. Reed Intersection 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
Street Reconstruction & Resurfacing of Major Roads	5,300,000	5,300,000	5,500,000	5,500,000	5,500,000	5,500,000	5,000,000	5,300,000	5,300,000	5,300,000	53,500,000
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	0	200,000	300,000	0	0	0	0	0	0	0	500,000
Streets & Bridges Total	5,600,000	12,700,000	22,300,000	22,900,000	5,800,000	6,200,000	5,800,000	6,000,000	5,600,000	6,000,000	98,900,000
Total	296,898,000	79,054,313	91,938,174	71,631,000	32,430,000	38,055,000	38,880,000	43,880,000	22,030,000	19,930,000	734,726,487

Transportation Improvement Program (TIP)
Proposed FY 2017 – 2026 Sources & 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

Transportation Improvement Program (TIP) Revenues	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 17-FY26
TIP Reserved Real Estate Tax Rate	$8,350,335	$8,617,546	$8,893,307	$9,177,893	$9,471,586	$9,774,676	$10,087,466	$10,410,265	$10,743,393	$11,087,182	$96,613,649
TIP Cash Capital	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TIP Cash Reprogrammed from Prior Years	$325,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$325,000
TIP General Obligation Bonds	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TIP General Obligation Bonds Reprogrammed from Prior Years	$750,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$750,000
Fund Balance Carryover	$0	$0	$176,965	$0	$0	$0	$570,145	$403,107	$420,367	$925,970	$2,496,554
Reimbursed TIP Funds (NVTA)	$0	$1,000,000	$400,000	$0	$0	$0	$0	$0	$0	$0	$1,400,000
Total TIP Revenues	$9,425,335	$9,617,546	$9,470,272	$9,177,893	$9,471,586	$9,774,676	$10,657,611	$10,813,372	$11,163,761	$12,013,152	$101,585,203

Summary of Operating Expenditures, Debt Service and Capital Projects

Transportation Improvement Program Expenditure Overview	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 17-FY26
TIP Operating (Current + Expanded)	$4,947,842	$4,884,555	$4,992,156	$5,438,725	$5,555,971	$5,685,599	$5,807,671	$5,920,158	$6,037,234	$6,112,630	$55,382,541
TIP Operating - WMATA (Added FY 2016)	$1,378,028	$2,774,069	$2,613,668	$2,692,228	$2,286,182	$2,757,008	$2,752,419	$2,747,691	$2,742,822	$2,737,807	$25,481,922
TIP Capital Projects	$2,500,000	$1,200,000	$1,300,000	$500,000	$1,100,000	$250,000	$1,200,000	$1,250,000	$1,000,000	$1,000,000	$11,300,000
TIP Debt Service (2013 $6.75M Bond Issuance)	$599,466	$581,957	$564,449	$546,940	$529,432	$511,923	$494,415	$475,156	$457,735	$443,798	$5,205,271
Total TIP Expenditures	$9,425,336	$9,440,581	$9,470,273	$9,177,893	$9,471,586	$9,204,531	$10,254,504	$10,393,005	$10,237,791	$10,294,236	$97,369,734

Transportation Improvement Program (TIP)
Proposed FY 2017 – 2026 Sources & Uses

Details of Operating Expenditures and Debt Service (Continued)

Transportation Improvement Program (TIP) Projects (Base Operating Beginning FY 2015)	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 17-FY26
Capital Bikeshare (Phases I & II)	$192,850	$195,743	$198,679	$201,659	$204,684	$207,754	$210,871	$214,034	$217,244	$220,503	$2,064,020
Bus Shelter Maintenance	$144,232	$146,395	$148,591	$150,820	$153,082	$155,378	$157,709	$160,075	$162,476	$164,913	$1,543,670
Street Repair Budget	$721,158	$731,975	$742,954	$754,099	$765,410	$776,891	$788,545	$800,373	$812,379	$824,564	$7,718,348
DASH Expansion (AT 6, AT8, AT9 expansion implemented)	$1,632,120	$1,656,602	$1,681,451	$1,706,673	$1,732,273	$1,758,257	$1,784,631	$1,811,400	$1,838,571	$1,866,150	$17,468,126
Expanded Trolley Operations	$203,863	$206,921	$210,025	$213,175	$216,372	$219,618	$222,912	$226,256	$229,650	$233,095	$2,181,886
Transportation Implementation Staff - T&ES Positions	$199,240	$205,217	$211,374	$217,715	$224,246	$230,974	$237,903	$245,040	$252,391	$259,963	$2,284,063
Transportation Implementation Staff - DPI Positions	$440,095	$453,298	$466,897	$480,904	$495,331	$510,191	$525,496	$541,261	$557,499	$574,224	$5,045,196
Urban Planner III (T&ES G/F) & 0.5 Wayfinding	$175,894	$181,171	$186,606	$192,204	$197,970	$203,909	$210,027	$216,327	$222,817	$229,502	$2,016,428
Traffic Engineer (TES)	$152,760	$157,343	$162,063	$166,925	$171,933	$177,091	$182,403	$187,876	$193,512	$199,317	$1,751,222
Parking Planner (TES)	$131,972	$135,931	$140,009	$144,209	$148,536	$152,992	$157,581	$162,309	$167,178	$172,194	$1,512,911
Indirect Costs to General Fund	$473,738	$264,440	$272,373	$280,544	$288,961	$297,629	$306,558	$315,755	$325,228	$325,229	$3,150,455

Transportation Improvement Program (TIP) Projects (Expanded Operating - FY 2017 & Beyond)	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 17-FY26
Capital Bikeshare Expansion Operations (Phase III)	$160,000	$164,800	$169,744	$174,836	$180,081	$185,484	$191,048	$196,780	$202,683	$208,764	$1,834,221
DASH Expansion (AT 1 peak improvements)	$319,921	$324,720	$329,591	$334,534	$339,552	$344,646	$349,815	$355,063	$360,389	$365,794	$3,424,025
DASH Bus Future Expansion (AT8 and AT1 Weekend Headways)	$0	$0	0	$346,774	$351,976	$357,255	$362,614	$368,053	$373,574	$346,775	$2,507,021
Trail Maintenance	$0	$0	$10,000	$10,000	$20,000	$40,000	$50,000	$50,000	$50,000	$50,001	$280,001
King Street Station Operations	$0	$60,000	$61,800	$63,654	$65,564	$67,531	$69,556	$69,556	$71,643	$71,643	$600,947
TIP Operating Costs (Current + Expanded)	$4,947,842	$4,884,555	$4,992,156	$5,438,725	$5,555,971	$5,685,599	$5,807,671	$5,920,158	$6,037,234	$6,112,630	$55,382,541

TIP Debt Service	$599,466	$581,957	$564,449	$546,940	$529,432	$511,923	$494,415	$475,156	$457,735	$443,798	$5,205,271

Transportation Improvement Program (TIP)
Proposed FY 2017 – 2026 Sources & Uses

Details of Capital Projects

Transportation Improvement Program (TIP) Projects Subsection/Project	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 17-FY26
High Capacity Transit Corridors											
N/A	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Public Transit											
DASH Bus Fleet Replacements (TIP Bonds)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
King Street Metrorail Station Area (TIP Bonds)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
King Street Metrorail Station Area (Reprogrammed TIP Cash)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Van Dorn Metrorail Station Area Improv. (TIP Bonds)	$750,000	$0	0	$0	$0	$0	$0	$0	$0	$0	$750,000
Van Dorn Metrorail Station Area Improv. (Reprogrammed TIP Cash)	$325,000	$0	0	$0	$0	$0	$0	$0	$0	$0	$325,000
WMATA Capital Contributions (TIP Bonds)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
WMATA Capital Contributions (TIP Cash)	$1,100,000	$750,000	$750,000	$500,000	$1,100,000	$250,000	$0	$0	$0	$0	$4,450,000
Streets & Bridges											
Street Reconstruction & Resurfacing/Major Rd. (TIP Cash)	$0	$0	$0	$0	$0	$0	$700,000	$1,000,000	$1,000,000	$1,000,000	$3,700,000
Duke Street Reconstruction (TIP Bonds)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
High Street Construction (TIP Cash)	$0	$0	$0	$0	$0	$0	$500,000	$0	$0	$0	$500,000
City Standard Construction Specifications (TIP Cash)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Non-Motorized Transportation											
Parking Ratio Study (TIP Cash)	$150,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$150,000
Old Cameron Run Trail (TIP Bonds)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Van Dorn Multimodal Bridge (TIP Cash)	$0	$200,000	$300,000	$0	$0	$0	$0	$0	$0	$0	$500,000
Mt. Vernon Trail @ East Abingdon (TIP Bonds)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Mt. Vernon Trail @ East Abingdon (TIP Cash)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Fixed Transportation Equipment											
Transportation Technologies (TIP Cash)	$175,000	$250,000	$250,000	$0	$0	$0	$0	$250,000	$0	$0	$925,000
Transportation Technologies (TIP Bonds)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
City Council Contingency											
Council Contingency for Trans. Commission Priorities (TIP Bonds)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total CIP Transportation Improvement Program	$2,500,000	$1,200,000	$1,300,000	$500,000	$1,100,000	$250,000	$1,200,000	$1,250,000	$1,000,000	$1,000,000	$11,300,000

Northern Virginia Transportation Authority (NVTA) – 30% Funds
Proposed FY 2017 – 2026 Sources and Uses
Revenues, Operating Expenditures, and Capital Projects

Revenues/Expenditures	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 17 - 26
Revenues											
NVTA 30%	$6,583,000	$6,701,494	$6,822,121	$6,944,919	$7,069,928	$7,197,186	$7,326,736	$7,458,617	$7,592,872	$7,729,544	$71,426,416
Fund Balance Carryover		$0	$128,494	$327,615	$224,534	$546,462	$0	$543,736	$722,553	$1,387,421	
Subtotal, Available Revenue	$6,583,000	$6,701,494	$6,950,615	$7,272,534	$7,294,462	$7,743,648	$7,326,736	$8,002,353	$8,315,425	$9,116,964	$71,426,416
Capital Details											
DASH Bus Fleet Replacements	$3,250,000	$3,250,000	$4,050,000	$3,375,000	$2,125,000	$2,700,000	$1,400,000	$2,100,000	$1,400,000	$0	$23,650,000
WMATA Capital Contributions	$650,000	$1,750,000	$1,000,000	$1,500,000	$650,000	$1,500,000	$2,250,000	$2,000,000	$2,300,000	$2,300,000	$15,900,000
Subtotal, Capital Projects	$3,900,000	$5,000,000	$5,050,000	$4,875,000	$2,775,000	$4,200,000	$3,650,000	$4,100,000	$3,700,000	$2,300,000	$39,550,000
Operating Details											
Additional WMATA Subsidy (Base Ops)	$2,683,000	$1,573,000	$1,573,000	$1,573,000	$1,573,000	$1,143,648	$1,573,000	$1,573,000	$1,573,000	$1,573,000	$16,410,648
Transit Corridor "C" - West End Transitway Operations	$0	$0	$0	$600,000	$2,400,000	$2,400,000	$1,560,000	$1,606,800	$1,655,004	$1,704,654	$11,926,458
Subtotal, Operating	$2,683,000	$1,573,000	$1,573,000	$2,173,000	$3,973,000	$3,543,648	$3,133,000	$3,179,800	$3,228,004	$3,277,654	$28,337,106
Total, Operating & Capital	$6,583,000	$6,573,000	$6,623,000	$7,048,000	$6,748,000	$7,743,648	$6,783,000	$7,279,800	$6,928,004	$5,577,654	$67,887,106

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PUBLIC TRANSIT

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Public Transit
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Transportation											
Public Transit											
Bus Shelters and Benches	0	270,000	0	0	600,000	0	0	0	0	0	870,000
DASH Bus Fleet Replacements	3,900,000	3,900,000	4,050,000	4,050,000	2,800,000	3,375,000	2,100,000	2,800,000	2,100,000	0	29,075,000
DASH Hybrid Bus and Trolley Battery Pack Replacement	150,000	250,000	300,000	350,000	350,000	400,000	500,000	550,000	450,000	450,000	3,750,000
DASH NEPP Implementation	0	0	0	450,000	750,000	0	0	0	0	0	1,200,000
DASH Real Time Bus Information System	0	0	0	0	0	0	0	0	0	0	0
King Street Metrorail Station Area Improvements	0	0	0	0	0	0	0	0	0	0	0
Landmark Transit Station	0	0	0	0	0	0	600,000	5,400,000	0	0	6,000,000
Potomac Yard Metrorail Station	270,000,000	0	0	0	0	0	0	0	0	0	270,000,000
South Eisenhower Metrorail Station - South Entrance	0	0	0	0	0	0	0	0	0	0	0
Van Dorn Metrorail Station Area Imprv.	1,500,000	800,000	0	0	0	0	0	0	0	0	2,300,000
WMATA Capital Contributions	1,750,000	7,500,000	14,300,000	13,900,000	15,900,000	11,500,000	11,500,000	11,500,000	11,500,000	11,500,000	110,850,000
Total	277,300,000	12,720,000	18,650,000	18,750,000	20,400,000	15,275,000	14,700,000	20,250,000	14,050,000	11,950,000	424,045,000

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South Eisenhower Metrorail Station – South Entrance

Document Subsection: Public Transit
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 50411788

Project Location: 2400 Eisenhower Ave. (Eisenhower Ave. Metro Station)
Reporting Area: Eisenhower East
Project Category: 2 – Renovations/Existing Assets
Estimated Useful Life: 30 years

South Eisenhower Metrorail Station - South Entrance													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	6,316,314	*6,316,314*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	42,000	*42,000*											0
State/Federal Grants (FTA)	5,924,314	*5,924,314*	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
Total Financing Plan	6,316,314	*6,316,314*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002	152,387
Cumulative Impact			0	15,000	30,450	46,364	62,754	79,637	97,026	114,937	133,385	152,387	152,387

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

In the spring of 2003, the City of Alexandria approved a small area plan which guides development in the area known as 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. The City has committed to making several improvements, including 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.

This project has been through an extensive planning process, which examined several alternatives to various aspects of the project. The design of the pedestrian plaza is now complete. The City, WMATA, and the developers finalized the Memorandum of Understanding (MOU), in late 2015, which will permit the project to move to the construction phase.

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, while improving transportation infrastructure for more efficient transit operations.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Ensure Alexandria supports, retains, and attracts businesses

External or Internal Adopted Plan or Recommendation

- Eisenhower East Small Area Plan approved by City Council, March 2003

Additional Operating Budget Impact

Maintenance of the pedestrian plaza is estimated to require $15,000 annually in FY 2018 dollars, increased by inflation thereafter.

King Street Metrorail Station Area Improvements

Document Subsection: Public Transit
Managing Department: Transportation & Environmental Services
Supporting Department(s): Planning & Zoning
ORG: 51411845

Project Location: 1900 King Street (King Street Metro)
Reporting Area: King Street Metro/Eisenhower Ave.
Project Category: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	11,695,878	*11,695,878*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
TIP - Cash	2,400,000	*2,400,000*	0	0	0	0	0	0	0	0	0	0	0
Reprogrammed TIP Cash	150,000	*150,000*	0	0	0	0	0	0	0	0	0	0	0
Reprogramemed TIP Bonds	1,225,000	*1,225,000*	0	0	0	0	0	0	0	0	0	0	0
Prior Year State/Federal Grants	5,595,878	*5,595,878*	0	0	0	0	0	0	0	0	0	0	0
Reprogrammed VDOT Funds	2,325,000	*2,325,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	11,695,878	*11,695,878*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	60,000	61,800	63,654	65,564	67,531	69,556	71,643	73,792	76,006	609,546
Cumulative Impact			0	60,000	121,800	185,454	251,018	318,548	388,105	459,748	533,540	609,546	609,546

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

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. Initiatives to be completed 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.

A 95% design plan has been developed. The project has been approved by the Transportation Commission, City Council, and Planning Commission. The project is currently going through the final design process.

Total project funding of $11.7 million includes $7.9 million in grant funding and $3.8 million in Transportation Improvement Program (TIP) 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Ensure Alexandria supports, retains, and attracts businesses

External or Internal Adopted Plan or Recommendation

- FY 2016 Budget Memo #11 – "Response to Council Questions" – *King Street Metrorail Station*
- King Street Metrorail Station Renovation approved by Transportation Commission March 2012, City Council March 2012, and the Planning Commission May 2012

Additional Operating Budget Impact

The City will take over the maintenance of the property to provide an enhanced level of service and will spend approximately $60,000 a year beginning in FY 2018, increased for inflation thereafter.

Potomac Yard Metrorail Station

Document Subsection: Public Transit
Managing Department: Transportation & Environmental Services
Supporting Department(s): Planning & Zoning, Dept. of Project Implementation
ORG: 50411784, 58412470

Project Location: North of Potomac Greens (exact location TBD)
Reporting Area: Potomac Yard/Potomac Greens/North Potomac Yard
Project Category: 3 – New Facilities
Estimated Useful Life: 40 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	285,864,325	*15,864,325*	270,000,000	0	0	0	0	0	0	0	0	0	270,000,000
Financing Plan													
PY Special Tax District Rev.	10,225,000	*10,225,000*	0	0	0	0	0	0	0	0	0	0	0
GO Bonds - Potomac Yard	154,000,000	*0*	154,000,000	0	0	0	0	0	0	0	0	0	154,000,000
VTIB State Loan	50,000,000	*0*	50,000,000	0	0	0	0	0	0	0	0	0	50,000,000
NVTA 70%	69,500,000	*3,500,000*	66,000,000	0	0	0	0	0	0	0	0	0	66,000,000
State Grants	1,000,000	*1,000,000*	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	285,864,325	*15,864,325*	270,000,000	0	0	0	0	0	0	0	0	0	270,000,000
Additional Operating Impact													
Annual Impact			0	0	0	695,000	1,410,850	1,453,176	1,496,771	1,541,674	1,587,924	1,635,562	9,820,956
Cumulative Impact			0	0	0	695,000	2,105,850	3,559,026	5,055,796	6,597,470	8,185,394	9,820,956	9,820,956

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. At this time, the station is in the Environmental Impact Statement (EIS) phase. In December 2010, City Council approved the Tier I Special Services Tax District for Land Bay F, G, and H and the multi-family portion of Land Bay I. 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 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.

The City of Alexandria is the project sponsor of the Environmental Impact Statement (EIS) managed by WMATA. WMATA's process includes technical and environmental analyses as well as public involvement. Project development is 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. The Final EIS is expected to be completed in the second quarter of 2016, followed by the Federal Transit Administration and National Park Service Records of Decision. Alternative B has been estimated to cost $268.0 million, including the current planning phase, preliminary engineering, and preparation of the design-build bid package.

(Continued on next page)

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Livable, Green, and Prospering City

- Increase the value of the real estate tax base
- Ensure Alexandria supports, retains, and attracts businesses
- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Improve the City's air quality

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

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 Budget Impact

(See next page)

Project Description and Justification (Continued)

The City prepared an updated financial feasibility analysis in spring 2015 that evaluated the city's ability to finance the station using only local shares. The sources included net new tax revenues from Potomac Yard, Special Services Tax Districts, developer contributions, $69.5 million from the Northern Virginia Transportation Authority ($3.5 million of which has been secured), and a $50 million Virginia Transportation Infrastructure Bank (VTIB) loan that was awarded to the City by the Commonwealth Transportation Board in January 2015. The analysis showed that Alternative B is financially feasible. In addition to the sources included in the financial feasibility analysis, the City has applied for a $50 million grant through the Federal TIGER program, and is planning a Federal Transportation Infrastructure Finance and Innovation Act (TIFIA) low-interest loan for up to 33% of eligible project costs.

The financial risk to the City will be carefully structured and managed. The projected "gap" between the anticipated tax revenues from the special tax district, per square foot developer contributions, plus additional incremental net new revenues generated by the project, will need to be "bridged" in the early years of the City bond and VTIB State loan financing by capitalizing interest during construction. The actual decision on when to authorize the issuance of City bonds for the station's construction would be made based on factors such as the to-be-determined station cost, outside funding sources, interest rates, as well as development progress in Potomac Yard which needs to generate substantial new tax revenues to cover debt service.

Debt service payments would be funded through developer contributions, net new tax revenues generated in Potomac Yard, and Potomac Yard Special Services Tax District levies. There will be no impact to the City's General Fund.

The financing plan depicted on the prior page assumes the City will be successful in obtaining NVTA 70% funding. If NVTA funding is not obtained, or is less than $69.5 million, then the General Obligation Bond amount would likely need to be increased.

Additional Operating Impact

A new Metrorail station will increase the City's operating subsidy to WMATA by approximately $1.4 million per year. FY 2020 includes only one-half year of operating costs. Additionally, maintenance costs associated with City maintained infrastructure will need to be determined once the final design is completed.

WMATA Capital Contributions

Document Subsection: Public Transit
Managing Department: Transportation & Environmental Services
Supporting Department(s): Office of Management & Budget
ORG: 50021773

Project Location: Regional
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	214,849,579	*103,999,579*	1,750,000	7,500,000	14,300,000	13,900,000	15,900,000	11,500,000	11,500,000	11,500,000	11,500,000	11,500,000	110,850,000
Financing Plan													
Prior City Funding	93,189,579	*93,189,579*											0
GO Bonds	96,750,000	*6,250,000*	0	5,000,000	12,550,000	11,900,000	14,150,000	9,750,000	9,250,000	9,500,000	9,200,000	9,200,000	90,500,000
NVTA 30%	19,000,000	*3,100,000*	650,000	1,750,000	1,000,000	1,500,000	650,000	1,500,000	2,250,000	2,000,000	2,300,000	2,300,000	15,900,000
TIP - Cash	4,450,000	*0*	1,100,000	750,000	750,000	500,000	1,100,000	250,000	0	0	0	0	4,450,000
Reprogrammed TIP Bonds	1,460,000	*1,460,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	214,849,579	*103,999,579*	1,750,000	7,500,000	14,300,000	13,900,000	15,900,000	11,500,000	11,500,000	11,500,000	11,500,000	11,500,000	110,850,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Savings in the City's FY 2016 Capital Contribution allows the City to fund a large portion of the FY 2017 contribution with balances previously appropriated for WMATA. Outyears are based of the WMATA Proposed CIP, but are likelty to change depending on the completion of a new Capital Funding Agreement (CFA) between WMATA and participating jurisdictions.

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).

The capital funding agreement signed by participating jurisdictions in July 2010 is set to expire on July 1, 2016. The current capital funding agreement will be extended for an additional year to June 30, 2017, and a new agreement is being negotiated. Without a new CFA in place, it is difficult for the City's CIP to accurately forecast future capital contributions to WMATA.

From FY 2017 – 2022, the City of Alexandria's proposed share of WMATA's Proposed CIP totals $55.7 million to maintain base infrastructure. Additionally the FY 2017 WMATA contribution includes approximately $850,000 for the City's share of debt service toward a planned WMATA debt issuance of $287.7 million. The FY 2017 WMATA contribution totals $9.35 million.

Due to a lower than budgeted WMATA Capital contribution for FY 2016, the City was able to leverage prior year appropriations to fund portions of the FY 2017 WMATA capital contribution:

- $2.6 million in prior year GO bonds already appropriated for WMATA
- $1.0 million in close out balances from WMATA projects in Alexandria facilities
- $4.0 million in current year NVTC funding
- $1.1 million in current year TIP (cash) funding
- $650,000 in NVTA 30% funds

(Continued on the next page)

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase the value of the real estate tax base
- Ensure Alexandria supports, retains, and attracts businesses
- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieve results the community values
- Ensure the fiscal strength of the government

External or Internal Adopted Plan or Recommendation

- FY 2016 WMATA Proposed Capital Improvement Program (CIP) – December 2014

Additional Operating Budget Impact

Operating budget costs have been captured in the operating budget for many years, and the City's General Fund will support $6.9 million of the total $33.6 million City subsidy in FY 2017. NVTA 30% funding of $2.6 million will be utilized to support Metroway operations, and City funding available through NVTC will fund the balance of the total City subsidy.

WMATA Capital Contributions (Continued)

Proposed funding FY 2018 – FY 2026 approximately matches what was approved in the FY 2016 – FY 2025 Approve CIP. In the Proposed CIP, City resources including NVTA 30% funding are anticipated to fund over $15.9 million of the ten-year total to support these capital infrastructure improvements. The City will also utilize NVTC funding ($40.0 million over 10 years) and anticipates the State contributing $45 million to $50 million over the 10 years. When all funding sources are added together, the City's share of WMATA capital infrastructure improvements may total over $200 million.

Van Dorn Metrorail Station Area Improvements

Document Subsection: Public Transit
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: 5690 Eisenhower Ave.
Reporting Area: Eisenhower West
Project Category: 2 – Renovations/Existing Assets
Estimated Useful Life: 30 years

Van Dorn 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,300,000	*0*	1,500,000	800,000	0	0	0	0	0	0	0	0	2,300,000
Financing Plan													
Reprogrammed TIP Bonds	750,000	*0*	750,000	0	0	0	0	0	0	0	0	0	750,000
Reprogrammed TIP Cash	325,000	*0*	325,000	0	0	0	0	0	0	0	0	0	325,000
CMAQ/RSTP	1,225,000	*0*	425,000	800,000	0	0	0	0	0	0	0	0	1,225,000
Total Financing Plan	2,300,000	*0*	1,500,000	800,000	0	0	0	0	0	0	0	0	2,300,000
Additional Operating Impact													
Annual Impact			0	0	3,000	3,090	3,183	3,278	3,377	3,478	3,582	3,690	26,677
Cumulative Impact			0	0	3,000	6,090	9,273	12,551	15,927	19,405	22,987	26,677	26,677

Changes from Prior Year CIP: Funding increased slightly in FY 2018, otherwise no changes from prior CIP.

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 Metro 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. In addition, the bus loading area will be reconfigured to accommodate the Van Dorn-Beauregard transitway service.

Funding begins in FY 2017 with $1.5 million in reprogrammed TIP bonds/cash and CMAP/RSTP funds and $800,000 in FY2018 from CMAQ/RSTP funds. Planning and design is scheduled to begin in FY 2017 with construction commencing in FY 2018.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Ensure Alexandria supports, retains, and attracts businesses

External or Internal Adopted Plan or Recommendation

- WMATA Van Dorn Metro Study, October 2013

Additional Operating Budget Impact

This improvement will only slightly increase the cost of maintaining this facility by adding one shelter to the bus loop, requiring about two hours per week of additional maintenance. The total estimated additional operating impact is $3,000.

Bus Shelters and Benches

Document Subsection: Public Transit
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 50411781

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	4,308,973	*3,438,973*	0	270,000	0	0	600,000	0	0	0	0	0	870,000
Financing Plan													
Prior Year City Funds	435,223	*435,223*	0	0	0	0	0	0	0	0	0	0	0
NVTA 30%	1,100,000	*1,100,000*	0	0	0	0	0	0	0	0	0	0	0
NVTA 70%	450,000	*450,000*	0	0	0	0	0	0	0	0	0	0	0
Prior Year State/Federal Grants	1,413,750	*1,413,750*	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
CMAQ/RSTP	870,000	*0*	0	270,000	0	0	600,000	0	0	0	0	0	870,000
Total Financing Plan	4,308,973	*3,438,973*	0	270,000	0	0	600,000	0	0	0	0	0	870,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

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 DASH, Metrobus, and Fairfax Connector services. This project also funds improvements at existing and new bus stops that bring the stops into compliance with ADA standards.

The project also includes funding for real-time information signs at key, high-ridership shelters throughout the City. Real-time information has been shown to increase ridership by 2-5% and the increase in passenger fare revenue is likely to exceed the cost of enhancing the capital infrastructure. The project is primarily funded by federal and state grant funding that covers the manufacture and installation of the bus shelters, as well as the necessary concrete pad. The City is in the process of issuing an ITB for the construction of bus shelters. The City plans to replace up to 37 WMATA-owned shelters between FY2016-FY2018. The City plans to begin replacing older modeled City-owned bus shelters beginning in FY 2018.

Once all the shelters have been completed, they will offer an enhanced environment for passengers and new technology may be able to attract new riders to emerging commercial districts. 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.

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City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Improve the City's air quality

Focus Area: Safe, Secure, & Just Community

- Ensure all community members are treated justly and protected under the law

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

In FY 2015, an additional $40,000 from TIP funding was added to the $100,000 previously budgeted for bus shelter and bench maintenance to account for the installation of new facilities. These costs are now included as part of the operating budget, thus there is no additional impact for FY 2017 and beyond.

DASH Bus Fleet Replacements

Document Subsection: Public Transit
Managing Department: Transportation & Environmental Services
Supporting Department(s): Alexandria Transit Company (ATC)
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: 12 years

DASH Bus Fleet Replacements (Since FY 2015)

	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	37,535,000	*8,460,000*	3,900,000	3,900,000	4,050,000	4,050,000	2,800,000	3,375,000	2,100,000	2,800,000	2,100,000	0	29,075,000
Financing Plan													
General Obligation Bonds	4,925,000	*0*	150,000	650,000	0	675,000	675,000	675,000	700,000	700,000	700,000	0	4,925,000
Prior Year/Close-Out	500,000	*0*	500,000	0	0	0	0	0	0	0	0	0	500,000
Reprogrammed TIP Bonds	660,000	*660,000*	0	0	0	0	0	0	0	0	0	0	0
NVTA 30%	31,450,000	*7,800,000*	3,250,000	3,250,000	4,050,000	3,375,000	2,125,000	2,700,000	1,400,000	2,100,000	1,400,000	0	23,650,000
Total Financing Plan	37,535,000	*8,460,000*	3,900,000	3,900,000	4,050,000	4,050,000	2,800,000	3,375,000	2,100,000	2,800,000	2,100,000	0	29,075,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			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 replacement of buses in the DASH fleet. DASH develops an annual Transportation Development Program which indicates the number of buses that need to be replaced due to aging vehicles in the fleet. The vehicles currently have a 12-year lifespan.

The current City policy utilizes replacement funds to purchase new hybrid buses ($700,000). If clean diesel buses are purchased, they will still be consistent with the City Eco-City Action plan of reducing vehicle emissions.

Benefits of this project include ensuring fleet needs are being met to provide for a sustainable transit option for City residents, workers, and visitors. Newer vehicles also have fewer emissions than the older vehicles they are replacing.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Improve the City's air quality

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the government

External or Internal Adopted Plan or Recommendation

- 2008 Transit Performance and Service Expansion Plan (DASH and City)

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated. The City's General Fund has supported DASH operations for many years, with $11.09 million budgeted in FY 2017.

Hybrid Bus and Trolley Battery Pack Replacement

Document Subsection: Public Transit
Managing Department: Transportation & Environmental Services
Supporting Department(s): Alexandria Transit Company (ATC)
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: 5 years

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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	3,950,000	*200,000*	150,000	250,000	300,000	350,000	350,000	400,000	500,000	550,000	450,000	450,000	3,750,000
Financing Plan													
Cash Capital	3,950,000	*200,000*	150,000	250,000	300,000	350,000	350,000	400,000	500,000	550,000	450,000	450,000	3,750,000
Total Financing Plan	3,950,000	*200,000*	150,000	250,000	300,000	350,000	350,000	400,000	500,000	550,000	450,000	450,000	3,750,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0
Changes from Prior Year CIP: Funding added in FY 2026. No other changes from prior year CIP.													

Project Description & Justification

In FY 2010, the City began purchasing buses and trolleys with hybrid technology instead of clean diesel vehicles. The hybrid vehicles produce fewer emissions, get better fuel economy, and are quieter than conventional diesel buses. The hybrid vehicle battery packs must be replaced every five to seven years. The packs cost approximately $50,000. The first hybrid vehicles were delivered in calendar year 2011, with battery replacement anticipated approximately every 5 years.

This project is tied to the DASH bus and trolley purchase projects. Replacement schedule for the hybrid battery packs may be modified as necessary, based on the actual vehicle purchase schedule.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green and Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

DASH Real Time Bus Information

Document Subsection: Public Transit
Managing Department: Alexandria Transit Company (ATC)
Supporting Department(s): Transportation & Environmental Services
ORG: 50412212

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: 5 years

DASH Real Time Bus Information System													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,273,000	*1,273,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior Year Grants	1,076,400	*1,076,400*											0
TIP - Cash	196,600	*196,600*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,273,000	*1,273,000*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239	573,194
Cumulative Impact			50,000	51,500	104,545	159,181	215,457	273,420	333,123	394,617	457,955	523,194	523,194

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

Alexandria Transit Company (ATC) has been planning for a real-time information system for a number of years. Real-time information will provide DASH riders with accurate information as to the location of their bus and the time that the bus is expected to arrive at a stop. Real-time information is becoming a standard amenity of bus systems around the country. Rider surveys and reports show a significant increase in customer satisfaction, convenience, and a two to five percent increase in ridership after real-time information systems are deployed. The technology takes into account the actual position of the transit vehicles using GPS, as well as typical traffic patterns, to estimate bus arrivals. Customers can access the real-time information through Web and mobile applications. This greatly improves the reliability and convenience of the service from the public's perspective.

Real-time information systems also improve the efficiency and effectiveness of daily operations and scheduling.

In May 2013, the City of Alexandria entered into a Project Administration Agreement with the Virginia Department of Transportation for the purchase of a Real Time Bus Information System, also known as automated vehicle location (AVL), for Alexandria's local DASH bus system.

WMATA uses the Clever Devices system to power the NextBus system and is currently expanding Clever's technology role regionally. The Clever system is much more robust and has regional interface capabilities that are not available with the NextBus system. Fairfax County Connector and Loudon County Transit have both recently awarded contracts to Clever for their real time systems. ATC has determined that the Clever system will provide DASH with the regional interface capabilities being planned for the near future. Clever Devices system provides opportunities as funding becomes available to add modules such as, Computer Added Dispatch (CAD), Garage Mapping, Bus Health, and Automated Passenger Counters (APCs), which can significantly enhance operational efficiency and effectiveness. These modules will provide critical tools and data to assist with planning, operations, and maintenance.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green and Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional $50,000 annually is planned beginning in FY 2017 for preventative maintenance, hardware, and out of warranty costs that will be attributed to the system. DASH operations subsidy will need to account for this in its budgeting process.

DASH New Electronic Payment Program (NEPP)

Document Subsection: Public Transit
Managing Department: Alexandria Transit Company (ATC)
Supporting Department(s): Transportation & Environmental Services
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: 5 years

DASH NEPP Implementation													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	750,000	*0*	0	0	0	0	750,000	0	0	0	0	0	750,000
Financing Plan													
CMAQ/RSTP	1,200,000	*0*	0	0	0	450,000	750,000	0	0	0	0	0	1,200,000
Total Financing Plan	1,200,000	*0*	0	0	0	450,000	750,000	0	0	0	0	0	1,200,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			0	0	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: No changes from prior CIP.

Project Description & Justification

Over the next several years, WMATA will upgrade to a new fare payment system called the New Electronic Payment Program (NEPP). This project will fund the upgrade of DASH's fare collection equipment to integrate it with the new regional fare system.

NEPP will provide a substantially greater degree of flexibility to introduce innovative concepts and features to its patrons. This includes, but is not limited to, the acceptance of new forms of payment, increased variety and types of media that can be processed, improved methods of communication and customer services, and more rapid integration of emerging technologies.

Through NEPP, opportunities exist for fare payments and fare media by interfacing with the financial and wireless industries to accept a variety of contactless, open standard, fare payment media. The NEPP shall be "form-factor agnostic," accepting all forms of compliant media, including, but not limited to:

- Credit card-sized media;
- Key-fobs;
- Watches;
- Mobile phones; and
- Adhesive labels.

WMATA and its regional partners' overarching goal and main motivation for the NEPP procurement is to achieve a cost effective, innovative, seamless/open payment electronic system for the entire region's transit providers. NEPP will include fare collection, processing payments, reporting and more.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green and Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Operational cost will be determined after the installation of the system implementation. Hardware and software cost will be associated with the integration of the system and added to the warranty and contingency cost of the project.

Landmark Transit Station

Document Subsection: Public Transit
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: TBD

Project Location: Landmark Mall Site (exact location TBD)
Reporting Area: Landmark/Van Dorn
Project Category: 3 – New Facilities
Estimated Useful Life: 30 years

Landmark Transit Station													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	6,000,000	*0*	0	0	0	0	0	0	600,000	5,400,000	0	0	6,000,000
Financing Plan													
NVTA - 70%	6,000,000	*0*	0	0	0	0	0	0	600,000	5,400,000	0	0	6,000,000
Total Financing Plan	6,000,000	*0*	0	0	0	0	0	0	600,000	5,400,000	0	0	6,000,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	50,000	51,500	101,500
Cumulative Impact			0	0	0	0	0	0	0	0	50,000	101,500	101,500

Changes from Prior Year CIP: No changes from prior year CIP.

Project Description & Justification

This project provides funding for initial planning and design for a transit station at the redeveloped Landmark site. Ultimately, this project will construct an intermodal transit station at or near the intersection of Transitway Corridors "B" and "C" in the vicinity of Landmark Mall. The Landmark Transit Center will be a transfer center and transit hub for high capacity transit vehicles, local bus service and shuttles to the Metro. The transit center is expected to have real time transit information, bus stations; climate controlled waiting facilities, transit information and media fare, bicycle parking and other commuter amenities.

The total cost of the project is estimated at $6.0 million, planned to be funded entirely with NVTA 70% funds, due to the regional nature of the project.

Once completed, this project will improve multimodal access to transit, while providing more efficient mass transit options in the redeveloped area.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Ensure Alexandria supports, retains, and attracts businesses

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- Landmark/Van Dorn Corridor Plan approved by City Council, February 2009
- Transitway Corridors Feasibility Study, completed October 2012

Additional Operating Budget Impact

Once the station construction is complete, there will be operational cost associated with the maintenance of the facility. The cost could range from $30,000 to $50,000 annually for routine and preventative maintenance.

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HIGH CAPACITY TRANSIT CORRIDORS

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High Capacity Transit Corridors
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Transportation											
High Capacity Transit Corridors											
Route 1 Transitway - Metroway Construction	0	0	500,000	0	0	0	0	0	0	0	500,000
Route 1 Transitway (NEPP)	0	0	500,000	500,000	500,000	0	0	0	0	0	1,500,000
Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	0	0	0	210,000	0	2,100,000	2,000,000	15,000,000	0	0	19,310,000
Transit Corridor "C" - West End Transitway	7,000,000	40,000,000	40,000,000	23,400,000	2,600,000	12,100,000	12,500,000	0	0	0	137,600,000
Transit Corridor "C" - Transit Priority	0	0	0	0	0	0	0	0	0	0	0
Total	7,000,000	40,000,000	41,000,000	24,110,000	3,100,000	14,200,000	14,500,000	15,000,000	0	0	158,910,000

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Route 1 Transitway – Metroway Construction

Document Subsection: High Capacity Transit Corridors
Managing Department: Dept. of Project Implementation
Supporting Department(s): Transportation and Environmental Services
ORG: 50412095 (Primary ORG)

Project Location: Route 1 between Braddock Rd. and Four Mile Run
Reporting Area: Potomac Yard/Potomac Greens
Project Category: 3 – New Facilities
Estimated Useful Life: 30 years

Route 1 Transitway - Metroway Construction													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	22,083,696	*21,583,696*	0	0	500,000	0	0	0	0	0	0	0	500,000
Financing Plan													
General Obligation Bonds - TIP	1,325,000	*1,325,000*	0	0	0	0	0	0	0	0	0	0	0
Cash Capital - TIP	3,875,000	*3,875,000*	0	0	0	0	0	0	0	0	0	0	0
Stormwater Management Tax	250,000	*250,000*	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	585,000	*85,000*	0	0	500,000	0	0	0	0	0	0	0	500,000
NVTA 70%	600,000	*600,000*	0	0	0	0	0	0	0	0	0	0	0
CMAQ/RSTP	4,211,558	*4,211,558*	0	0	0	0	0	0	0	0	0	0	0
TIGER Grant	8,500,000	*8,500,000*	0	0	0	0	0	0	0	0	0	0	0
Section 5309	1,247,138	*1,247,138*	0	0	0	0	0	0	0	0	0	0	0
New Starts	1,490,000	*1,490,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	22,083,696	*21,583,696*	0	0	500,000	0	0	0	0	0	0	0	500,000
Additional Operating Impact													
Annual Impact			(317,000)	(326,510)	(336,305)	(346,394)	(356,786)	(367,490)	(378,515)	(389,870)	(401,566)	(413,613)	(3,634,050)
Cumulative Impact			(317,000)	(643,510)	(979,815)	(1,326,210)	(1,682,996)	(2,050,486)	(2,429,001)	(2,818,871)	(3,220,437)	(3,634,050)	(3,634,050)

Changes from Prior Year CIP: Funding added in FY 2019 to accommodate intermodel connection with Potomac Yard Metrorail station.

Project Description & Justification

The Route 1 Transitway is the first segment of a 5-mile high capacity transit corridor connecting the Pentagon City and Braddock Road Metrorail stations. The initial segment of the corridor was completed in the summer of 2014. The project is 0.8 miles along Route 1 between Potomac Avenue and East Glebe Road. While the project ultimately calls for dedicated lanes for transit along the majority of the Crystal City/Potomac Yard corridor, in the interim, vehicles will operate in mixed traffic between East Glebe and Four Mile Run and between Potomac Avenue and the Braddock Road Metrorail station.

As part of their development obligations, the Potomac Yard Development widened Route 1 to add new northbound lanes. The transitway was constructed in the new median (former northbound lanes). Premium branded vehicles operate in the exclusive right-of-way along this segment. Other project elements include: enhanced shelters, transit signal priority, and real-time information signage.

Of the total $22.1 million project budget – which includes purchase of vehicles - $16.1 million is funded through State and Federal grants, $5.2 million from the Transportation Improvement Program (TIP), $500,000 through developer contributions and $250,000 from stormwater management funds to implement best management practices.

The transitway provides residents, workers, and visitors with a fast, convenient, and comfortable connection to the regional Metrorail network, Potomac Yard development, and key employment nodes. Improved lighting and enhanced pedestrian crosswalks across Route 1 will also provide for safer non-motorized travel in the corridor.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase the value of the real estate tax base
- Ensure Alexandria supports, retains, and attracts businesses
- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Improve the City's air quality

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Achieve results the community values

External or Internal Adopted Plan or Recommendation

- Route 1 Transitway Recommendation approved by City Council, June 2007

Additional Operating Budget Impact

Operating impacts were included in the FY 2015 and FY 2016 operating budgets. All operating impacts are funded through NVTA 30% funding. Through FY 2016, the route is considered a local route. Beginning in FY 2017, the route is expected to be converted to a regional route with costs shared by other WMATA Compact jurisdictions. The table above shows savings from conversion to a regional route in FY 2017.

Route 1 Metroway - NEPP

Document Subsection: High Capacity Transit Corridors
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Route 1 between Braddock Rd. and Four Mile Run
Reporting Area: Potomac Yard/Potomac Greens
Project Category: 3 – New Facilities
Estimated Useful Life: Varies

Route 1 Transitway (NEPP)													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,500,000	*0*	0	0	500,000	500,000	500,000	0	0	0	0	0	1,500,000
Financing Plan													
CMAQ/RSTP	1,500,000	*0*	0	0	500,000	500,000	500,000	0	0	0	0	0	1,500,000
Total Financing Plan	1,500,000	*0*	0	0	500,000	500,000	500,000	0	0	0	0	0	1,500,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			0	0	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: No changes from prior year CIP.

Project Description & Justification

The New Electronic Payments Program (NEPP) is a regional fare collection system to replace the existing technology (SmartTrip). NEPP is an essential technology to aid in the implementation of off-board fare collection along the Route 1 Metroway. This project will fund the procurement of the off board fare collection hardware and software.

NEPP will provide a substantially greater degree of flexibility to introduce innovative concepts and features to its patrons. This includes, but is not limited to, the acceptance of new forms of payment, increased variety and types of media that can be processed, improved methods of communication and customer services, and more rapid integration of emerging technologies.

Through NEPP, opportunities exist for fare payments and fare media by interfacing with the financial and wireless industries to accept a variety of contactless, open standard, fare payment media. The NEPP shall be "form-factor agnostic," accepting all forms of compliant media, including, but not limited to:

- Credit card-sized media;
- Key-fobs;
- Watches;
- Mobile phones; and
- Adhesive labels.

WMATA and its regional partners' overarching goal and main motivation for the NEPP procurement is to achieve a cost effective, innovative, seamless/open payment electronic system for the entire region's transit providers. NEPP will include fare collection, processing payments, reporting and more.

CMAQ/RSTP funding is planned for this project beginning in FY 2019.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase the value of the real estate tax base
- Ensure Alexandria supports, retains, and attracts businesses
- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Improve the City's air quality

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- Alexandria/Arlington Amended Route 1 Corridor Streetcar Conversion Project approved by City Council, June 2012
- WMATA Momentum

Additional Operating Budget Impact

Operational cost will be determined after the installation of the system implementation. Hardware and software cost will be associated with the integration of the system and added to the warranty and contingency cost of the project.

Transit Corridor "C" Transit Priority

Document Subsection: High Capacity Transit Corridors
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 50412093

Project Location: Van Dorn/Beauregard Corridor
Reporting Area: Landmark Van Dorn/Beauregard Small Area Plan
Project Category: 3 – New Facilities
Estimated Useful Life: 10 years

Transit Corridor "C" Transit Priority													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	670,000	*670,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
TIGER Grant	670,000	*670,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	670,000	*670,000*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP.

Project Description & Justification

This project is fully funded with a Transportation Investment Generating Economic Recovery (TIGER) federal grant and will install transit priority equipment at key intersections along Van Dorn Street and Beauregard Street. Transit priority is an important element to an efficient running transit network by allowing transit vehicles to maintain their operational schedule. This is part of a region wide-project, with jurisdictions from Washington D.C., Virginia, and Maryland participating.

The Washington Metropolitan Transit Agency (WMATA) was negotiating a contract to supply equipment that will allow WMATA's fleet of buses to operate seamlessly between jurisdictions. These negotiations have been terminated because of a number of technical problems. WMATA is considering options and will most likely adjust the scope and rebid the contract. Once the equipment is in place, DASH can also purchase equipment for their fleet of buses that will allow them to integrate into the system.

Once completed, this project will support a multimodal transportation network that supports sustainable land use and provides internal mobility and regional connectivity for Alexandrians.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Transit Corridor "C" – West End Transitway

Document Subsection: High Capacity Transit Corridors
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 50412093

Project Location: Van Dorn/Beauregard Corridor
Reporting Area: Landmark Van Dorn/Beauregard Small Area Plan
Project Category: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	143,000,000	*5,400,000*	7,000,000	40,000,000	40,000,000	23,400,000	2,600,000	12,100,000	12,500,000	0	0	0	137,600,000
Financing Plan													
TIP - Cash	2,100,000	*2,100,000*	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	51,560,000	*900,000*	0	20,000,000	20,000,000	10,660,000	0	0	0	0	0	0	50,660,000
NVTA - 70%	62,140,000	*2,400,000*	7,000,000	20,000,000	20,000,000	12,740,000	0	0	0	0	0	0	59,740,000
Private Capital Contributions	27,200,000	*0*	0	0	0	0	2,600,000	12,100,000	12,500,000	0	0	0	27,200,000
Total Financing Plan	143,000,000	*5,400,000*	7,000,000	40,000,000	40,000,000	23,400,000	2,600,000	12,100,000	12,500,000	0	0	0	137,600,000
Additional Operating Impact													
Annual Impact			0	0	0	600,000	2,400,000	2,400,000	1,560,000	1,606,800	1,655,004	1,704,654	11,926,458
Cumulative Impact			0	0	0	600,000	3,000,000	5,400,000	6,960,000	8,566,800	10,221,804	11,926,458	11,926,458

Changes from Prior Year CIP: Total funding increased to reflect anticipated State/Federal grants that will be be necessary complete current scope of project. Inability to acquire these grants would require an additional funding source to be identified or a rescoping of the project.

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.

A preliminary cost estimate was developed during the Transitway Corridors Feasibility Study; the cost estimate is approximately $143 million which includes design, right-of-way acquisition, utility relocation, construction, and rolling stock. To the extent right-of-way is donated, project costs may be reduced. Ongoing work conducted throughout the alternatives analysis and environmental assessment process will result in a further refined cost estimate.

NVTA 70% and private capital contributions are the primary sources of funding identified to date. The NVTA 70% funding 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.

If all funding is secured, construction is estimated to begin in FY 2018 or FY 2019. Without these substantial Federal funds and development contributions, construction will be unable to commence, or will have to be phased.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase the value of the real estate tax base
- Ensure Alexandria supports, retains, and attracts businesses
- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Improve the City's air quality

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Achieve results the community values

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- Landmark/Van Dorn Corridor Plan approved by City Council, February 2009
- High Capacity Transitway Corridor Work Group recommendations approved by City Council, May 2012
- Beauregard Small Area Plan adopted June 2012

Additional Operating Budget Impact – Next Page

Transit Corridor "C" – Beauregard (Continued)

Additional Operating Impact

All additional operating impact will be funded through NVTA 30% funding. The current estimate for the annual operating costs for a full year when service is implemented is $2.4 million when the route is considered local. Beginning in FY 2023, the route is expected to be converted to a regional route with costs to be shared with other WMATA Compact jurisdictions. This will reduce the City's share of operating costs to an estimated $1.56 million annually. All cost estimates include transitway station maintenance which will be performed by the City. FY 2020 operating costs are based on approximately one-quarter of a year of operating costs.

Transit Corridor "B" – Duke Street

Document Subsection: High Capacity Transit Corridors
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Duke St. between City Limits and King St. Metro
Reporting Area: Van Dorn/Beauregard
Project Category: 3 – New Facilities
Estimated Useful Life: 30 years

Transit Corridor "B" - Duke Street (Incl. Duke Street Complete Streets)													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	19,560,000	*250,000*	0	0	0	210,000	0	2,100,000	2,000,000	15,000,000	0	0	19,310,000
Financing Plan													
NVTA - 70%	19,560,000	*250,000*	0	0	0	210,000	0	2,100,000	2,000,000	15,000,000	0	0	19,310,000
Total Financing Plan	19,560,000	*250,000*	0	0	0	210,000	0	2,100,000	2,000,000	15,000,000	0	0	19,310,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes to prior year 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.

The project description has been modified to remove the Duke Street Complete Streets Project. The removal of the Duke Street Complete Street Project is due to the implementation of additional lanes, which will be added as a condition of Corridor B- Duke Street Transitway.

Based on a refined concept design for the project, the current cost estimate is $100.0 million which includes design, right-of-way acquisition, utility relocation, construction, and rolling stock. NVTA 70% funding is applied to this project in FY 2020 to begin preliminary design and feasibility work and in FY 2022 - 2024 to continue further design and engineering work. Significant private (development) capital contributions and 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 East and Landmark/Van Dorn Small Area Plans, while increasing transit options for locally oriented and through trips emphasizing interjurisdictional coordination.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase the value of the real estate tax base
- Ensure Alexandria supports, retains, and attracts businesses
- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Improve the City's air quality

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Achieve results the community values

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- High Capacity Transitway Corridor Work Group recommendations approved by City Council, May 2012

Additional Operating Budget Impact

Unknown at this time. Additional operating impacts are not expected in the current 10-year Capital Improvement Program.

NON-MOTORIZED TRANSPORTATION

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Non-Motorized Transportation
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Transportation											
Non-Motorized Transportation											
Backlick Run Multi-Use Paths	0	0	200,000	1,918,000	0	0	0	0	0	0	2,118,000
Bicycle Parking at Metro Stations	350,000	0	0	0	0	0	0	0	0	0	350,000
BRAC 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	675,000	699,313	368,174	402,000	350,000	0	0	0	0	0	2,494,487
Complete Streets	830,000	830,000	1,170,000	830,000	830,000	830,000	830,000	830,000	830,000	830,000	8,640,000
Edsall and South Pickett Pedestrian Imprv.	0	0	0	0	0	0	0	0	0	0	0
Holmes Run Greenway	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	0	2,095,000	6,000,000	0	0	0	0	0	0	0	8,095,000
Safe Routes to Schools	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	300,000	1,500,000
Sidewalk Capital Maintenance	950,000	300,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	0	4,550,000
Transportation Master Plan Update	0	500,000	0	0	0	0	0	0	0	0	500,000
Van Dorn/Beauregard Bicycle Facilities	0	0	250,000	1,171,000	0	0	0	0	0	0	1,421,000
Wilkes Street Bikeway	0	0	0	0	0	0	0	0	0	0	0
Pedestrian & Bicycle Master Plan Update	0	0	0	0	0	0	0	0	0	0	0
Total	2,805,000	4,724,313	8,588,174	4,921,000	1,780,000	1,430,000	1,430,000	1,430,000	1,430,000	1,130,000	29,668,487

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Edsall and South Pickett Street Pedestrian Improvements

Document Subsection: Non-Motorized Transportation
Managing Department: Dept. of Project Implementation
Supporting Department(s): Transportation & Environmental Services
ORG: 51412094

Project Location: Intersection of Edsall Rd & S. Pickett St.
Reporting Area: Landmark/Van Dorn
Project Category: 2 – Renovations/Existing Assets
Estimated Useful Life: 25 years

Edsall and South Pickett Pedestrian Imprv.													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	445,000	*445,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
State/Federal Grants	120,000	*120,000*	0	0	0	0	0	0	0	0	0	0	0
Reprogrammed VDOT Funds	325,000	*325,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	445,000	*445,000*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project will provide pedestrian connectivity and safety improvements to the intersection of Edsall Road and South Pickett Street.

The approved improvements will include new crosswalks, median island improvements, turning radius improvements, sidewalk improvements and new curb ramps. Crashes with pedestrians have occurred at this intersection which is proximate to the Samuel Tucker Elementary School.

This project began in 2012, and design is complete. The project is funded by $120,000 in State/Federal Grants. An expanded scope based on VDOT comments will require $325,000 of additional VDOT grant funds to be transferred to this project.

Improved pedestrian facilities are necessary in supporting a multi-modal environment, and providing local and regional connectivity. Improving these facilities also addresses the need for improved safety for pedestrians, and safe access to transit and other facilities.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

Required annual maintenance will be included as part of the Complete Streets annual operating budget.

Wilkes Street Bikeway

Document Subsection: Non-Motorized Transportation
Managing Department: Dept. of Project Implementation
Supporting Department(s): Transportation & Environmental Services
ORG: 51412096

Project Location: Wilkes Street
Reporting Area: Old Town, Southwest Quadrant
Project Category: 2- Renovations/Existing Assets
Estimated Useful Life: 20 years

Wilkes Street Bikeway													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	180,000	*180,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
State/Federal Grants	180,000	*180,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	180,000	*180,000*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project involves bicycle improvements to Wilkes Street which provides an on-road east-west bikeway connection between major shared-use paths in the City.

The project includes signalization improvements, bicycle intersection safety features, wayfinding signage, curb ramp improvements, and crosswalk markings.

This project began in 2012, and the project is complete pending final payment. This project was fully funded with CMAQ/RSTP funds and required no City match.

Improved bicycle facilities are necessary in supporting a multi-modal environment, providing local and regional connectivity, providing a safer mode of transportation for bicyclists and safe access to transit and other facilities.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

Required annual maintenance will be included as part of the Complete Streets annual operating budget.

BRAC Neighborhood Protection Plan

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 51411844

Project Location: BRAC-133 Vicinity
Reporting Area: Beauregard
Project Category: 3 – New Facilities
Estimated Useful Life: Varies

BRAC Neighborhood Protection Plan													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	785,000	*785,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
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
Total Financing Plan	785,000	*785,000*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

Since the opening of the BRAC-133 facility in fall 2011, 6,100 new employees arrive to the site daily. This has generated new traffic on the surrounding roadways. To address community concerns regarding cut-through traffic on local and residential streets, a Neighborhood Protection Plan is in development.

The boundaries of the Neighborhood Protection Plan for the BRAC-133 facility, including sixteen roadway sections that may benefit from traffic calming or cut-through traffic mitigation measures, were counted in the spring of 2011 (prior to the opening of the BRAC facility) to provide baseline speed and volume data. These counts will provide a point of comparison to the future follow-up counts to determine how neighborhood traffic volumes have changed as a result of BRAC.

Staff and VDOT continue to meet since BRAC-133 became occupied to review traffic impacts. At this point, traffic impacts have not been as serious as anticipated. Follow-up traffic counts will be conducted, determining the needs and specific improvements following completion of the HOV ramp. Improvements to reduce cut-through traffic on residential streets may provide improved safety to all residents.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

Unknown at this time. If specific initiatives are required to be implemented, there may be additional operating budget impacts.

Safe Routes to Schools

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 51411842

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
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													
Annual Impact			4,000	4,120	4,244	4,371	4,502	4,637	4,776	4,919	5,067	5,219	45,856
Cumulative Impact			4,000	8,120	12,364	16,735	21,237	25,874	30,650	35,569	40,636	45,856	45,856

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

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 each of the following schools: Mount Vernon School, Polk Elementary School, Ramsay Elementary School, and Maury Elementary School.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

Beginning FY 2017, $4,000 in additional operating costs will be required for annual maintenance and utility costs at intersections being improved.

Holmes Run Greenway

Document Subsection: Non-Motorized Transportation
Managing Department: Dept. of Project Implementation
Supporting Department(s): Transportation & Environmental Services
ORG: 44411637

Project Location: From North Ripley St. to underneath I-395
Reporting Area: Seminary Hill
Project Category: 3 – New Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
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
TIP - Cash	1,000,000	*1,000,000*	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
Total Financing Plan	4,352,402	*4,352,402*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

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 has slippery and unsafe trail condition for trail users.

Study of concept trail alignment has been completed. Detailed design is underway, and construction is scheduled for FY 2017.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008
- 2012 Holmes Run Bike Trail Study
- Beauregard Small Area Plan adopted June 2012

Additional Operating Budget Impact

The additional operating impact will be captured in the TIP as part of the increase in trails maintenance for all new trails project being constructed.

Mount Vernon Trail at East Abingdon Road

Document Subsection: Non-Motorized Transportation
Managing Department: Dept. of Project Implementation
Supporting Department(s): Transportation & Environmental Services
ORG: 43411627

Project Location: Mt. Vernon Trail at E. Abingdon Rd.
Reporting Area: Old Town North
Project Category: 2 – Renovations/Existing Assets
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	850,000	*850,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
State/Federal Grants	750,000	*750,000*	0	0	0	0	0	0	0	0	0	0	0
TIP - Cash	15,000	*15,000*	0	0	0	0	0	0	0	0	0	0	0
Reprogrammed TIP Bonds	85,000	*85,000*	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													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

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. Right-of-ways may be needed, and the plans for the Gen-On property may affect the project. Construction is not expected to begin until FY 2017.

The total project cost is estimated at $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.

The Mount Vernon Trail is necessary in supporting a multi-modal environment and providing local and regional connectivity. The safety improvements at the Mount Vernon Trail are an important need that improves safety for pedestrians, bicyclists, and safe access to transit and other facilities.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

Required annual maintenance will be included as part of the shared-use paths annual operating budget.

Capital Bikeshare

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 51412211

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: Bikes – 6 years, Stations – 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	4,417,009	*1,922,522*	675,000	699,313	368,174	402,000	350,000	0	0	0	0	0	2,494,487
Financing Plan													
State/Federal Grants	4,287,009	*1,792,522*	675,000	699,313	368,174	402,000	350,000	0	0	0	0	0	2,494,487
CMAQ/RSTP	0	*0*	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	130,000	*130,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	4,417,009	*1,922,522*	675,000	699,313	368,174	402,000	350,000	0	0	0	0	0	2,494,487
Additional Operating Impact													
Annual Impact			500,000	620,000	692,000	826,000	972,000	1,001,160	1,031,195	1,062,131	1,093,995	1,126,814	8,925,294
Cumulative Impact			500,000	1,120,000	1,812,000	2,638,000	3,610,000	4,611,160	5,642,355	6,704,485	7,798,480	8,925,294	8,925,294

Changes from Prior Year CIP: Funding added in FY 2017 - FY 2020. Overall project funding increases by approximately $370,000. Project funding source moved from CMAQ/RSTP to VDOT grants.

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, 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 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. Sixteen more stations will be added in spring 2016 using grant funding as well as private capital contributions, for a total of 32 stations in Alexandria.

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 supports 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

Funding for operating 16 additional stations added in 2016 has been included in the FY 2017 operating budget ($160,000). Beginning in FY 2017, capital costs are identified to expand by approximately 8 stations annually from FY 2017 – FY 2021. A funding source will need to be identified for these operating costs before expansion can occur.

Pedestrian & Bicycle Master Plan Update

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 51412210

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: N/A

Pedestrian & Bicycle Master Plan Update													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	500,000	*500,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
TIP - Cash	500,000	*500,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	500,000	*500,000*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project provides funding for a comprehensive update to the 2008 Pedestrian and Bicycle Mobility Plan and the pedestrian and bicycle sections of the Transportation Master Plan to provide additional guidance on future pedestrian and bicycle facilities.

Funding is provided for a master plan only and does not include implementation funding. The project was funded through the Transportation Improvement Program (TIP) in FY 2014. This project is anticipated to be completed in FY 2016.

Updating the 2008 Pedestrian and Bicycle Mobility Plan provides for opportunities to increase the livability of neighborhoods, increase the proximity of goods and services to residents, and provides residents additional non-motorized transportation options.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Complete Streets

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 51411829

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	16,529,310	*7,889,310*	830,000	830,000	1,170,000	830,000	830,000	830,000	830,000	830,000	830,000	830,000	8,640,000
Financing Plan													
Prior City Funding	6,918,310	*6,918,310*	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
Cash Capital	6,741,000	*441,000*	630,000	630,000	630,000	630,000	630,000	630,000	630,000	630,000	630,000	630,000	6,300,000
General Obligation Bonds	2,200,000	*200,000*	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
CMAQ/RSTP	340,000	*0*	0	0	340,000	0	0	0	0	0	0	0	340,000
Private Capital Contributions	10,000	*10,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	16,529,310	*7,889,310*	830,000	830,000	1,170,000	830,000	830,000	830,000	830,000	830,000	830,000	830,000	8,640,000
Additional Operating Impact													
Annual Impact			50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239	573,194
Cumulative Impact			50,000	101,500	154,545	209,181	265,457	323,420	383,123	444,617	507,955	573,194	573,194

Changes from Prior Year CIP: Funding added for FY 2026, otherwise no changes from prior CIP.

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 annual street resurfacing programs. These improvements also ensure compliance with federal ADA 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."

Additionally, safety projects and community requests are also funded in Complete Streets. These measures may encourage lower traffic speeds, enhance pedestrian crossings, and can include specialized signals, sidewalks, markings and signage, crossing islands and detection devices at intersections.

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

Complete Streets is necessary in supporting a multimodal environment, providing more choices for residents and visitors, and providing local and regional connectivity. Additionally, Complete Streets will encourage more walking, bicycling, and transit use, thereby helping to reduce carbon emissions and improving health. The City continues to identify grant opportunities leverage with these funds to allow for the completion of more Complete Streets initiatives.

In FY 2017, 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City
- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents
- Improve residents' overall health
- Improve the quality of residents' leisure time
- Ensure all children and youth succeed

Focus Area: Safe, Secure, & Just Community
- Ensure all community members are treated justly and protected under the law

External or Internal Adopted Plan or Recommendation

- Complete Streets Policy, reenacted by City Council in April 2014
- Large & Neighborhood Park Improvement Plans

Additional Operating Budget Impact

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 $50,000 in FY 2017.

Planned Complete Streets Projects, FY 2017 – FY 2019

Complete Streets Capital Program Fiscal Year 2017 Description	Amount
Complete Street Staffing	$273,000
Speed Cushion Program for qualifying streets	$22,000
Qualifying streets citywide	
Neighborhood Park Pedestrian and Bicycle Access Recommendations	$15,000
Ewald Park - Duke Street	$15,000
Pedestrian Case Study Area Recommendations in Pedestrian & Bicycle Master Plan	$115,000
Duke Street Case Study Area	$80,000
Commonwealth & Braddock Case Study Area	$35,000
Data Collection and Technology	$10,000
Citywide	
Roadway Resurfacing Complete Street Projects - Design & Construction	$145,000
Fort Williams Parkway	$20,000
Russell Road	$30,000
Kenwood Avenue	$20,000
Miscellaneous Roadways	$75,000
Pedestrian Signals & Technology Citywide	$60,000
Citywide	
Priority Project Recommendations in Pedestrian & Bicycle Master Plan	$60,000
Madison Street - Bicycle Priority Project	$50,000
Residential Sidewalk Program for Qualifying Streets	$40,000
Qualifying streets citywide	
Annual ADA sidewalk, curb ramp and bus stop improvements	$15,000
Citywide	
Ongoing Crosswalk and Marking upgrades	$60,000
Citywide upgrades	$30,000
Shared bicycle lane installation citywide	$30,000
Citywide Bicycle Rack installation	$15,000
Total Fiscal Year 2017	$830,000

Planned Complete Streets Projects, FY 2017 – FY 2019 (continued)

Complete Streets Capital Program Fiscal Year 2018	
Description	Amount
Complete Street Staffing	$273,000
Safe Routes to Schools	$15,000
Speed Cushion Program for qualifying streets	$22,000
Qualifying streets citywide	
Pedestrian Case Study Area Recommendations in Pedestrian & Bicycle Master Plan	$60,000
Seminary Road/Hammond Middle School	$30,000
Landmark near I-395	$30,000
Data Collection and Technology	$10,000
Citywide	
Roadway Resurfacing Complete Street Projects - Design & Construction	$195,000
Royal Street (Bicycle Priority Project)	$100,000
Howard Street	$40,000
Miscellaneous Roadways	$55,000
Pedestrian Signals & Technology Citywide	$30,000
Citywide	
Priority Project Recommendations in Pedestrian & Bicycle Master Plan	$125,000
Seminary Road - Bicycle & Pedestrian Priority Project	$125,000
Residential Sidewalk Program for Qualifying Streets	$30,000
Qualifying streets citywide	
Roadway Resurfacing Sidewalk Projects	$30,000
Taney Avenue: Taft Ave to Furman St	$30,000
Annual ADA sidewalk, curb ramp and bus stop improvements	$15,000
Citywide	
Ongoing Crosswalk and Marking upgrades	$15,000
Citywide upgrades	$15,000
Citywide Bicycle Rack installation	$10,000
Total Fiscal Year 2018	$830,000

Planned Complete Streets Projects, FY 2017 – FY 2019 (continued)

Complete Streets Capital Program Fiscal Year 2019	
Description	Amount
Complete Street Staffing	$281,000
Safe Routes to Schools	$30,000
Speed Cushion Program for qualifying streets	$22,000
Qualifying streets citywide	
CMAQ/RSTP Funds for Bicycle and Pedestrian Improvement Study	$340,000
Citywide	
Pedestrian Case Study Area Recommendations in Pedestrian & Bicycle Master Plan	$35,000
Arlandria/Mount Vernon Ave	$35,000
Data Collection and Technology	$20,000
Citywide	
Roadway Resurfacing Complete Street Projects - Design & Construction	$150,000
Union Street	$75,000
Miscellaneous Roadways	$75,000
Pedestrian Signals & Technology Citywide	$75,000
Citywide	
Priority Project Recommendations in Pedestrian & Bicycle Master Plan	$75,000
Fayette Street - Bicycle & Pedestrian Priority Project	$75,000
Residential Sidewalk Program for Qualifying Streets	$40,000
Qualifying streets citywide	
Roadway Resurfacing Sidewalk Projects	$27,000
Annual ADA sidewalk, curb ramp and bus stop improvements	$30,000
Citywide	
Ongoing Crosswalk and Marking upgrades	$30,000
Citywide upgrades	$30,000
Citywide Bicycle Rack installation	$15,000
Total Fiscal Year 2019	$1,170,000

Shared-Use Paths

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): Recreation, Parks & Cultural Activities
ORG: 44801662

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: 25-50 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,491,357	*991,357*	0	300,000	0	300,000	0	300,000	0	300,000	0	300,000	1,500,000
Financing Plan													
Prior City Funding	691,357	*691,357*	0	0	0	0	0	0	0	0	0	0	0
Cash Capital	1,800,000	*300,000*	0	300,000	0	300,000	0	300,000	0	300,000	0	300,000	1,500,000
Total Financing Plan	2,491,357	*991,357*	0	300,000	0	300,000	0	300,000	0	300,000	0	300,000	1,500,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding eliminated in FY 2017, FY 2019, FY 2021, FY 2023 and FY 2025. This eliminated funding was repurposed to the Sidewalk Capital Maintenace project, which experiences corresponding funding increases in the years in which funding was eliminated from the Shared-Use Paths project.

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.

Annual funding is provided for the reconstruction of existing paths ($200,000) 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the fiscal strength of the City government
- Ensure government is accountable to the community
- Achieve results that the community values

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008
- Large & Neighborhood Park Improvement Plans

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Sidewalk Capital Maintenance

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): Recreation, Parks & Cultural Activities
ORG: 51412205

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: 25-50 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	5,989,469	*1,439,469*	950,000	300,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	0	4,550,000
Financing Plan													
Prior City Funding	1,139,469	*1,139,469*	0	0	0	0	0	0	0	0	0	0	0
Cash Capital	4,850,000	*300,000*	950,000	300,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	0	4,550,000
Total Financing Plan	5,989,469	*1,439,469*	950,000	300,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	0	4,550,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding increased by $650,000 in FY 2017. Funding increaed in FY 2019, FY 2021, FY 2023 and FY 2025 by $300,000.

Project Description & Justification

This project supports supplemental sidewalk maintenance citywide in addition to the existing operating budget sidewalk repair program.

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 proportionate to the street resurfacing budget.

The current City sidewalk operating budget does not provide funding sufficient to reconstruct accessible concrete or brick sidewalks, so this project provides funding to supplement the on-going repairs with reconstruction funding.

In addition, the City intends to participate in the Virginia Department of Transportation revenue sharing program every fiscal year when funding for the match is available and eligible projects can be identified. This program will allow the City to match local dollars on a one-to-one basis with VDOT dollars for sidewalk replacement associated with major streets resurfacing projects. This will allow the City to maximize investment in sidewalk maintenance projects along with major streets resurfacing.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the fiscal strength of the City government
- Ensure government is accountable to the community
- Achieve results that the community values

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Sidewalk Capital Maintenance (Continued)

Sidewalk Capital Maintenance Category 1 Project List

	Section
Proposed FY17 Sidewalk Schedule	N/S Alfred St. from First St. to Church St.
	N. Owen St. Entire Length
	Raymond Ave. Entire Length
	Kennedy St./ Landover Rd. Entire Length
	Grandview Dr from Cameron Mills Rd to S Overlook Dr
	Sycamore St from Uhler Terr to Dead-End
	Martha Custris Dr from W Glebe Rd to Valley Dr
	Chambliss St. Length in City
	W. Timber Branch Pkwy. From Braddock Rd. to Dead End
	Taney Ave. from N. Early St. to N. Gordon St.
	Scroggins Rd. from Braddock Rd. to King St.
	Wilkes St. from Patrick St. to the dead end
	Cathedral St. Entire Length
	Bryan St. from W. Taylor Run Pkwy. To Dead End
	Francis Hammond Pkwy Entire Length
	Hume Ave. from Commonwealth Ave. to Jefferson Davis Hwy.
	Duke St. from Jordan St. to S. Walker St.
	Gunston Road from Valley Dr to Martha Custis Dr
	Seminary Rd from N Quaker Ln to 395
	Wilkes St from S Columbus to S Lee St

	Section
Proposed FY18 Sidewalk Schedule	S. Payne St. from Wilkes St. to Dead End
	E. Oxford Ave Entire Length
	Royal St. from King St. to Bashford
	W. Taylor Run Pkwy. From Janney's Ln. to Dead End
	Virginia Ave. Entire Length
	Uhler Terr from Russell Rd to Dead-end
	Wolf St. Entire Length
	Dartmouth Rd. from Crown View to Dead End
	Seminary Rd. from Beauregard to City Limit
	Richenbacher Ave. from N. Van Dorn St. to N. Pickett St.
	Howard St. from Ormond Ave. to Raleigh Ave.
	Farm Rd. from Wellington Rd. to Chalfonte Dr.
	Pickett St. from Van Dorn St. to Valley Forge
	Wythe St from West St to N Fairfax St
	Preston Rd from N Quaker Ln to Valley Dr
	E/W Abingdon St. from First St. to Dead End
	Skyhill Rd. from Janney's Ln. to Dead End
	Mansion Dr. Entire Length
	E/W Linden St. Entire Length
	Allison St. Entire Length
	Malcolm Pl. Entire Length
	Hume Ave. Entire Length

Sidewalk Capital Maintenance (Continued)

Sidewalk Capital Maintenance Category 1 Project List

	Section
Proposed FY18 Sidewalk Schedule	Holmes Run Pkwy. From Van Dorn to Dead End
	Fillmore Ave. from Chambliss to Beauregard
	Clifford Ave. from Commonwealth Ave. to Jefferson Davis Hwy.
	Oakland Terr. Entire Length
	Beverly Dr. from Old Dominion Blvd. to Wellingon
	Oakcrest Dr. Entire Length
	Pendleton St. Entire Length
	East Howell Ave from Clyde Ave to Mt Vernon Ave
	E & W Chapman St from Russell Rd to Wayne Street
	Uline Ave from N Gordon St to N Furman St
	N Gladden St & N Grayson St from Uline Ave to Uline Ave
	Tulsa Place from N Gordon to Cul de sac
	Taylor Ave from Va Ave to Woodlawn Terr
	Tyler Pl & Jackson Pl from Taylor Ave to Woodlawn Terr
	Underwood Place from Ingram St to Cul de sac
	Jasper Place from S Jenkins St to Cul de sac
	Rayburn Ave from N Beauregard St to Reading Ave
	Reading Ave from Rayburn Ave To N Beauregard St
	Princeton Blvd from Vassar Rd to Dartmouth Rd
	Northview Terrace from W Rosemont Ave to Rucker Pl
	Foster Ave & Fairbanks Ave from Seminary Rd to Cul de sac
	North Rosser St from Echols Ave to Bradley Blvd

	Section
Proposed FY19 Sidewalk Schedule	Crown View Dr. from Clover Way to Dartmouth Rd.
	N & S Union St from Pendleton St to Franklin St
	N & S Saint Asaph St from First St to Dead-end
	N & S Fairfax St from Franklin St to Third St
	Fillmore Ave from Beauregard St to Dead-end
	North Stevens from Colfax Ave to Dead-end
	Gary Ave from Fillmore Ave to Gary Pl Cul de sac
	West Howell Ave from Russell Rd to Commonwealth Av
	Norwood Place from Cameron Mils Rd to Cul de sac
	Cameron Station Blvd from Duke St to S Picket St
	Powhatan St from Washington St to Slater Ln
	Polk Ave from Latham St to N Pegram St
	Oval Drive from Cameron Mills Rd to Cul de sac
	Archer Court from N Chambliss St to Cul de sac
	Lowell Ave from N Chambliss St to Cul de sac
	Kelley Court from N Chambliss St to Cul de sac

Sidewalk Capital Maintenance (Continued)

Sidewalk Capital Maintenance Category 1 Project List

	Section
Proposed FY 19 Schedule	Jewell Court & Anderson Court from N Chambliss St to Cul de Sac
	Lomack St from Cul de sac to Dead-end
	Benning Court from N Chambliss St to Dead-end
	Anderson Street from Lowell Ave to Morgan St
	Morgan St from N Chambliss St to Circular Parking space
	Echols Ave from N Stevens to Cul de sac
	South Iris from Venable Ave to Vermont Ave
	Montgomery St from N Henry St to Dead-End
	South Jenkins St from Venable Ave to Holmes Run Pkwy
	South French St from Duke St to Cul de sac
	E. Mt Ida from Mt Vernon Ave to East Custis Ave

Bicycle Parking at Metro Stations

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: 15 years

Bicycle Parking at Metro Stations													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	400,000	*50,000*	350,000	0	0	0	0	0	0	0	0	0	350,000
Financing Plan													
CMAQ/RSTP	400,000	*50,000*	350,000	0	0	0	0	0	0	0	0	0	350,000
Total Financing Plan	400,000	*50,000*	350,000	0	0	0	0	0	0	0	0	0	350,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding in FY 2017 reduced by $150,000 and funding in FY 2019 and FY 2020 eliminated.

Project Description & Justification

Bicycle commuting has risen dramatically in Alexandria since 2005, in part due to improvements in on- and off-street connections to the City's bikeway network. Despite these improvements, the City still lags behind other local jurisdictions in providing safe, secure bicycle parking at its major transit stops. To address high demand and current use levels that meet or exceed capacity, this project will install modular, unattended bicycle parking at the City's Metrorail stations and major transit stops. This bicycle parking is designed to provide a low-cost, high-capacity solution that will also encourage short bicycle trips to complement public transit usage.

Site analysis will be conducted to determine feasibility of bicycle parking installation and will include transit stops along the West End Transitway. Right-of-way must be available for bicycle parking installation.

Completion of this project is essential to provide multimodal options for travel in the City. Bike parking improves access to transit and other activity centers and will provide more opportunities for all citizens and employees to access businesses and employers. Bike parking will encourage more transit use, thereby helping to reduce carbon emissions and improving health.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

Bicycle parking at Metrorail stations has minimal operating impact and will be included in the annual operating budget when stations are installed.

Old Cameron Run Trail

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 51412088

Project Location: Eisenhower Ave. at Telegraph Rd. to Mt. Vernon Trail
Reporting Area: Eisenhower East
Project Category: 3 – New Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	8,405,000	*310,000*	0	2,095,000	6,000,000	0	0	0	0	0	0	0	8,095,000
Financing Plan													
State/Federal Grants	8,305,000	*210,000*	0	2,095,000	6,000,000	0	0	0	0	0	0	0	8,095,000
Reprogrammed TIP Bonds	100,000	*100,000*	0	0	0	0	0	0	0	0	0	0	0
CMAQ/RSTP	0	*0*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	8,405,000	*310,000*	0	2,095,000	6,000,000	0	0	0	0	0	0	0	8,095,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding in the amount of $6,000,000 added in FY 2019 to reflect the City's request for additional funding from VDOT and DRPT under HB2.

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 area so design of the trail can begin in FY 2017. 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. Without additional funding, the project scope will have to be scaled back, or this project will no longer be feasible to construct

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, transit use, thereby helping to reduce carbon emissions and improving health.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

The additional operating impact will be captured in the TIP as part of the increase in trails maintenance for all new trails project being constructed.

Backlick Run Multi-Use Paths

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: TBD

Project Location: Backlick Run path from Boothe Park to Fairfax County
Reporting Area: Landmark/Van Dorn
Project Category: 3 – New Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,118,000	*0*	0	0	200,000	1,918,000	0	0	0	0	0	0	2,118,000
Financing Plan													
CMAQ/RSTP	2,118,000	*0*	0	0	200,000	1,918,000	0	0	0	0	0	0	2,118,000
Total Financing Plan	2,118,000	*0*	0	0	200,000	1,918,000	0	0	0	0	0	0	2,118,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No significant changes from prior year CIP.

Project Description & Justification

This project provides funding to construct a shared-use path along Backlick Run from Boothe Park west to the Fairfax County line. 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.

Funding for an initial project study was secured through CMAQ/RSTP funding. Design and construction is funded through $2.1 million in CMAQ/RSTP grant funds. Previously planned TIP funds supporting this project were reprogrammed to other priority transportation projects in FY 2016. Therefore, additional grant funds must be sought to fund the original scope of the project. Without additional funding identified, the project scope will have to be scaled back or this project will no longer be feasible to complete.

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, transit use, thereby helping to reduce carbon emissions and improving health.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

The additional operating impact will be captured in the TIP as part of the increase in trails maintenance for all new trails project being constructed.

Cameron & Prince Bicycle & Pedestrian Facilities

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 57412458

Project Location: Cameron St. @ Prince St.
Reporting Area: Old Town
Project Category: 3 – New Facilities
Estimated Useful Life: 10 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	300,000	*300,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
NVTA - 30%	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													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0
Changes from Prior Year CIP: No changes from prior year 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 are recommended in the Transportation Master Plan and will provide important connectivity between two major transit hubs and the Mount Vernon Trail.

Pedestrian improvements to be implemented with this project include safer 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 will be improved by providing designated space on the roadway for cyclists as well as additional bicycle parking opportunities along the corridor.

Funding was planned in FY 2016 through NVTA 30% funds. Concepts for enhanced pedestrian and bicycle safety were developed in FY 2016.

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

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

- Required annual maintenance will be included as part of the Complete Streets annual operating budget.

Van Dorn/Beauregard Bicycle Facilities

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: N. Beauregard & N. Van Dorn St.
Reporting Area: Landmark/Van Dorn, Beauregard
Project Category: 3 – New Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,421,000	*0*	0	0	250,000	1,171,000	0	0	0	0	0	0	1,421,000
Financing Plan													
State/Federal Grants	1,421,000	*0*	0	0	250,000	1,171,000	0	0	0	0	0	0	1,421,000
Total Financing Plan	1,421,000	*0*	0	0	250,000	1,171,000	0	0	0	0	0	0	1,421,000
Additional Operating Impact													
Annual Impact			0	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			0	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: Funding in FY 2020 reduced slightly, otherwise no changes from prior year 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

Unknown at this time. Additional operating impacts will be identified when the scope of work is finalizing and specific infrastructure improvements are completed.

Transportation Master Plan Update

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 2 – Renovations/Existing Assets
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	500,000	*0*	0	500,000	0	0	0	0	0	0	0	0	500,000
Financing Plan													
CMAQ/RSTP	500,000	*0*	0	500,000	0	0	0	0	0	0	0	0	500,000
Total Financing Plan	500,000	*0*	0	500,000	0	0	0	0	0	0	0	0	500,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP.

Project Description & Justification

This project provides funding for a comprehensive update to the sections of the 2008 sections of the Transportation Master Plan not completed with the Pedestrian and Bicycle Master Plan Update. The Transportation Commission has supported this project as a priority in the City.

The update will reflect the significant changes to the City's transportation network in the 10 years since the Plan was last updated. The Plan will incorporate significant development in Potomac Yard, Carlyle, Mark Center and other parts of the City. In addition, portions of the three transit corridors are under design or operational which will have significant impact on the travel patterns throughout the City.

Funding is provided for a master plan update only and does not include implementation funding.

Updating the 2008 Transportation Master Plan will provide for opportunities to increase the livability of neighborhoods, increase the proximity of goods and services to residents, and provides residents additional transportation options.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Promote neighborhoods that are amenity-rich
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Healthy & Thriving Residents

- Improve residents' overall health
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008
- City Pedestrian and Bicycle Mobility Plan, June 2008

Additional Operating Budget Impact

No additional operating impact is anticipated.

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STREETS AND BRIDGES

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Streets & Bridges
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Transportation											
Streets & Bridges											
Bridge Repairs	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	5,000,000
City Standard Construction Specifications	0	0	0	0	0	0	0	0	0	0	0
East Glebe & Route 1	0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
Eisenhower Avenue Roadway Improvements	0	0	0	0	0	0	0	0	0	0	0
EW & LVD Implementation - High Street Design/Engineering	0	0	0	0	0	0	500,000	0	0	0	500,000
King & Beauregard Intersection Improvements	0	0	0	0	0	0	0	0	0	0	0
King/Quaker Lane/Braddock Rd. Intersection	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
Route 1 @ E. Reed Intersection 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
Street Reconstruction & Resurfacing of Major Roads	5,300,000	5,300,000	5,500,000	5,500,000	5,500,000	5,500,000	5,000,000	5,300,000	5,300,000	5,300,000	53,500,000
Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	0	200,000	300,000	0	0	0	0	0	0	0	500,000
Total	5,600,000	12,700,000	22,300,000	22,900,000	5,800,000	6,200,000	5,800,000	6,000,000	5,600,000	6,000,000	98,900,000

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Street Reconstruction and Resurfacing of Major Roads

Document Subsection: Streets & Bridges
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 51412206

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	65,882,488	*12,382,488*	5,300,000	5,300,000	5,500,000	5,500,000	5,500,000	5,500,000	5,000,000	5,300,000	5,300,000	5,300,000	53,500,000
Financing Plan													
Prior City Funding	6,670,679	*6,670,679*											0
Cash Capital	10,575,000	*2,575,000*	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	2,000,000	2,000,000	8,000,000
GO Bonds	26,050,000	*175,000*	2,375,000	3,300,000	3,500,000	3,500,000	3,500,000	3,500,000	2,300,000	2,300,000	800,000	800,000	25,875,000
Prior Year/Close-Out - City	975,000	*975,000*	0	0	0	0	0	0	0	0	0	0	0
TIP - Cash	3,700,000	*0*	0	0	0	0	0	0	700,000	1,000,000	1,000,000	1,000,000	3,700,000
State Revenue Sharing	17,911,809	*1,986,809*	2,425,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	15,925,000
Total Financing Plan	65,882,488	*12,382,488*	5,300,000	5,300,000	5,500,000	5,500,000	5,500,000	5,500,000	5,000,000	5,300,000	5,300,000	5,300,000	53,500,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: The total investment in Street Resurfacing increases $7.8 million over last year's ten-year plan. This increased investment will allow the City to resurface approximately 50 lane miles annually.

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, City staff completed an updated pavement management inventory. The pavement condition measurement information gathered was 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 2017 - 2019 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.

To support this project, the City intends to continue participating in the Virginia Department of Transportation (VDOT) State Revenue Sharing program every fiscal year when funding for the match is available and eligible projects can be identified. This provides an opportunity for the City to match local dollars on a 1:1 basis with State Revenue Sharing funds and potentially maintain twice as many lane miles of roads than are currently maintained. VDOT approves State Revenue Sharing funding on an annual basis, and the City has programmed these funds into the Capital Improvement Program beginning FY 2015. In FY 2017, $2.425 million in new Revenue Sharing funds were awarded to support the City's resurfacing program.

Beginning in FY 2015, staff consolidated the City's entire pavement management program (alley reconstruction/resurfacing and street resurfacing/reconstruction) was consolidated into one CIP. This becomes the City's multi-year pavement management program. Where applicable, Complete Streets infrastructure will be incorporated into street resurfacing projects.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- Pavement management inventory updated 2013 and Reviewed by City Council

Additional Operating Budget Impact

No anticipated additional operating impact.

Street Reconstruction and Resurfacing of Major Roads (Continued)

FY 2017 – 2019 Resurfacing Schedule

This list is tentative and may change due to utility and/or development conflicts, contract cost variance, or other unforeseen conditions.
"AVG PCI" in the table below is Average Pavement Condition Index which is a numerical value assigned to indicated the general condition of the pavement.

	Section	Avg PCI	Estimated Cost
Proposed FY17 Paving Schedule	E./ W. Myrtle St. Entire Length	35.00	$100,000.00
	Dawes Ave. from King St. to Seminary Rd.	28.00	$190,000.00
	Cambridge Rd. from Duke St. to Janney's Ln	30.00	$140,000.00
	St. Stephens Rd Entire Length	28.80	$140,000.00
	Colonel Ellis Ave. Entire Length	31.20	$50,000.00
	Russell Rd. from Mt. Vernon Ave. to Masonic View Ave.	42.25	$900,000.00
	Circle Hill Dr. Entire Length	27.00	$65,000.00
	Fontaine St. from Woodland Terr. to Ridge Road Dr.	27.00	$65,000.00
	Tennessee Ave. from Old Dominion Blvd. to Valley Dr.	30.00	$100,000.00
	Halcyon Dr. from Tennessee Ave. to N. Overlook Dr.	24.00	$65,000.00
	Leslie Ave. from Randolph Ave. to Duncan Ave.	25.50	$140,000.00
	E. Glebe Rd. from Commonwealth Ave to Old Dominion BV	46.50	$150,000.00
	Kenwood Dr. from King St. to Crestwood Dr.	35.00	$125,000.00
	Crestwood Dr. Entire Length	33.00	$100,000.00
	Cameron St. from Union St. to Buchannan St.	44.50	$200,000.00
	Mt. Vernon Ave. from Braddock Rd. to Hume Ave.	42.00	$420,000.00
	E Windsor Ave from Russell Rd to Jefferson Davis Hwy	34.63	$140,000.00
	Randolph Ave. Entire Length	25.50	$140,000.00
	N. Pickett from Polk Ave. to Dead End	44.20	$80,000.00
	N./ S. Henry St. from Slater's Ln. to Franklin St.	48.00	$500,000.00
	Prince St. from Dangerfield Rd. to S. Columbus St.	35.00	$240,000.00
	Ft. Williams Pkwy Entire Length	40.00	$400,000.00
	Citywide Alley Resurfacing	< 20	$500,000.00
	Additional Costs and Contingency	N/A	$350,000.00
	TOTAL	--	**$5,300,000.00**

Street Reconstruction and Resurfacing of Major Roads (Continued)

	Section	Avg PCI	Estimated Cost
Proposed FY18 Paving Schedule	N/S Alfred St. from First St. to Church St.	39.00	$375,000.00
	N. Owen St. Entire Length	47.50	$60,000.00
	Raymond Ave. Entire Length	42.50	$80,000.00
	Kennedy St./ Landover Rd. Entire Length	23.50	$380,000.00
	Grandview Dr from Cameron Mills Rd to S Overlook Dr	12.00	$70,000.00
	Sycamore St from Uhler Terr to Dead-End	15.00	$68,000.00
	Martha Custris Dr from W Glebe Rd to Valley Dr	28.00	$500,000.00
	Chambliss St. Length in City	38.50	$80,000.00
	W. Timber Branch Pkwy. From Braddock Rd. to Dead End	44.25	$100,000.00
	Taney Ave. from N. Early St. to N. Gordon St.	32.50	$80,000.00
	Scroggins Rd. from Braddock Rd. to King St.	25.00	$110,000.00
	Wilkes St. from Patrick St. to the dead end	17.00	$130,000.00
	Cathedral St. Entire Length	43.00	$50,000.00
	Bryan St. from W. Taylor Run Pkwy. To Dead End	26.00	$75,000.00
	Francis Hammond Pkwy Entire Length	32.50	$100,000.00
	Hume Ave. from Commonwealth Ave. to Jefferson Davis Hwy.	29.00	$125,000.00
	Duke St. from Jordan St. to S. Walker St.	42.00	$600,000.00
	Gunston Road from Valley Dr to Martha Custis Dr	38.00	$260,000.00
	Seminary Rd from N Quaker Ln to 395	30.00	$1,000,000.00
	Wilkes St from S Columbus to S Lee St	22.00	$155,000.00
	Citywide Alley Resurfacing	< 20	$500,000.00
	Additional Costs and Contingency	N/A	$402,000.00
	TOTAL	**--**	**$5,300,000.00**

Street Reconstruction and Resurfacing of Major Roads (Continued)

	Section	Avg PCI	Estimated Cost
Proposed FY19 Paving Schedule	S. Payne St. from Wilkes St. to Dead End	34.00	$100,000.00
	E. Oxford Ave Entire Length	37.00	$72,000.00
	Royal St. from King St. to Bashford	38.00	$250,000.00
	W. Taylor Run Pkwy. From Janney's Ln. to Dead End	42.00	$75,000.00
	Virginia Ave. Entire Length	36.00	$250,000.00
	Uhler Terr from Russell Rd to Dead-end	6.00	$22,000.00
	Wolf St. Entire Length	36.00	$200,000.00
	Dartmouth Rd. from Crown View to Dead End	31.00	$125,000.00
	Seminary Rd. from Beauregard to City Limit	38.00	$200,000.00
	Richenbacher Ave. from N. Van Dorn St. to N. Pickett St.	30.00	$100,000.00
	Howard St. from Ormond Ave. to Raleigh Ave.	39.00	$150,000.00
	Farm Rd. from Wellington Rd. to Chalfonte Dr.	42.20	$180,000.00
	Pickett St. from Van Dorn St. to Valley Forge	44.60	$300,000.00
	Wythe St from West St to N Fairfax St	29.00	$200,000.00
	Preston Rd from N Quaker Ln to Valley Dr	38.00	$125,000.00
	E/W Abingdon St. from First St. to Dead End	41.00	$300,000.00
	Skyhill Rd. from Janney's Ln. to Dead End	44.00	$100,000.00
	Mansion Dr. Entire Length	41.00	$125,000.00
	E/W Linden St. Entire Length	39.00	$150,000.00
	Allison St. Entire Length	40.00	$150,000.00
	Malcolm Pl. Entire Length	37.00	$50,000.00
	Hume Ave. Entire Length	38.00	$80,000.00
	Holmes Run Pkwy. From Van Dorn to Dead End	41.00	$150,000.00
	Fillmore Ave. from Chambliss to Beauregard	36.00	$125,000.00
	Clifford Ave. from Commonwealth Ave. to Jefferson Davis Hwy.	33.00	$125,000.00
	Oakland Terr. Entire Length	31.00	$50,000.00
	Beverly Dr. from Old Dominion Blvd. to Wellingon	29.00	$80,000.00
	Oakcrest Dr. Entire Length	36.00	$100,000.00
	Pendleton St. Entire Length	42.50	$200,000.00
	East Howell Ave from Clyde Ave to Mt Vernon Ave	23.00	$21,000.00
	E & W Chapman St from Russell Rd to Wayne Street	38.00	$90,000.00
	Uline Ave from N Gordon St to N Furman St	31.00	$41,000.00
	N Gladden St & N Grayson St from Uline Ave to Uline Ave	24.00	$55,000.00
	Tulsa Place from N Gordon to Cul de sac	23.00	$35,000.00
	Taylor Ave from Va Ave to Woodlawn Terr	28.00	$32,000.00
	Tyler Pl & Jackson Pl from Taylor Ave to Woodlawn Terr	55.00	$60,000.00
	Underwood Place from Ingram St to Cul de sac	23.00	$50,000.00
	Jasper Place from S Jenkins St to Cul de sac	28.00	$28,000.00
	Rayburn Ave from N Beauregard St to Reading Ave	15.00	$100,000.00

	Reading Ave from Rayburn Ave To N Beauregard St	42.00	$125,000.00
	Princeton Blvd from Vassar Rd to Dartmouth Rd	31.00	$46,000.00
	Northview Terrace from W Rosemont Ave to Rucker Pl	17.00	$73,000.00
	Foster Ave & Fairbanks Ave from Seminary Rd to Cul de sac	25.00	$55,000.00
	North Rosser St from Echols Ave to Bradley Blvd	18.00	$105,000.00
	Citywide Alley Resurfacing	< 20	$450,000.00
	TOTAL	**--**	**$5,500,000.00**

Bridge Repairs

Document Subsection: Streets & Bridges
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 51411822

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	12,444,975	*7,444,975*	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	5,000,000
Financing Plan													
Prior City Funding	7,444,975	*7,444,975*											0
Cash Capital	1,250,000	*0*	125,000	175,000	75,000	125,000	75,000	175,000	75,000	175,000	75,000	175,000	1,250,000
GO Bonds	3,750,000	*0*	175,000	525,000	225,000	575,000	225,000	525,000	225,000	525,000	225,000	525,000	3,750,000
Total Financing Plan	12,444,975	*7,444,975*	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	300,000	700,000	5,000,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026, otherwise no changes from prior CIP.

Project Description & Justification

This project provides funding for the maintenance, repair, painting of steel structures, joint sealing, bearing repairs and 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 2016 and continuing in FY 2017, 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, Cameron Station Overpass at Duke Street, Pedestrian Bridge over Holmes Run, Eisenhower Avenue over Cameron Run, Potomac Avenue over Four Mile Run, and the CSX railroad over Cameron Run.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

King and Beauregard Intersection

Document Subsection: Streets & Bridges
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 51411791

Project Location: King St. / Beauregard St. / Walter Reed Dr.
Reporting Area: Alexandria West
Project Category: 3 – New Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	16,002,862	*16,002,862*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	538,862	*538,862*											0
State/Federal Grants	15,464,000	*15,464,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	16,002,862	*16,002,862*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002	152,387
Cumulative Impact			0	15,000	30,450	46,364	62,754	79,637	97,026	114,937	133,385	152,387	152,387

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

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 began in early 2016, the utility relocation is anticipated to begin in fall 2016, and Phase II construction is anticipated to begin in fall of 2017 with an estimated completion date of mid-2019.

This project is funded, with $15.5 million of the total $16.0 million project cost paid for with Federal/State Urban Funds and re-programmed VDOT funds.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values

External or Internal Adopted Plan or Recommendation

- King/Beauregard Intersection Improvement Project approved by City Council, March 2010

Additional Operating Budget Impact

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 2018, increasing by inflation each year thereafter.

Eisenhower West – Landmark Van Dorn: High Street Design/Engineering

Document Subsection: Streets and Bridges
Managing Department: Transportation & Environmental Services
Supporting Department(s): Planning and Zoning
ORG: TBD

Project Location: High St. west of and parallel to Van Dorn St
Reporting Area: Eisenhower West/Landmark/Van Dorn
Project Category/Priority: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	500,000	*0*	0	0	0	0	0	0	500,000	0	0	0	500,000
Financing Plan													
TIP	500,000	*0*	0	0	0	0	0	0	500,000	0	0	0	500,000
Total Financing Plan	500,000	*0*	0	0	0	0	0	0	500,000	0	0	0	500,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2023.

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 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 (in FY 2013 dollars) 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Livable, Green, & Prospering City

- Promote neighborhoods that are amenity-rich
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Eisenhower Avenue Roadway Improvements

Document Subsection: Streets & Bridges
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 51411821

Project Location: Eisenhower Ave. from Mill Rd. to Holland Ln.
Reporting Area: Eisenhower East
Project Category: 3 – New Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	8,071,829	*8,071,829*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	534,000	*534,000*											0
TIP - Cash	500,000	*500,000*	0	0	0	0	0	0	0	0	0	0	0
State/Federal Grants	7,000,000	*7,000,000*	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
Total Financing Plan	8,071,829	*8,071,829*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002	152,387
Cumulative Impact			0	15,000	30,450	46,364	62,754	79,637	97,026	114,937	133,385	152,387	152,387

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

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 in the first paragraph. 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 right of way acquisition phase. The final design is anticipated to be completed in mid-2016 and scheduled to go to construction in late 2017.

This project is fully funded, with $7.0 million of the total $8.1 million project cost paid for with Federal/State Urban Funds.

Once completed, this project will be consistent with the City's complete street guidelines, ensuring safe and efficient travel for motorists, bicyclists, and pedestrians.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values

External or Internal Adopted Plan or Recommendation

- Eisenhower East Small Area Plan approved by City Council, March 2003

Additional Operating Budget Impact

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 2018, increasing by inflation each year thereafter.

King Street / Quaker Lane / Braddock Road Intersection

Document Subsection: Streets & Bridges
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 51411819

Project Location: King St. at Quaker Lane and Braddock Rd.
Reporting Area: Fairlington/Bradlee
Project Category: 3 – New Facilities
Estimated Useful Life: 25 years

King Street/Quaker Lane/Braddock Road Intersection													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,131,500	*1,131,500*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	150,000	*150,000*											0
TIP - Cash	600,000	*600,000*	0	0	0	0	0	0	0	0	0	0	0
Private Capital Contributions	381,500	*381,500*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,131,500	*1,131,500*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact				15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002	152,387
Cumulative Impact			0	15,000	30,450	46,364	62,754	79,637	97,026	114,937	133,385	152,387	152,387

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project was initially created to improve vehicular and pedestrian safety and minimize delays through the intersection while also minimizing right-of-way impacts to adjacent properties. The project has subsequently been refined to address safety issues created by driver confusion by focusing on signalization and signage. Geometric improvements to the intersection will be part of future redevelopment.

The scope of this project replaces the span wire traffic signals with mast arm signals. The installation of mast arms will allow for the placement of much needed directional signs, precise placement of signal heads and the installation of vehicle detection. These improvements are expected to mitigate driver confusion and allow for a more efficient conveyance of vehicles and pedestrians through the intersection. Also included in this project are modifications to the slip ramp between King Street and the service road as well as modifying the entrance to the service road at North Quaker Lane. The project design is expected to be complete in summer 2016. Construction is anticipated to begin in early 2017.

As part of the funding sources noted in the table above, the developer of the Bradlee Safeway (DSUP#2011-0015) agreed to provide a contribution of $200,000 toward design of intersection improvements at King/Quaker/Braddock and $181,500 for installation of pedestrian and vehicular improvements in the vicinity of the intersection.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values

External or Internal Adopted Plan or Recommendation

- FY 2016 Budget Memo #4 – "Update on the King Street / Quaker Lane / Braddock Road Intersection Improvement Project"
- FY 2016 Budget Memo #26 – "FY 2015 & FY 2016 Final Revenue Projections and Adjustments and FY 2016 Expenditure Budget Adjustments"
- Route 7 Spot Improvement Study, completed April 2010

Additional Operating Budget Impact

The initial operating impacts of this project will be approximately $15,000 annual maintenance costs of the traffic signals and street lights beginning in FY 2018.

Route 1 at East Reed Avenue

Document Subsection: Streets & Bridges
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 51412235, 51412475

Project Location: Route 1 at E. Reed Avenue
Reporting Area: Potomac West
Project Category: 3 – New Facilities
Estimated Useful Life: 25 years

Route 1 @ E. Reed Intersection Improvements													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	385,000	*385,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	35,000	*35,000*											0
NVTA - 30%	350,000	*350,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	385,000	*385,000*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	500	0	0	10,000	0	0	0	10,500
Cumulative Impact			0	0	0	500	500	500	10,500	10,500	10,500	10,500	10,500

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project includes the addition of a southbound right turn lane on Route 1 at E. Reed Avenue. There is currently a third southbound lane that ends approximately 200 feet north of the intersection. The third lane would be extended to the intersection to provide a right turn lane.

Completion of this project is approved to be implemented to coincide with the affordable housing project on Reed Avenue. The right turn lane is needed to reduce congestion and improve safety. As part of the adjacent development proposal, City Council requested that staff further evaluate the feasibility of constructing this improvement.

The project design was completed in late 2015 and the construction is scheduled to begin in mid-2016.

The total cost of the turn lane improvement is $385,000, with NVTA 30% funding utilized for project construction which will consist of relocation of traffic signal equipment and utilities, drainage improvements, and new asphalt paving and curb and gutter.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Improvement will add additional pavement / road area to the intersection. There will be maintenance impacts related to paving costs and pavement marking costs, with pavement marking assumed to occur once every five years and repaving assumed to occur once every ten years. A $500 pavement marking maintenance cost has been included in FY 2020 and a $10,000 repaving maintenance cost has been included in FY 2023.

Seminary Road at Beauregard Street Ellipse

Document Subsection: Streets & Bridges
Managing Department: Dept. of Project Implementation
Supporting Department(s): Planning & Zoning
ORG: 51412209

Project Location: Seminary Rd. at Beauregard St.
Reporting Area: Seminary Hill
Project Category: 3 – New Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
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 Contributions	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													
Annual Impact			0	0	0	0	25,000	25,750	26,523	27,318	28,138	28,982	161,710
Cumulative Impact			0	0	0	0	25,000	50,750	77,273	104,591	132,728	161,710	161,710

Changes from Prior Year CIP: No changes from prior CIP.

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 is not planned until FY 2018 – 2020, and would be funded primarily with private (development) capital contributions.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Ensure Alexandria supports, retains, and attracts businesses
- Increase the value of the real estate tax base

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values

External or Internal Adopted Plan or Recommendation

- Beauregard Small Area Plan adopted June 2012

Additional Operating Budget Impact

The initial operating impacts of this project will be approximately $25,000 in annual maintenance costs of the new transportation infrastructure beginning in FY 2021, increasing by inflation thereafter.

Madison and Montgomery Improvements

Document Subsection: Streets & Bridges
Project Location: Madison St. & Montgomery St. between Fairfax St. and St. Asaph St.
Managing Department: Transportation & Environmental Services
Reporting Area: Old Town North
Supporting Department(s): Dept. of Project Implementation
Project Category: 2 – Renovations/Existing Assets
ORG: 51411799
Estimated Useful Life: 25 years

Madison & Montgomery Improvements													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
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
TIP - Cash	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													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

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.

Current (FY 2015) and prior-year funding in the amount of $1.75 million are providing for design and construction to address areas of most severe settlement, with the current focus on St. Asaph Street between Madison and Montgomery. Preliminary engineering for this effort is underway, and final design is scheduled for completion in FY 2016, with construction estimated to begin in FY 2017. 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.

The proposed CIP does not reflect an additional $6.3 million in FY 2017 funding that had previously been proposed for complete reconstruction of the three square-block area. However, staff expects to resubmit a future-year request as the scope of the problem is refined throughout FY2016 - 2017 and the most efficient and effective means of reconstruction is finalized.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

East Glebe and Route 1

Document Subsection: Streets & Bridges
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: TBD

Project Location: East Glebe Road and Route 1
Reporting Area: Potomac Yard/Potomac Greens
Project Category: 3 – New Facilities
Estimated Useful Life: 25 years

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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	3,000,000	*0*	0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
Financing Plan													
Developer Contributions	3,000,000	*0*	0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
Total Financing Plan	3,000,000	*0*	0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding moved from FY 2019 to FY 2018.

Project Description & Justification

This intersection safety project proposes to construct improvements identified in the Oakville Triangle and Route 1 Corridor Planning Process that would accommodate future traffic generated by surrounding development. Improvements currently envisioned by this project would focus on East Glebe Road traveling eastbound and will include the establishment of an exclusive left-turn lane (from East Glebe onto northbound Route 1), through lane, and right-turn lane (from East Glebe onto southbound Route 1). An initial phase of the project would include a shorter right-turn pocket that will eventually be extended to the west toward La Verne Avenue, as additional development occurs.

It is anticipated that the project would be funded through developer contributions and some elements may require acquisition of additional right-of-way. Completion of this project will allow traffic to move through the intersection in a safe and efficient manner.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values

External or Internal Adopted Plan or Recommendation

- Oakville Triangle and Route 1 Corridor Plan, January 2016

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

City Standard Construction Specifications

Document Subsection: Streets & Bridges
Managing Department: Department of Project Implementation
Supporting Department(s): Multiple Departments
ORG: TBD

Project Location: N/A
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	200,000	*200,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Cash Capital	100,000	*100,000*	0	0	0	0	0	0	0	0	0	0	0
TIP - Cash	50,000	*50,000*	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fees	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													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

The Department of Project Implementation (DPI) is requesting funds to develop 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Livable, Green, and Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results that the community values

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Van Dorn Multimodal Bridge

Document Subsection: Streets & Bridges
Managing Department: Transportation & Environmental Services
Supporting Department(s): Planning & Zoning
ORG: TBD

Project Location: Van Dorn Metro Station to Pickett St.
Reporting Area: Landmark / Van Dorn
Project Category: 3 – New Facilities
Estimated Useful Life: 25 years

Van Dorn Metro Multimodal Bridge													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	500,000	*0*	0	200,000	300,000	0	0	0	0	0	0	0	500,000
Financing Plan													
TIP - Cash	500,000	*0*	0	200,000	300,000	0	0	0	0	0	0	0	500,000
Total Financing Plan	500,000	*0*	0	200,000	300,000	0	0	0	0	0	0	0	500,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding moved forward to FY 2018 and FY 2019, from FY 2023.

Project Description & Justification

This project provides preliminary design and engineering funding for the construction of a multimodal bridge from the Van Dorn Metro Station to 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 bicycles, pedestrians and transit from Pickett Street to the Van Dorn Metro Station.

Funding is provided for initial design and engineering in FY 2018 and FY 2019through the Transportation Improvement Program (TIP).

This construction phase of this project is estimated to cost $50 million (in FY 2015 dollars), and completion is contingent on coordination with Norfolk Southern railroad, and substantial private (development) capital contributions.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Achieve results that the community values

External or Internal Adopted Plan or Recommendation

- Landmark/Van Dorn Corridor Plan approved by City Council, February 2009
- Eisenhower West Small Area Plan, November 2015

Additional Operating Budget Impact

No additional operating impact is noted at this time. Funding is provided for study/feasibility work only.

FIXED TRANSPORTATION EQUIPMENT

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Fixed Transportation Equipment
Proposed FY 2017 – 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Transportation											
Fixed Transportation Equipment											
Citywide Parking - Parking Study	150,000	0	0	0	0	0	0	0	0	0	150,000
Citywide Parking - Parking Technologies	0	110,000	200,000	0	400,000	0	0	0	0	0	710,000
Citywide Trans. Mgmt. Tech. - Broadband TSA Communications Link	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	1,918,000	7,000,000	0	0	0	0	0	0	0	0	8,918,000
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	0	900,000
Citywide Trans. Mgmt. Tech. - Transportation Technologies	175,000	250,000	250,000	0	0	0	0	250,000	0	0	925,000
Fixed Transportation Equipment	850,000	1,450,000	850,000	850,000	850,000	850,000	2,350,000	850,000	850,000	850,000	10,600,000
Citywide Transportation Management System (SCOOT/Tdi)	0	0	0	0	0	0	0	0	0	0	0
Total	4,193,000	8,910,000	1,400,000	950,000	1,350,000	950,000	2,450,000	1,200,000	950,000	850,000	23,203,000

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Fixed Transportation Equipment

Document Subsection: Fixed Transportation Equipment
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 49411771

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	27,672,833	*17,072,833*	850,000	1,450,000	850,000	850,000	850,000	850,000	2,350,000	850,000	850,000	850,000	10,600,000
Financing Plan													
Prior City Funding	16,222,833	*16,222,833*											0
Cash Capital	2,875,000	*225,000*	225,000	425,000	225,000	225,000	225,000	225,000	425,000	225,000	225,000	225,000	2,650,000
General Obligation Bonds	8,575,000	*625,000*	625,000	1,025,000	625,000	625,000	625,000	625,000	1,925,000	625,000	625,000	625,000	7,950,000
Total Financing Plan	27,672,833	*17,072,833*	850,000	1,450,000	850,000	850,000	850,000	850,000	2,350,000	850,000	850,000	850,000	10,600,000
Additional Operating Impact													
Annual Impact				2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	112,500
Cumulative Impact			0	2,500	7,500	15,000	25,000	37,500	52,500	70,000	90,000	112,500	112,500

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year 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. Staff plans to replace the poles at five intersections per year.

Funding is also provided for replacement of the multi-space meters in East Eisenhower/Carlyle in FY 2018 and in Old Town in FY 2023. As with all technology driven devices, these meters 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green, and Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

This project is ongoing and provides for the upgrade, maintenance and replacement of traffic control and parking equipment, as well as the installation of new traffic signals and small scale parking meter projects. Staff estimates that one new traffic signal will be constructed per year with an annual operating impact of $2,500 per signal. No signals are planned in FY 2017, so the additional operating impact begins in FY 2018.

Fixed Transportation Equipment (Continued)

Fixed Transportation Equipment Category 1 Project List

Fiscal Year 2017	
Description	**Amount**
Reconstruct signal at Bashford & Abingdon	$ 150,000
Reconstruct signal at Columbus & Prince	$ 120,000
Reconstruct signal at Wilkes & Columbus	$ 120,000
Reconstruct signal at Alfred & Cameron	$ 120,000
Reconstruct signal at Alfred & Prince	$ 120,000
Reconstruct signal at King, Callahan, & Russell	$ 135,000
Repair and upgrade of traffic signal vehicle detection	$ 35,000
Knockdowns from accidents	$ 50,000
Total Fiscal Year 2017	**$ 850,000**

Fiscal Year 2018	
Description	**Amount**
Reconstruct signal at Van Dorn & Van Dorn Plaza	$ 150,000
Reconstruct signal at King & Dearing	$ 150,000
Reconstruct signal at King & Menokin	$ 150,000
Reconstruct signal at King & 28th	$ 150,000
Repair and upgrade of traffic signal vehicle detection	$ 50,000
Knockdowns from accidents	$ 50,000
Replace Carlyle Multi-space meters	$ 600,000
New signal (undetermined location)	$ 150,000
Total Fiscal Year 2018	**$ 1,450,000**

Fiscal Year 2019	
Description	**Amount**
Reconstruct signal at St. Asaph & Montgomery	$ 120,000
Reconstruct signal at St. Asaph & Madison	$ 120,000
Reconstruct signal at St. Asaph & Pendleton	$ 130,000
Reconstruct signal at Columbus & Montgomery	$ 120,000
Reconstruct signal at Columbus & Madison	$ 120,000
Reconstruct signal at Columbus and Wythe	$ 130,000
Repair and upgrade detection	$ 60,000
Knockdowns from accidents	$ 50,000
Total Fiscal Year 2019	**$ 850,000**

Traffic Control Upgrade

Document Subsection: Fixed Transportation Equipment
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: Varies

Traffic Control Upgrade													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,000,000	*100,000*	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	0	900,000
Financing Plan													
Cash Capital	1,000,000	*100,000*	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	0	900,000
Total Financing Plan	1,000,000	*100,000*	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	0	900,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			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 will fund the maintenance and upgrading of transportation management technology systems. The recent completion of the ITS Integration Phase I project installed technology driven infrastructure, such as a broad band fiber optic communications network throughout parts of the City, traffic surveillance cameras, and a management center at Business Center Drive.

Future phases of the ITS Integration project will expand the fiber optic network, add more traffic cameras as well as add other devices, such as pavement temperature sensors and flood monitoring stations. The information from all these devices will go to the management center at Business Center Drive. The management center will be activated during snow removal operations and emergency events as well as for transportation management. The technology infrastructure associated with this initiative will be maintained and upgraded with the funding from this program. Technology has a short life and must constantly be upgraded to prevent obsolescence and failure. These devices are expensive and if one fails prematurely, staff needs to have a readily available source of funding to purchase replacements.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the government is accountable to the community
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green, and Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

No additional impact to the operating budget is anticipated.

Citywide Transportation Management Technologies – Intelligent Transportation Systems (ITS) Integration

Document Subsection: Fixed Transportation Equipment
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 49411772

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: Varies

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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	15,607,525	*6,689,525*	1,918,000	7,000,000	0	0	0	0	0	0	0	0	8,918,000
Financing Plan													
Prior City Funding	39,356	*39,356*											0
State/Federal Grants	13,650,169	*6,650,169*	0	7,000,000	0	0	0	0	0	0	0	0	7,000,000
CMAQ/RSTP	1,918,000	*0*	1,918,000	0	0	0	0	0	0	0	0	0	1,918,000
Total Financing Plan	15,607,525	*6,689,525*	1,918,000	7,000,000	0	0	0	0	0	0	0	0	8,918,000
Additional Operating Impact													
Annual Impact			10,000	10,300	10,609	10,927	11,255	11,593	11,941	12,299	12,668	13,048	114,639
Cumulative Impact			10,000	20,300	30,909	41,836	53,091	64,684	76,625	88,923	101,591	114,639	114,639

Changes from Prior Year CIP: Planned FY 2017 funding remains unchanges from prior CIP. In FY 2018, $7,000,000 has been added to reflect grants that T&ES plans to pursue to continure ITS Integration-related initiatives.

Project Description & Justification

This project provides funding for the deployment and upgrade of Intelligent Transportation Systems (ITS). Much of this work will focus on designing and constructing a broadband communications network, installing traffic cameras and other field devices, such as weather stations, flood monitoring equipment, pavement temperature sensors, etc. This is a multiphase project that is primarily grant funded.

ITS Integration Phase I has been completed. This phase of the project installed a broadband fiber optic communications network, 11 traffic surveillance cameras, and a management center at Business Center Drive.

ITS Integration Phase II will be advertised for construction in the third/fourth quarter of FY 2015 and take approximately 18 months to complete. Phase II will expand the communications network installed in Phase I and install additional traffic surveillance cameras. Future phases of the project will add new capabilities, such as pavement temperature sensors, flood monitors and future vehicle to infrastructure technology applications currently being developed by the Federal Government.

Completion of this project will replace much of the City's 30 year old traffic signal communications and allow public safety department technology to monitor conditions on the City's roadway network.

Staff has requested additional HB2 grant funding in the amount of $7 M for adaptive traffic signal control and $1 M for a CCTV system to monitor traffic in west Eisenhower.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Additional operating costs estimated based on hardware and software requirements to run CCTV cameras and manage the network.

Citywide Transportation Management System (SCOOT/TDi)

Document Subsection: Fixed Transportation Equipment
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: Varies

Citywide Transportation Management System (SCOOT/TDi)													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	500,000	*500,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
NVTA 70%	500,000	*500,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	500,000	*500,000*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding requested.

Project Description & Justification

The Split Cycle Offset Optimization Technique/Transportation Data Information (SCOOT/TDi) system is an advanced, real-time system that tracks movement of all transportation modes through the transportation network. This technology will advance the City's signal system so that staff can utilize this real time travel information for better optimization of signal timings as well as optimal planning for infrastructure projects.

SCOOT analyzes real-time traffic data to optimize the operation of traffic signals in the network. TDi anonymously locates and tracks the movement of cellular devices (3G/4G/CDNA/GSM networks). Filters differentiate between modes of transportation and vehicles. By monitoring cellular device movement over time, the system is able to determine the speed at which a vehicle/pedestrian is traveling and thus the flow of traffic along any section of road. Tracking specific anonymous cellular devices provides current and historical data on origins, destinations, route selection and travel speed, providing powerful and robust planning and operations data.

This project has three components – concept strategy and benefits mapping (CS), preliminary engineering (PE), and implementation. Funding was provided only for the CS phase through NVTA 70% funds in FY 2015.

The concept strategy (CS) phase will involve thorough understanding of the City of Alexandria travel and traffic arrangements, key stakeholders, and the benefits to be realized from a project of this scale. Major wireless service providers will be queried to assess interest and determine the costs and ability of the various providers to provide the required service. The concept phase output will be a full brief for the PE and implementation phases.

The future PE phase will involve developing (1) concept of operations, (2) system requirements, (3) high level design, (4) detailed design, (5) bid package, estimates, and project schedule, and (6) system and subsystem validation, verification and testing plans. The implementation phase will involve installation, integration, validation, verification, testing, and acceptance of the system.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

None at this time. Funding provided for an initial planning and feasibility study only.

Citywide Transportation Management Technologies – Transportation Technologies

Document Subsection: Fixed Transportation Equipment
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 49412090

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: Varies

Transportation Technologies													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,578,400	*653,400*	175,000	250,000	250,000	0	0	0	0	250,000	0	0	925,000
Financing Plan													
TIP - Cash	1,463,400	*538,400*	175,000	250,000	250,000	0	0	0	0	250,000	0	0	925,000
Reprogrammed TIP Bonds	115,000	*115,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,578,400	*653,400*	175,000	250,000	250,000	0	0	0	0	250,000	0	0	925,000
Additional Operating Impact													
Annual Impact			0	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			0	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: Funding from FY 2020 and FY 2022 was moved up to FY 2018 and FY 2019. Otherwise, no changes from prior CIP.

Project Description & Justification

This project funds the deployment of small, undefined transportation technology projects to improve efficiency of the transportation network through technology.

In the past this funding was used to upgrade the parking meter modems from 2G to 3G to ensure continued operation and reliability as cellular providers phase out 2G service.

Future uses of this money include procuring real time passenger information systems and Voice Annunciator systems for DASH, procuring pavement sensors, traffic monitoring technology and upgrades allowing Ethernet communications to some traffic signals.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Unknown at this time. Operating costs will be determined once the full scope of work for the technologies implemented is identified.

Parking Technologies

Document Subsection: Fixed Transportation Equipment
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: 10 years

Parking Technologies													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	710,000	*0*	0	110,000	200,000	0	400,000	0	0	0	0	0	710,000
Financing Plan													
CMAQ/RSTP	710,000	*0*	0	110,000	200,000	0	400,000	0	0	0	0	0	710,000
Total Financing Plan	710,000	*0*	0	110,000	200,000	0	400,000	0	0	0	0	0	710,000
Additional Operating Impact													
Annual Impact			0		TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: Funding remains unchanged for FY 2018 and FY 2019 from prior CIP. FY 2021 funding decreased by $100,000.

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, website based interactive parking map, dynamic signage that would illustrate real-time parking availability in city-owned garages, and other parking technology. 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 – 2021. Specific projects contemplated include:

- FY 2018 ($110,000): Phase I – Begin installing sensors in all City owned garages; begin to install sensors or similar technology in on-street spaces; and install dynamic directional signage that would indicate real-time parking availability and direct parkers to available parking spaces.

- FY 2019 ($200,000): Phase II – Continue installing sensors in all City owned garages; continue installing sensors or similar technology in on-street spaces; and continue installing dynamic directional signage that would indicate real-time parking availability and direct parkers to available parking spaces.

- FY 2021 ($400,000): Phase III – Develop interactive mobile and web-based applications to display both on-street and off-street real-time parking occupancy and availability using data from sensors installed in Phases I and II.

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 narrowed.

Once implemented, these technologies will support economic development by providing more efficient parking strategies and allow the City to manage parking and traffic assets more efficiently.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Ensure Alexandria supports, retains, and attracts businesses

External or Internal Adopted Plan or Recommendation

- Old Town Area Parking Study

Additional Operating Budget Impact

Unknown at this time. Operating costs will be determined once specific technologies are identified.

Parking Study

Document Subsection: Non-Motorized Transportation
Managing Department: Transportation & Environmental Services
Supporting Department(s): Planning & Zoning
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1- Asset Maintenance
Estimated Useful Life: N/A

Parking Study													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	150,000	*0*	150,000	0	0	0	0	0	0	0	0	0	150,000
Financing Plan													
TIP	150,000	*0*	150,000	0	0	0	0	0	0	0	0	0	150,000
Total Financing Plan	150,000	*0*	150,000	0	0	0	0	0	0	0	0	0	150,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: This is a new project added for FY 2017.

Project Description & Justification

This project will conduct the analysis to recalibrate parking standards for new development. The parking standards in Alexandria's Zoning Ordinance are out of date. Non-auto travel has increased since current standards were set, and there are indications that household car ownership is declining, requiring an update.

The study will involve an inventory of current standards, review previous parking studies, assess recently approved parking ratios by location by development, and assess parking supply and utilization in existing development projects. The study will also look at on-street parking availability in recently approved residential/mixed use developments with a parking reduction and provide recommendations for standards that have been successfully used in other jurisdictions.

This is a new project added in FY 2017, funded through the Transportation Improvement Program (TIP). It will build on a staff led study for residential parking standards for new development currently underway, and will examine parking standards for commercial uses.

Consistent with the Parking Work Program memorandum provided to Council in FY 2015, this project is being performed in FY 2017 to align with other parking work priorities.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Livable, Green, and Prospering City

- Ensure Alexandria supports, retains, and attracts businesses
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Transportation Master Plan approved by City Council, April 2008

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated. Funding is provided for study/feasibility work only.

Citywide Transportation Management Technologies. - Broadband TSA Communications Link

Document Subsection: Fixed Transportation Equipment
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: 3 - New or Updated Facilities
Estimated Useful Life: Varies

Broadband TSA Communications Link													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,000,000	*0*	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
Financing Plan													
State/Federal Grants	1,000,000	*0*	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
Total Financing Plan	1,000,000	*0*	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
Additional Operating Impact													
Annual Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: This is a new project added for FY 2017.

Project Description & Justification

The Broadband Transportation Security Administration (TSA) Communications Link project will help mitigate the impacts of the proposed development on Eisenhower Avenue. The new TSA site will require the installation of two new traffic signals. There is no communications infrastructure in place to connect these new signals with the traffic signal system or the signals on either side of the development site. The existing signals on Eisenhower Avenue operate independently and are not synchronized.

This project will include communications conduit and fiber optic cable on Eisenhower Avenue between Van Dorn Street and Clermont Avenue, traffic cameras at key locations along Eisenhower Avenue to monitor TSA traffic, and the communications network to connect the new and existing traffic signals to provide synchronization along Eisenhower Avenue to mitigate the impacts of TSA related traffic.

This project will build onto the infrastructure installed with the ITS Integration Phase I project which has already been completed, as well as likely serve as a segment of the potential citywide broadband initiative.

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City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 3 – Transportation

Focus Area: Livable, Green, and Prospering City

- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Additional operating costs estimated based on hardware and software requirements to run CCTV cameras and manage the network. Some operating costs will be determined once the full scope of work for the technologies implemented is identified.

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SANITARY SEWERS

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Sanitary Sewers
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Sanitary Sewers											
Sanitary Sewers											
AlexRenew Wastewater Treatment Plant Capacity	0	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	34,220,000
Citywide Sewershed Infiltration & Inflow	0	3,000,000	2,375,000	3,075,000	2,850,000	4,000,000	0	0	0	0	15,300,000
Combined Sewer Overflow 001 Planning	0	0	0	0	0	0	0	0	0	0	0
Combined Sewer Separation Projects	700,000	300,000	200,000	200,000	600,000	200,000	200,000	600,000	200,000	200,000	3,400,000
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
Sewer Assessment & Rehabilitation	0	0	3,700,000	2,550,000	2,550,000	0	0	0	0	0	8,800,000
Wet Weather Management Facility	0	2,250,000	8,750,000	9,000,000	0	0	0	0	0	0	20,000,000
Total	1,900,000	6,750,000	16,225,000	27,095,000	18,600,000	17,150,000	1,400,000	1,800,000	1,400,000	1,400,000	93,720,000

Sanitary Sewers Ten-Year Plan
Proposed FY 2017 – 2026 Capital, Operating and Debt Service

Sanitary Sewer Rate	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 17-26
Sanitary Sewer Rate ($ per 1,000 gallons)	$1.25	$1.40	$1.68	$2.18	$2.63	$2.96	$2.96	$3.00	$3.00	$3.00	
Proposed Rate Increase	12.0%	20.0%	30.0%	20.5%	12.5%	0.0%	1.3%	0.0%	0.0%	0.0%	
New Sanitary Sewer Rate	$1.40	$1.68	$2.18	$2.63	$2.96	$2.96	$3.00	$3.00	$3.00	$3.00	

Revenues	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 17-26
Sewer Line Maintenance Fee	6,770,400	8,185,414	10,720,845	13,015,508	14,752,265	14,862,907	15,161,559	15,275,271	15,389,835	15,505,259	129,639,263
Sewer Connection Fee	3,750,000	3,000,000	2,200,000	2,310,000	2,425,500	2,546,775	2,674,114	2,807,819	2,920,132	3,036,938	27,671,278
New Debt Issuance	0	5,750,000	13,375,000	24,820,000	16,325,000	16,150,000	400,000	800,000	400,000	400,000	78,420,000
Reprogrammed Prior Year Funding	0	0	0	0	0	0	0	0	0		0
Fund Balance Carryover	415,999	0	489,846	1,234,256	1,445,569	1,760,569	759,469	157,795	(30,594)	160,543	6,393,452
Total Revenues	10,936,399	16,935,414	26,785,692	41,379,764	34,948,334	35,320,252	18,995,141	19,040,885	18,679,373	19,102,740	242,123,994

All Operating	6,473,315	6,699,659	7,029,437	7,734,887	8,095,043	8,311,820	8,552,315	8,782,421	9,016,857	9,258,192	79,953,946
All Capital Projects	1,900,000	6,750,000	14,375,000	25,820,000	17,325,000	17,150,000	1,400,000	1,800,000	1,400,000	1,400,000	89,320,000
All Debt Service	2,563,084	2,995,908	4,147,000	6,379,308	7,767,722	9,098,963	8,885,032	8,489,058	8,101,973	7,745,891	66,173,938
Total Expenditures	10,936,399	16,445,567	25,551,436	39,934,195	33,187,765	34,560,783	18,837,347	19,071,479	18,518,830	18,404,083	235,447,884

Operating Costs	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 17-26
T&ES Personnel Charges (incl. Worker's Comp)	3,054,707	3,146,348	3,240,739	3,337,961	3,438,100	3,541,243	3,647,480	3,756,904	3,869,611	3,985,700	35,018,792
DPI Personnel Charges	567,364	584,385	601,916	619,974	638,573	657,730	677,462	697,786	718,720	740,281	6,504,192
Indirect Costs (Tr to G.F.)	967,877	1,029,058	1,188,718	1,409,947	1,580,354	1,601,691	1,640,882	1,663,644	1,684,517	1,705,882	14,472,570
Sewer Jet Cleaning	250,000	257,500	265,225	273,182	281,377	289,819	298,513	307,468	316,693	326,193	2,865,970
Corrective Maintenance	106,090	109,273	112,551	115,927	119,405	122,987	126,677	130,477	134,392	138,423	1,216,203
Other Non-Personnel (Training, Utilities, Rentals, etc.)	145,583	149,951	154,449	159,083	163,855	168,771	173,834	179,049	184,420	189,953	1,668,947
DPI Standard Specifications	0	0	0	0	0	0	0	0	0	0	0
Equipment Replacement	122,462	126,136	129,920	133,817	137,832	141,967	146,226	150,613	155,131	159,785	1,403,887
Sanitary Sewer Capacity Study - Flow Metering, Sewer Modeling, CMOM	400,000	412,000	424,360	437,091	450,204	463,710	477,621	491,950	506,708	521,909	4,585,552
Sewer Billing	84,872	87,418	90,041	92,742	95,524	98,390	101,342	104,382	107,513	110,739	972,962
Annual CCTV of Sewers	424,360	437,091	450,204	463,710	477,621	491,950	506,708	521,909	537,567	553,694	4,864,812
Heavy Cleaning of Sewers	350,000	360,500	371,315	382,454	393,928	405,746	417,918	430,456	443,370	456,671	4,012,358
Wet Weather Management Facility Operating	0	0	0	309,000	318,270	327,818	337,653	347,782	358,216	368,962	2,367,701
Subtotal, Operating Costs	*6,473,315*	*6,699,659*	*7,029,437*	*7,734,887*	*8,095,043*	*8,311,820*	*8,552,315*	*8,782,421*	*9,016,857*	*9,258,192*	*79,953,946*

Sanitary Sewers Ten-Year Plan
Proposed FY 2017 – 2026 Capital, Operating and Debt Service (Continued)

Capital Projects	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 17-26
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
Wet Weather Management Facility	0	2,250,000	8,750,000	9,000,000	0	0	0	0	0	0	20,000,000
Sewer Separation Projects	700,000	300,000	200,000	200,000	600,000	200,000	200,000	600,000	200,000	200,000	3,400,000
Green Infrastructure in CSO Areas	0	0	0	0	0	0	0	0	0		0
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
City Standard Construction Specs	0	0	0	0	0	0	0	0	0	0	0
Citywide Sewershed Rehab and I&I Red.	0	3,000,000	2,375,000	3,075,000	2,850,000	4,000,000	0	0	0	0	15,300,000
Combined Sewer Assessment and Rehab	0	0	1,850,000	1,275,000	1,275,000	0	0	0	0	0	4,400,000
AlexRenew WWTP Expansion	0	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	34,220,000
Four Mile Run Sanitary Sewer Repair	0	0	0	0	0	0	0	0	0	0	0
Combined Sewer Overflow Planning	0	0	0	0	0	0	0	0	0	0	0
King/West Diversion Chamber	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
Subtotal, Capital Projects	*1,900,000*	*6,750,000*	*14,375,000*	*25,820,000*	*17,325,000*	*17,150,000*	*1,400,000*	*1,800,000*	*1,400,000*	*1,400,000*	*89,320,000*
Debt Service	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 17-26
Debt Service Payments	*2,563,084*	*2,995,908*	*4,147,000*	*6,379,308*	*7,767,722*	*9,098,963*	*8,885,032*	*8,489,058*	*8,101,973*	*7,745,891*	*66,173,938*
Total, All Categories	10,936,399	16,445,567	25,551,436	39,934,195	33,187,765	34,560,783	18,837,347	19,071,479	18,518,830	18,404,083	235,447,884

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Holmes Run Trunk Sewer

Document Subsection: Sanitary Sewers
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 53411869

Project Location: AlexRenew Plant to the City/Fairfax Border
Reporting Area: Landmark/Van Dorn/Seminary Hill Taylor Run/Eisenhower East
Project Category: 3 – New Facilities
Estimated Useful Life: 40 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2025	Total FY 2017-2026
Expenditure Budget	9,002,000	*9,002,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	500,000	*500,000*											0
GO Bonds - Sanitary Sewer	4,200,000	*4,200,000*	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fees	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													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project provides for an increase in capacity in the Holmes Run Trunk Sewer line, which is owned and operated by 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 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 capacity issues in the East Eisenhower area and to prevent basement back-ups and sanitary sewer overflows. Additional engineering analysis is underway to evaluate capacity issues in the Holmes Run Trunk Sewer upstream of I-395, which is being undertaken jointly between the City, Fairfax County and Alexandria Renew Enterprises (AlexRenew). This study will be completed in FY2016.

A total of $9.0 million from the Sanitary Sewer fund has been budgeted in prior fiscal years for this project. Engineering analysis which is being coordinated with Fairfax County and AlexRenew is expected to be completed in FY2016. The completion of the analysis will result in proposed recommended improvements for sewer capacity. Depending on the outcome of the current on-going study, 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase the value of the real estate tax base
- Ensure Alexandria supports, retains, and attracts businesses

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- 2013 Sanitary Sewer Master Plan

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Combined Sewer Overflow 001 Planning

Document Subsection: Sanitary Sewers
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 53412363

Project Location: CSO 001 – Pendleton St. at Potomac River
Reporting Area: Old Town North
Project Category: 3 – New Facilities
Estimated Useful Life: N/A

Combined Sewer Overflow 001 Planning													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2025	Total FY 2017-2026
Expenditure Budget	500,000	*500,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Sanitary Sewer Fees	500,000	*500,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	500,000	*500,000*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

The City's combined sewer system (sanitary and storm sewers) comprise approximately 540 acres located in the Old Town area. During certain wet weather events, flows in excess of the sewer pipes 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. This project is related to the Combined Sewer System (CSS) Permit Compliance project, but focuses only on the CSO 001 area.

The CSO 001 Planning project will provide for feasibility planning at CSO 001 (Pendleton Street) with the goal of reducing CSO discharges. A total of $500,000 was budgeted in FY 2015 for feasibility planning with design and construction to be determined based on future permit requirements.

There will be an additional benefit of significantly reducing the nutrient and sediment loadings into the Chesapeake Bay. These reductions could be applied towards the Chesapeake Bay TMDL stormwater reduction requirements and may benefit the City. Finally, the redevelopment of the GenOn site in Old Town will require developer contributions towards separating the combined sewage at the site. These potential contributions can be used to fund the storage at CSO 001. Planning for CSO 001 will require coordination with redevelopment of the Robinson Terminal North site.

(Continued on next page)

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Sustain the natural quality of land within the City

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

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
- Eco-City Charter (Water Resources) and 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
- 2013 Sanitary Sewer Master Plan

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Combined Sewer Overflow 001 Planning (Continued)

Project Description & Justification (Continued)

For the City to stay in compliance with the 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. The estimated total cost of mitigation of these overflows can range as high as $200 million - $300 million and depends on the type and mix of technologies implemented.

Through the ongoing update to the City's Long Term Control Plan for the CSS, an alternatives analysis is being conducted that will result in a recommended plan and projects to comply with the regulatory requirements. Only after completion of the Long Term Control Plan Update – scheduled for submission to the Virginia Department of Environmental Quality in August 2016 – and after their subsequent approval, will the schedule for the recommended projects and the costs associated with these projects become more certain. In the current permit cycle (2013-2018), the City is 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 sewer separation projects. The City will also need to continue extensive monitoring, sampling, inspections, and reporting. This budget reflects the anticipated costs of improvements over the next five years only. Costs of improvements required for implementing the approved updated Long Term Control Plan (beyond FY 2019) have not yet been fully identified and are not included in the ten-year CIP.

Four Mile Run Sanitary Sewer Repair

Document Subsection: Sanitary Sewers
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 53411873

Project Location: End of Commonwealth Ave. to Bruce St.
Reporting Area: Potomac West
Project Category: 2 – Renovations/Existing Assets
Estimated Useful Life: 40 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2025	Total FY 2017-2026
Expenditure Budget	2,500,000	*2,500,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
GO Bonds - Sanitary Sewer	800,000	*800,000*	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fees	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													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

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 design phase and construction is tentatively scheduled to start in FY 2016.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- 2013 Sanitary Sewer Master Plan

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Combined Sewer System (CSS) Permit Compliance

Document Subsection: Sanitary Sewers
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 53411875

Project Location: Old Town CSO Area
Reporting Area: Old Town
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2025	Total FY 2017-2026
Expenditure Budget	10,685,440	*7,685,440*	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 Sewer	245,072	*245,072*	0	0	0	0	0	0	0	0	0	0	0
Sanitary Sewer Fees	10,440,368	*7,440,368*	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	10,685,440	*7,685,440*	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													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0
Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year CIP.													

Project Description & Justification

The City's combined sewer system (sanitary and storm sewers) comprise 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. The City received a new permit in August 2013 which requires the City to develop a Long-Term Control Plan (LTCP) update that complies with the TDML requirements, to submit the plan by August 2016, and to implement the plan no later than 2035.

In order to comply with the August 2013 permit, the City must perform a number of activities, including the Long Term Control Plan update. The Long Term Control Plan update is a detailed study of combined sewer control alternatives, their financial costs, and a schedule that is acceptable to Virginia Department of Environmental Quality.

Approval and implementation of this plan will enhance the ecological integrity of waterways by maintaining and improving storm water and sanitary infrastructure and stream system health to minimize environmental impacts.

Funding also ensures compliance with Commonwealth and Federal statutes and permits, and will continue to improve the City's combined sewer system.

(Continued on next page)

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Sustain the natural quality of land within the City

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- Consistent with the Eco-City Charter and Eco-City Action Plan 2030, adopted by City Council June 2008 and June 2009 respectively
- T&ES Strategic Plan: Key Result Area – Meet or exceed state and federal requirements of the City's MS4 and combined sewer permits
- 2013 Sanitary Sewer Master Plan

Additional Operating Budget Impact

Unknown at this time. Additional operating impacts will be identified as new infrastructure is installed.

Combined Sewer System (CSS) Permit Compliance (Continued)

Project Description and Justification (Continued)

For the City to stay in compliance with the 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. The estimated total cost of mitigation of these overflows can range as high as $200 million - $300 million and depends on the type and mix of technologies implemented.

Through the ongoing update to the City's Long Term Control Plan for the CSS, an alternatives analysis is being conducted that will result in a recommended plan and projects to comply with the regulatory requirements. Only after completion of the Long Term Control Plan Update – scheduled for submission to the Virginia Department of Environmental Quality in August 2016 – and after their subsequent approval, will the schedule for the recommended projects and the costs associated with these projects become more certain. In the current permit cycle (2013-2018), the City is 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 sewer separation projects. The City will also need to continue extensive monitoring, sampling, inspections, and reporting. This budget reflects the anticipated costs of improvements over the next five years only. Costs of improvements required for implementing the approved updated Long Term Control Plan (beyond FY 2019) have not yet been fully identified and are not included in the ten-year CIP.

Reconstruction and Extension of Sanitary Sewers

Document Subsection: Sanitary Sewers
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 53411872

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: 50 years

Reconstruction and Extension of Sanitary Sewers													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2025	Total FY 2017-2026
Expenditure Budget	20,892,959	*11,892,959*	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 Sewer	5,673,708	*1,173,708*	0	500,000	400,000	400,000	800,000	400,000	400,000	800,000	400,000	400,000	4,500,000
Sanitary Sewer Fees	15,219,251	*10,719,251*	900,000	400,000	500,000	500,000	100,000	500,000	500,000	100,000	500,000	500,000	4,500,000
Total Financing Plan	20,892,959	*11,892,959*	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													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes from prior year CIP.

Project Description & Justification

This project provides for the construction of new sewer mains and 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. This is an essential infrastructure project.

Prior year balances along with additional annual funding in FY 2017 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 tentatively scheduled for construction in FY2017 include:

- Pendleton Streets manhole additions
- Beauregard Street Sanitary Sewer Construction (included with King & Beauregard street intersection improvement project)
- North Alfred Sewer Replacement
- Wheeler Avenue Sewer Replacement
- Lucky Run Exposed Sewer Protection
- Holmes Run Exposed Sewer Protection
- Sewer lining projects based on annual CCTV contract

Completion of these projects improves the City's sanitary sewer infrastructure while reducing the frequency of unplanned repairs due to deferred maintenance.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Sustain the natural quality of land within the City

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- 2013 Sanitary Sewer Master Plan

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Wet Weather Management Facility

Document Subsection: Sanitary Sewers
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Near the AlexRenew Facility
Reporting Area: Southwest Quadrant
Project Category: 3 – New Facilities
Estimated Useful Life: 20+ years

Wet Weather Management Facility													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2025	Total FY 2017-2026
Expenditure Budget	22,250,000	*2,250,000*	0	2,250,000	8,750,000	9,000,000	0	0	0	0	0	0	20,000,000
Financing Plan													
GO Bonds - Sanitary Sewer	22,100,000	*2,100,000*	0	2,250,000	8,750,000	9,000,000	0	0	0	0	0	0	20,000,000
Sanitary Sewer Fees	150,000	*150,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	22,250,000	*2,250,000*	0	2,250,000	8,750,000	9,000,000	0	0	0	0	0	0	20,000,000
Additional Operating Impact													
Annual Impact			0	0	0	0	309,000	318,270	327,818	337,653	347,782	358,216	1,998,739
Cumulative Impact			0	0	0	0	309,000	627,270	955,088	1,292,741	1,640,523	1,998,739	1,998,739

Changes from Prior Year CIP: Funding pushed back to FY 2018 - FY 2020, from FY 2017 - FY 2019.

Project Description & Justification

During periods of extreme wet weather, stormwater enters the City's sanitary sewer collection system. This has the potential to lead to sewer back-ups in homes and businesses throughout the City. In addition, wet weather flows in the sewer can cause sanitary sewer overflows (SSOs), where raw sewage is discharged to receiving waters before being treated. Due to a combination of wet weather flow and forecasted growth in the City (and Fairfax County), there is concern that the number of SSOs in the future will increase and create an additional potential for sewer back-ups.

A study was completed in 2010 (and updated in 2012) which recommended a wet weather management facility to mitigate SSOs and basement back-ups. The facility also would reduce the occurrence of combined sewer overflows (CSOs) from Outfall 004. The wet weather management facility includes the following components: increasing the flow at the AlexRenew plant from 108 to 116 million gallons per day (through primary treatment), relocation of Outfall 004 from Duke Street to just outside the AlexRenew plant, construction of a 500,000 gallon storage tunnel, and wet weather pumping to reduce the surcharging in the interceptor sewers to prevent back-ups.

The total project cost is estimated to be $33.6 million (2012 dollars), and it is anticipated that the costs for this facility would be shared between Fairfax County and the City.

This project provides a number of benefits including reducing sanitary sewer backups into homes and business while reducing the impact that sanitary sewer that SSOs and CSOs have on the environment.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Sustain the natural quality of land within the City

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- 2013 Sanitary Sewer Master Plan

Additional Operating Budget Impact

The annual operating and maintenance costs associated with the facility include electricity costs associated with the wet weather pumping, labor and equipment rental for the tunnel cleaning and inspection, and equipment replacement costs. The operating costs are assumed to be shared with Fairfax County, with the City being responsible for 50 percent of the costs.

Combined Sewer Separation Projects

Document Subsection: Sanitary Sewers
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 53411876

Project Location: Old Town CSO Area
Reporting Area: Old Town/Old Town North/ Braddock Road Metro
Project Category: 3 – New Facilities
Estimated Useful Life: 50 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2025	Total FY 2017-2026
Expenditure Budget	6,625,000	*3,225,000*	700,000	300,000	200,000	200,000	600,000	200,000	200,000	600,000	200,000	200,000	3,400,000
Financing Plan													
Sanitary Sewer Fees	6,325,000	*2,925,000*	700,000	300,000	200,000	200,000	600,000	200,000	200,000	600,000	200,000	200,000	3,400,000
Total Financing Plan	6,325,000	*2,925,000*	700,000	300,000	200,000	200,000	600,000	200,000	200,000	600,000	200,000	200,000	3,400,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added in FY 2026. Funding in the amount of $300,000 moved from FY 2018 to FY 2017.

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 in a few blocks 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 Yards Trunk Sewer, which was designed to accommodate separated sanitary flow from this area. Field investigations were conducted to collect survey data, confirm sewer connectivity, and provide sewer separation recommendations and planning level design and construction costs. This project (Payne and Fayette Sewer Separation Project) is currently under construction. The project area is bounded by N Payne Street, N Fayette Street, Oronoco Street and Cameron Street. This project will meet one of the requirements of the City's Combined Sewer System permit that requires the separation of at least 60 sanitary laterals from the Combined Sewer System.

This project will provide water quality benefits in that the separation of sanitary sewers in the combined area will decrease the bacteria loading into Hooff's Run during rain events.

The City is currently in the process of identifying other areas of opportunity for sewer separation. Once these areas are identified, staff will move forward with field evaluation, design and construction phases for the next project.

(Continued on next page)

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Sustain the natural quality of land within the City

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- Consistent with the Eco-City Charter and Eco-City Action Plan 2030, adopted by City Council June 2008 and June 2009 respectively
- T&ES Strategic Plan: Key Result Area – Meet or exceed state and federal requirements of the City's MS4 and combined sewer permits
- 2013 Sanitary Sewer Master Plan

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Combined Sewer Separation Projects (Continued)

Project Description and Justification (Continued)

For the City to stay in compliance with the 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. The estimated total cost of mitigation of these overflows can range as high as $200 million - $300 million and depends on the type and mix of technologies implemented.

Through the ongoing update to the City's Long Term Control Plan for the CSS, an alternatives analysis is being conducted that will result in a recommended plan and projects to comply with the regulatory requirements. Only after completion of the Long Term Control Plan Update – scheduled for submission to the Virginia Department of Environmental Quality in August 2016 – and after their subsequent approval, will the schedule for the recommended projects and the costs associated with these projects become more certain. In the current permit cycle (2013-2018), the City is 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 sewer separation projects. The City will also need to continue extensive monitoring, sampling, inspections, and reporting. This budget reflects the anticipated costs of improvements over the next five years only. Costs of improvements required for implementing the approved updated Long Term Control Plan (beyond FY 2019) have not yet been fully identified and are not included in the ten-year CIP.

Citywide Sewershed Infiltration and Inflow

Document Subsection: Sanitary Sewers
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 53411864

Project Location: Citywide
Reporting Area: Citywide
Project Category: 2 – Renovations/Existing Assets
Estimated Useful Life: 40 years

Citywide Sewershed Infiltration and Inflow													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2025	Total FY 2017-2026
Expenditure Budget	35,161,440	*19,861,440*	0	3,000,000	2,375,000	3,075,000	2,850,000	4,000,000	0	0	0	0	15,300,000
Financing Plan													
GO Bonds - Sanitary Sewer	31,050,000	*15,750,000*	0	3,000,000	2,375,000	3,075,000	2,850,000	4,000,000	0	0	0	0	15,300,000
Sanitary Sewer Fees	4,111,440	*4,111,440*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	35,161,440	*19,861,440*	0	3,000,000	2,375,000	3,075,000	2,850,000	4,000,000	0	0	0	0	15,300,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding pushed back to FY 2018 - FY 2022, from FY 2017 - FY 2021.

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.

During FY 2016, ongoing 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, continued and construction will be completed in FY 2017. Following completion of the rehabilitation projects, post-construction flow monitoring will be conducted 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Sustain the natural quality of land within the City

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- 2013 Sanitary Sewer Master Plan

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Sewer Assessment and Rehabilitation

Document Subsection: Sanitary Sewers
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Old Town CSO area
Reporting Area: Citywide
Project Category: 2 – Renovations/Existing Assets
Estimated Useful Life: Varies

Sewer Assessment & Rehabilitation													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2025	Total FY 2017-2026
Expenditure Budget	8,800,000	*0*	0	0	3,700,000	2,550,000	2,550,000	0	0	0	0	0	8,800,000
Financing Plan													
GO Bonds	4,400,000	*0*	0	0	1,850,000	1,275,000	1,275,000	0	0	0	0	0	4,400,000
GO Bonds - Sanitary Sewer	4,400,000	*0*	0	0	1,850,000	1,275,000	1,275,000	0	0	0	0	0	4,400,000
Total Financing Plan	8,800,000	*0*	0	0	3,700,000	2,550,000	2,550,000	0	0	0	0	0	8,800,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0
Changes from Prior Year CIP: No changes from prior year CIP.													

Project Description & Justification

This project provides funding from both the Sanitary Sewer and General Fund for the condition assessment of all of the sewers (sanitary, storm, combined) 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 of the 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.

Funding is not planned until FY 2019, and totals $8.8 million with 50% coming from the Sanitary Sewer Fund and 50% from City funds.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Sustain the natural quality of land within the City

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- 2013 Sanitary Sewer Master Plan

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

AlexRenew Wastewater Treatment Plant Capacity

Document Subsection: Sanitary Sewers
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: 1500 Eisenhower Ave.
Reporting Area: Southwest Quadrant
Project Category: 3 – New Facilities
Estimated Useful Life: 20+ 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2025	Total FY 2017-2026
Expenditure Budget	34,220,000	*0*	0	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	34,220,000
Financing Plan													
GO Bonds - Sanitary Sewer	34,220,000	*0*	0	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	34,220,000
Total Financing Plan	34,220,000	*0*	0	0	0	11,070,000	11,400,000	11,750,000	0	0	0	0	34,220,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year 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 incrementally 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 $34.22 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 loadings 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. With the hydraulic expansion, the agreements between the City and AlexRenew and AlexRenew and Fairfax County would have to be renegotiated.

Another option for an additional 4 mgd is to purchase 4 mgd of wastewater treatment capacity from Fairfax County at AlexRenew, estimated to be approximately $56.0 million (2011 dollars). This option would not require any offset of nutrient loadings since the design flow at AlexRenew wouldn't change, but the City may be expected by Fairfax County to finance the entire $56.0 million now for capacity the City will not need for 30 years. Additionally, this option is contingent on Fairfax County acquiring additional treatment plant capacity at DC Water Blue Plains facility. The City will be continuing discussions with Fairfax County concerning this option, including if this expansion will be necessary in the current planned time frame.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Increase the value of the real estate tax base
- Ensure Alexandria supports, retains, and attracts businesses

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- 2013 Sanitary Sewer Master Plan

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

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STORMWATER MANAGEMENT

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Stormwater Management
Proposed FY 2017 – 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Stormwater Management											
Stormwater Management											
Cameron Station Pond Retrofit	625,000	625,000	0	0	0	0	0	0	0	0	1,250,000
City Facilities Stormwater Best Management Practices (BMPs)	0	500,000	1,133,000	0	0	0	0	0	0	0	1,633,000
Four Mile Run Channel Maintenance	0	600,000	0	0	0	0	600,000	0	0	0	1,200,000
Ft. Ward Stormwater	0	0	0	0	0	0	0	0	0	0	0
Green Infrastructure in CSO Areas	0	0	0	0	0	0	0	0	0	0	0
Lake Cook Stormwater Management	812,000	0	0	0	0	0	0	0	0	0	812,000
MS4-TMDL Compliance Water Quality Imprv.	0	0	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	34,500,000
NPDES / MS4 Permit	0	0	0	0	0	0	0	0	0	0	0
Storm Sewer Capacity Assessment	0	0	0	475,000	475,000	0	0	0	0	0	950,000
Storm Sewer System Spot Improvements	0	151,474	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,551,474
Stormwater Utility Study (Capitalized Position FY 17-18)	144,200	148,526	0	0	0	0	0	0	0	0	292,726
Stream & Channel Maintenance	750,000	850,000	1,200,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	5,950,000
Total	2,331,200	2,875,000	3,133,000	4,225,000	4,225,000	4,250,000	4,850,000	7,750,000	7,750,000	7,750,000	49,139,200

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Ft. Ward Stormwater

Document Subsection: Stormwater Management
Managing Department: Transportation & Environmental Services
Supporting Department(s): Recreation, Parks & Cultural Activities, Historic Alexandria
ORG: 52412157

Project Location: 4301 West Braddock Rd.
Reporting Area: Seminary Hill
Project Category: 3 – New Facilities
Estimated Useful Life: 25 years

Ft. Ward Stormwater													
	A (B+M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	585,000	585,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City & Stormwater Funding	585,000	585,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	585,000	585,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

Fort Ward Park is the best preserved of the system of Union forts and batteries built to protect Washington, DC during the American Civil War (1861-1865). This site receives drainage from the adjacent Marlboro Estates subdivision built in the late 1970's, Episcopal High School property, and from the adjacent Braddock Road area. Over time, due to changes in grading and overland drainage patterns, erosion has occurred in the park and in the adjacent Oakland Baptist Church cemetery. Additionally, the stream in the park is showing signs of erosion and degradation. Property owners at the bottom of the park are experiencing flooding. In calendar year 2011, an interim drainage system was installed to protect the Oakland Baptist Church Cemetery from further soil erosion and flooding due to stormwater runoff.

The scope of work includes studying the existing drainage infrastructure in Fort Ward Park and making recommendations for improvements as well as the construction of those recommended improvements. This project will be informed by, and will be required to coordinate, planning and construction activities with ongoing OHA archaeological investigations and discoveries.

A drainage master plan was completed in July 2014 and included recommendations to divert drainage away from the cemetery, install BMPs to threat the stormwater from the roadway drainage, and restore the stream that runs through the park. Sufficient funding is provided to complete the first two recommendations. The master plan will be the basis for design of the improvement which began in FY 2016. The drainage master plan is included in the adopted Ft. Ward Park and Museum Area Management Plan.

Environmental benefits achieved by the completion of recommended improvements include overland flow improvements, erosion protection, and improved water quality, all of which will improve the natural quality of the land in the project area.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City
- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- 2015 Fort Ward Park and Museum Area Management Plan
- Budget Memorandum #46, April 8, 2011 (FY 2012)

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

NPDES / Municipal Separate Storm Sewer System (MS4) Permit Program

Document Subsection: Stormwater Management
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 52411860

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City & Stormwater Funding	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	350,000	350,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project provides for the data collection, reporting activities, public education, outreach, involvement and citizen participation associated with implementation of the programs required by the National Pollution Discharge Elimination System (NPDES) permit regulations that are administered currently by the Virginia Department of Conservation and Recreation (DCR) through the Virginia Stormwater Management Program (VSMP) General Permit for Discharges of Storm Water from Municipal Separate Storm Sewer Systems (MS4) per 4VAC50-60 et. seq.

The permit requires the City to develop, implement and enforce our 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. The currently Approved five-year permit is scheduled to be effective through June 30, 2018. Each successive permit has contained more regulatory requirements which necessitate more resources. The new permit is no exception.

The new permit regulations require more public education and outreach, increased staff training, creation of new Total Maximum Daily Load (TMDL) plans and SOPs for daily operations, enhanced inspections, greater data collection, and additional reporting. The new permit also contains stringent requirements to meet the recent Chesapeake Bay TMDL for nutrients and sediment, as well as other TMDLs that have been developed for local surface waters.

This project maintains the City's compliance with regulatory permits, while developing and enhancing the MS4 program. Planned capital projects required by the permit /C-Bay TMDLs are budgeted separately as separate specific projects under "Stormwater Management" section of the CIP.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- Consistent with the Eco-City Charter and Eco-City Action Plan 2030, adopted by City Council June 2008 and June 2009 respectively

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Four Mile Run Channel Maintenance

Document Subsection: Stormwater Management
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 43411623

Project Location: Four Mile Run Stream/Channel
Reporting Area: Potomac West
Project Category: 2 – Renovations/Existing Assets
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	3,293,000	2,093,000	0	600,000	0	0	0	0	600,000	0	0	0	1,200,000
Financing Plan													
Prior Year City Funding	2,093,000	2,093,000											0
Cash Capital	1,200,000	0	0	600,000	0	0	0	0	600,000	0	0	0	1,200,000
Total Financing Plan	3,293,000	2,093,000	0	600,000	0	0	0	0	600,000	0	0	0	1,200,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0
Changes from Prior Year CIP: No changes from prior year 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 U.S. Army Corps of Engineers 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 the Corps 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.

To date, $2.093 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. Levee/flood wall maintenance remains the responsibility of the jurisdiction where the levee/wall is located.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City
- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure government is accountable to the community

Focus Area: Safe, Secure, & Just Community
- Reduce harm to people or property from disasters

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Storm Sewer Capacity Assessment

Document Subsection: Stormwater Management
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: 52411851

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated Useful Life: N/A

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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	950,000	0	0	0	0	475,000	475,000	0	0	0	0	0	950,000
Financing Plan													
Prior City & Stormwater Funding	0	0											0
Cash Capital	950,000	0	0	0	0	475,000	475,000	0	0	0	0	0	950,000
Total Financing Plan	950,000	0	0	0	0	475,000	475,000	0	0	0	0	0	950,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0
Changes from Prior Year CIP: No changes from prior year 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 inch diameter or greater. This study is budgeted as a response to several large magnitude storms in 2003 and 2006 that caused flooding in low-lying areas of the City.

The analysis and assessment will look at reducing flooding in problem areas by employing a variety of technologies including "Green Infrastructure" such as: rain gardens, infiltration swales, planter boxes, tree canopy and infiltration wells, pervious pavement, gutters, and sidewalks, street/alley retrofits into "green streets," rain barrels and cisterns, green roofs, etc. It is anticipated that completion of this project will result in some recommended improvements to the City storm sewer system. These future projects will be funded through the Storm Sewer System Spot Improvements project as funding becomes available.

As of February 2016, the project has 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 will be received by the end of FY 2016. Funding planned in FY 2020 will provide for updated analysis and flow modeling.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Green Infrastructure in Combined Sewer Overflow (CSO) Areas

Document Subsection: Stormwater Management
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Old Town/Old Town North/ Braddock Road Metro
Project Category: 3 – New Facilities
Estimated Useful Life: Varies

Green Infrastructure in CSO Areas													
	A (B+M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	1,500,000	1,500,000	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
Sanitary Sewer Fees	750,000	750,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,500,000	1,500,000	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957	17,196
Cumulative Impact			1,500	3,045	4,636	6,275	7,964	9,703	11,494	13,339	15,239	17,196	17,196

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project provides funding from both the sanitary sewer and storm sewer funds for study, design, and construction of at least two green infrastructure demonstration projects in the combined sewer area. Green infrastructure projects will include "green alleys." Completion of these projects will provide the following benefits: increasing stormwater infiltration, reducing stormwater into the combined sewer system (CSS), providing stormwater treatment (nutrients), and decreasing the volume of combined sewer overflow (CSO) discharges. The City's renewed permit of CSS requires a reduction of five million gallons of stormwater over the next five years. This project will provide infrastructure to help the City comply with this requirement.

For the City to stay in compliance with the 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. Total cost of mitigation of these overflows can range as high as $200 million - $300 million and depends on the type and mix of technologies that get implemented.

Through the ongoing update to the City's Long Term Control Plan for the CSS, an alternatives analysis is being conducted that will result in a recommended plan and projects to comply with the regulatory requirements. Only after completion of the Long Term Control Plan Update, due to the Virginia Department of Environmental Quality in August 2016, and their subsequent approval, will the costs of the resulting projects and implementation schedule become more certain.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

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
- 2013 Sanitary Sewer Master Plan

Additional Operating Budget Impact

Additional operating costs for a green alley and a bioretention facility will be approximately $750 each annually for maintenance ($1,500 total in FY2017). Maintenance of a green alley includes vacuuming of sediments from the permeable pavement 3-4 times per year.

Stream and Channel Maintenance

Document Subsection: Stormwater Management
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 43411609

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	12,169,584	6,219,584	750,000	850,000	1,200,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	5,950,000
Financing Plan													
Prior City & Stormwater Funding	6,219,584	6,219,584											0
Cash Capital	2,575,000	0	200,000	250,000	550,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	2,575,000
GO Bonds	3,225,000	0	400,000	600,000	650,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	3,225,000
Prior Year/Close-Out	150,000	0	150,000	0	0	0	0	0	0	0	0	0	150,000
Total Financing Plan	12,169,584	6,219,584	750,000	850,000	1,200,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	5,950,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding reduced by $500,000 in FY 2017 to create available funding for the Oronoco Outfall Remediation Project. Funding added for FY 2026, otherwise no change from prior CIP.

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 year balances will be utilized to mitigate damages caused by Tropical Storm Lee, with specific projects to be completed including:

- Cameron Run Weirs #2, #3, #4, and #5 repairs; (FY2016)
- Backlick Run S-Curve repairs; (FY2016)
- Backlick Run Flume Outlet repairs. (FY2016)
- Cameron Run Sediment Removal

These projects may be eligible for up to 75% reimbursement from the Federal Emergency Management Agency, and City staff will pursue reimbursement as work is completed.

Continued urbanization in the City and in Fairfax County over the years has put excessive stress on the vitality of natural streams throughout the City. This has caused erosion, loss of natural habitat 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. Having access to healthy, thriving natural areas provides opportunities for people to connect with the natural world and improves the overall well-being of communities.

Prior to moving ahead with restoration projects originally planned for FY2016 and FY2017, a citywide stream study is being proposed (FY 2016/2017) which will help the City to develop overall strategy to deal with degraded streams and will assist in prioritizing the projects. FY 2018/2019 funding will be used to carry out design and construction of the top priority projects.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City
- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government
- Ensure government is accountable to the community

Focus Area: Safe, Secure, & Just Community
- Reduce harm to people or property from disasters

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Stormwater Utility Study

Document Subsection: Stormwater Management
Managing Department: Transportation & Environmental Services
Supporting Department(s): Office of Management and Budget
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: N/A

Stormwater Utility Study													
	A (B+M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	932,726	640,000	144,200	148,526	0	0	0	0	0	0	0	0	292,726
Financing Plan													
Cash Capital	932,726	640,000	144,200	148,526	0	0	0	0	0	0	0	0	292,726
Total Financing Plan	932,726	640,000	144,200	148,526	0	0	0	0	0	0	0	0	292,726
Additional Operating Impact													
Annual Impact			0	0	152,982	157,571	162,299	167,168	172,183	177,348	182,669	188,149	1,360,367
Cumulative Impact			0	0	152,982	310,553	472,852	640,020	812,202	989,550	1,172,219	1,360,367	1,360,367

Changes from Prior Year CIP: Funding added for FY 2017 and FY 2018.

Project Description & Justification

Several stormwater capital projects identified and funded in approved CIP over next 10 years are for the City to be able to comply with C-Bay Total Maximum Daily Loads (TMDL) requirements (regulatory compliance). The projects driven by new mandates are over and above the existing level of service. The Existing stormwater management program is funded by general funds and the dedicated 0.5 cents on the real estate tax rate exclusively for stormwater.

Stormwater Utility Study Phase I will be conducted in FY2016 to explore stormwater utility for sustainable and equitable funding of stormwater programs. This study will update the needs analysis from 2009, define the services that could be covered by the utility, and study their level and costs, both current and in future. In addition, billing units will be developed. There will be an extensive and robust public engagement process as this phase is being executed.

Phase II of the study would include exploration of the following topics:

- Billing methods frequency;
- Billing systems; and
- Stormwater credit policies

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure the fiscal strength of City government
- Ensure government is accountable to the community

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- Consistent with the Eco-City Charter and Eco-City Action Plan 2030, adopted by City Council June 2008 and June 2009 respectively
- T&ES Strategic Plan: Key Result Area – Meet or exceed state and federal requirements of the City's MS4 and combined sewer permits
- Stormwater Utility staff presentation to City Council December 10, 2014

Additional Operating Budget Impact

An additional 3.0 FTEs are being requested in FY2017 operating budget to conduct portions of the Stormwater Utility Study. Costs of the positions are shown in the additional operating impact section.

MS4 / Total Maximum Daily Load (TMDL) Compliance Water Quality Improvements

Document Subsection: Stormwater Management
Managing Department: Transportation & Environmental Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: 50+ years

MS4-TMDL Compliance Water Quality Improvements													
	A (B+M)	B	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	35,000,000	500,000	0	0	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	34,500,000
Financing Plan													
Cash Capital	12,070,000	500,000	0	0	250,000	750,000	700,000	750,000	750,000	2,750,000	2,810,000	2,810,000	11,570,000
GO Bonds	22,930,000	0	0	0	250,000	2,250,000	2,300,000	2,750,000	2,750,000	4,250,000	4,190,000	4,190,000	22,930,000
Total Financing Plan	35,000,000	500,000	0	0	500,000	3,000,000	3,000,000	3,500,000	3,500,000	7,000,000	7,000,000	7,000,000	34,500,000
Additional Operating Impact													0
Annual Impact			0	0	50,000	51,500	53,045	100,000	103,000	150,000	154,500	159,135	821,180
Cumulative Impact			0	0	50,000	101,500	154,545	254,545	357,545	507,545	662,045	821,180	821,180

Changes from Prior Year CIP: Funding added for FY 2026 and funding eliminated in FY 2017 and FY 2018.

Project Description & Justification

The Virginia Department of Environmental Quality (VDEQ) issued the City's new Municipal Separate Storm Sewer System (MS4) Permit on July 1, 2013 that specifies and imposes City-specific stormwater nutrients and sediment reduction targets for the Chesapeake Bay (C-Bay) Total Maximum Daily Load (TMDL) through the permit. Accordingly, the new permit requires the City to implement practices sufficient to achieve 5% of the reduction targets during first 5-year permit (2013-2018) and 40% of reduction targets by the end of the 10-year period (2023).

The City has been discussing the options available to comply with these targets through Stormwater Steering Committee and Stormwater Workgroup. Additionally, the City completed the Chesapeake Bay TMDL Compliance Analysis and Options (Analysis) report that looked into options and alternatives for treating stormwater and corresponding costs. As the specific projects to achieve these reductions are being discussed and developed, 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 these regional facilities, stormwater quality retrofits of City facilities and ROW will be required to meet the reductions. The budgetary estimates were developed with engineers from the firms conducting the Chesapeake Bay TMDL Compliance Analysis and Options Study. Please note that funding requests, along with the inclusion of the Lake Cook, Cameron Station Pond Retrofit and City Facilities BMP projects will likely satisfy the first permit cycle (2013 - 2018 permit). For FY 2019 and beyond, estimates are provided based on staff's best professional judgment and may need to be revised as the 2018 permit requirements and as the regulators' expectations become clearer.

(Continued on next page)

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- Consistent with the Eco-City Charter and Eco-City Action Plan 2030, adopted by City Council June 2008 and June 2009 respectively
- T&ES Strategic Plan: Key Result Area – Meet or exceed state and federal requirements of the City's MS4 and combined sewer permits

Additional Operating Budget Impact

Operating impact is 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, a more rigorous inspection and maintenance program will need to be implemented for the City to continue to get reduction credits from the implemented practices.

MS4 / Total Daily Maximum Load (TMDL) Compliance Water Quality Improvements (Continued)

Project Description and Justification (Continued)

This is primarily because of new regulatory requirements of Chesapeake Bay TMDLs for nutrients and sediments, bacteria TMDLs for Hunting Creek, and Four Mile Run. Total cost of compliance and mitigation for FY 2017 – 2026 may range as high as $50 million and depends on the type and mix of technologies implemented. The cost of compliance beyond 2023 (i.e. FY 2026 – 2033) may be an additional $100 million.

Storm Sewer System Spot Improvements

Document Subsection: Stormwater Management
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: 52411855

Project Location: Citywide
Reporting Area: Citywide
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	10,211,695	7,660,221	0	151,474	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,551,474
Financing Plan													
Prior City & Stormwater Funding	7,660,221	7,660,221											0
GO Bonds	2,551,474	0	0	151,474	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,551,474
Total Financing Plan	10,211,695	7,660,221	0	151,474	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,551,474
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding eliminated in FY 2017 and reduced by approximately $150,000 in FY 2018. Funding added for FY 2026.

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 need additional capacity to reduce flooding.

Prior year project balances will be utilized for projects listed on the next page.

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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Storm Sewer System Spot Improvements (Continued)

Current Storm Sewer Spot Improvement Projects

Project	Description	Status
DASH Facility Stormwater Outfall	This project includes design and construction of stormwater management system to prevent flooding. The original concept to improve the outfall across railroad ROW was deemed not feasible because of constructability issues. Alternatives being evaluated include providing detention storage with appropriate overland relief.	Currently conducting alternatives evaluation.
Bishop Lane Drainage Improvement	Flooding/ponding in the street. Alternative being studied includes green technology such as bioretention filter because of lack of availability of sewer nearby.	Design/evaluation in progress.
Drainage Improvements 600 Block N Columbus Street	Remediate localized flooding/ponding. Alternatives being evaluated include green infrastructure.	Alternative evaluation FY2015. Design and construction FY2016/FY2017.

Lake Cook Stormwater Management

Document Subsection: Stormwater Management
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: TBD

Project Location: Eisenhower Avenue
Reporting Area: Seminary Hill
Project Category: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	3,512,000	2,700,000	812,000	0	0	0	0	0	0	0	0	0	812,000
Financing Plan													
Prior City Funding	1,500,000	1,500,000											0
Stormwater Local Asst. Fund	1,200,000	1,200,000	0	0	0	0	0	0	0	0	0	0	0
Cash Capital	812,000	0	812,000	0	0	0	0	0	0	0	0	0	812,000
Total Financing Plan	3,512,000	2,700,000	812,000	0	0	0	0	0	0	0	0	0	812,000
Additional Operating Impact													
Annual Impact			0	100,000	103,000	106,090	109,273	112,551	115,927	119,405	122,987	126,677	1,015,911
Cumulative Impact			0	100,000	203,000	309,090	418,363	530,914	646,841	766,246	889,234	1,015,911	1,015,911

Changes from Prior Year CIP: Funding added for FY 2017, otherwise no changes from prior CIP.

Project Description & Justification

The Virginia Department of Environmental Quality (VDEQ) issued the City's new Municipal Separate Storm Sewer System (MS4) Permit on July 1, 2013 that specifies and imposes City-specific stormwater nutrients and sediment reduction targets for the Chesapeake Bay (C-Bay) Total Maximum Daily Load (TMDL) through the permit. Accordingly, the new permit requires the City to implement practices sufficient to achieve 5% of the reduction targets during first 5-year permit (2013-2018) and 40% of reduction targets by the end of the 10-year period (2023).

Retrofits to existing large regional stormwater facilities will provide additional pollutant removal either by enhancing the treatment efficiency and/or in combination to 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 a Stormwater Steering Committee and Stormwater 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.

In order to capitalize on an opportunity available to seek a stormwater improvements grant, the City pursued and received $1.2 million 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, including approximately 100 impervious acres and is expected to meet approximately 10% 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- Consistent with the Eco-City Charter and Eco-City Action Plan 2030, adopted by City Council June 2008 and June 2009 respectively
- T&ES Strategic Plan: Key Result Area – Meet or exceed state and federal requirements of the City's MS4 and combined sewer permits

Additional Operating Budget Impact

Average operational costs based on published studies of such facilities with enhanced amenities and visibility are estimated at $100,000 annually beginning in FY 2018, with a three percent annual inflation factor included each year thereafter.

Cameron Station Pond Retrofit

Document Subsection: Stormwater Management
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: TBD

Project Location: Cameron Station
Reporting Area: Landmark/Van Dorn
Project Category: 3 – New Facilities
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	3,500,000	2,250,000	625,000	625,000	0	0	0	0	0	0	0	0	1,250,000
Financing Plan													
GO Bonds	1,750,000	500,000	625,000	625,000	0	0	0	0	0	0	0	0	1,250,000
Stormwater Local Asst. Fund	1,750,000	1,750,000	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	3,500,000	2,250,000	625,000	625,000	0	0	0	0	0	0	0	0	1,250,000
Additional Operating Impact													
Annual Impact			0	0	0	135,000	139,050	143,222	147,518	151,944	156,502	161,197	1,034,432
Cumulative Impact			0	0	0	135,000	274,050	417,272	564,790	716,733	873,235	1,034,432	1,034,432

Changes from Prior Year CIP: No changes from prior CIP.

Project Description & Justification

Virginia Department of Environmental Quality (VDEQ) issued the City's new Municipal Separate Storm Sewer System (MS4) Permit on July 1, 2013 that specifies and imposes City-specific stormwater nutrients and sediment reduction targets for the Chesapeake Bay (C-Bay) Total Maximum Daily Load (TMDL) through the permit. Accordingly, the new permit requires the City to implement practices sufficient to achieve 5% of the reduction targets during first 5-year permit (2013-2018) and 40% of reduction targets by the end of the 10-year period (2023).

Retrofits to existing large regional stormwater facilities will provide additional pollutant removal either by enhancing the treatment efficiency and/or in combination to 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 a Stormwater Steering Committee and Stormwater 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.

In FY 2015, City staff pursued and received $1.75 million in a grant from the Stormwater Local Assistance Fund by leveraging an equivalent amount of funding from this project. This reduced the City funded contribution to this project by half of the original budgeted amount.

A Cameron Station Pond Retrofit is a cost effective strategy to meet 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 than it is currently.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- Consistent with the Eco-City Charter and Eco-City Action Plan 2030, adopted by City Council June 2008 and June 2009 respectively
- T&ES Strategic Plan: Key Result Area – Meet or exceed state and federal requirements of the City's MS4 and combined sewer permits

Additional Operating Budget Impact

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
Managing Department: Transportation & Environmental Services
Supporting Department(s): Dept. of Project Implementation
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: 3 – New Facilities
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2024	FY 2026	Total FY 2017-2026
Expenditure Budget	1,633,000	0	0	500,000	1,133,000	0	0	0	0	0	0	0	1,633,000
Financing Plan													
Cash Capital	500,000	0	0	250,000	250,000	0	0	0	0	0	0	0	500,000
GO Bonds	1,133,000	0	0	250,000	883,000	0	0	0	0	0	0	0	1,133,000
Total Financing Plan	1,633,000	0	0	500,000	1,133,000	0	0	0	0	0	0	0	1,633,000
Additional Operating Impact													
Annual Impact			0	0	25,000	25,750	26,523	27,318	28,138	28,982	29,851	30,747	222,308
Cumulative Impact			0	0	25,000	50,750	77,273	104,591	132,728	161,710	191,562	222,308	222,308

Changes from Prior Year CIP: Funding shifted to FY 2018 and FY 2019, from FY 2017 and FY 2018. Overall funding increased slightly.

Project Description & Justification

The Virginia Department of Environmental Quality (VDEQ) issued the City's new Municipal Separate Storm Sewer System (MS4) Permit on July 1, 2013 that specifies and imposes City-specific stormwater nutrients and sediment reduction targets for the Chesapeake Bay (C-Bay) Total Maximum Daily Load (TMDL). Accordingly, the approved permit requires the City to implement practices sufficient to achieve 5% of the reduction targets during the first 5-year permit and 40% of the reduction target by the end of 10-year period.

One of the strategies to meet the identified pollution reduction requirements is by retrofitting existing City properties that currently do not provide stormwater treatment with stormwater facilities to provide the additional pollutant removal. The City has been discussing these and other options available to comply with these targets through a Stormwater Steering Committee and a Stormwater 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.

Working closely with the General Services and Recreation, Parks and Cultural Activities Departments, the following three locations have been identified for stormwater retrofits:

- City maintenance facility at Luckett Field;
- T&ES/Recreation operations at 2900 Business Center Drive; and
- City traffic shop at Colvin Street.

Once completed these retrofits are expected to treat stormwater from a total of approximately 4-8 impervious acres. These sites have been selected because of the facilities operational stormwater impacts and their relatively high percentage of impervious acreage.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Livable, Green, and Prospering City

- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community

External or Internal Adopted Plan or Recommendation

- Consistent with the Eco-City Charter and Eco-City Action Plan 2030, adopted by City Council June 2008 and June 2009 respectively
- T&ES Strategic Plan: Key Result Area – Meet or exceed state and federal requirements of the City's MS4 and combined sewer permits

Additional Operating Budget Impact

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.

OTHER REGIONAL CONTRIBUTIONS

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Other Regional Contributions
Proposed FY 2017 -2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
Other Regional Contributions											
Other Regional Contributions											
Northern Virginia Community College (NVCC)	349,268	385,643	389,500	393,395	397,330	401,303	405,315	409,368	413,463	417,598	3,962,183
Northern Virginia Regional Park Authority (NVRPA)	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	3,869,780
Peumansend Creek Regional Jail	98,506	0	0	0	0	0	0	0	0	0	98,506
Total	834,752	772,621	776,478	780,373	784,308	788,281	792,293	796,346	800,441	804,576	7,930,469

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Northern Virginia Community College (NVCC)

Document Subsection: Regional Contributions
Managing Department: Office of Management & Budget
Supporting Department(s): N/A
ORG: 56871970

Project Location: 3001 N. Beauregard St. (Alexandria Campus)
Reporting Area: Regional
Project Category: 1 – Asset Maintenance
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	7,569,203	*3,607,020*	349,268	385,643	389,500	393,395	397,330	401,303	405,315	409,368	413,463	417,598	3,962,183
Financing Plan													
Prior City Funding	3,266,779	*3,266,779*											0
Cash Capital	4,302,424	*340,241*	349,268	385,643	389,500	393,395	397,330	401,303	405,315	409,368	413,463	417,598	3,962,183
Total Financing Plan	7,569,203	*3,607,020*	349,268	385,643	389,500	393,395	397,330	401,303	405,315	409,368	413,463	417,598	3,962,183
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Slight increase over planned FY 2016 in last year's CIP based on updated population numbers.

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 2017, the City's share of the regional subsidy to NVCC is $349,268, or 6.5% percent of the total local capital request of $5.40 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 2017, 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 2018 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)

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 4 – Children, Youth & Families

Focus Area: Health & Thriving Residents

- Ensure the educational and developmental attainment of all residents

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Northern Virginia Community College (Continued)

Table A: Alexandria Contribution

City of Alexandria NVCC Contribution

Fiscal Year	Population Estimate	Rate Per Capita	Capital Contibution
2017	155,230	$2.25	$349,268
2018	154,257	$2.50	$385,643
2019	155,800	$2.50	$389,500
2020	157,358	$2.50	$393,395
2021	158,932	$2.50	$397,330
2022	160,521	$2.50	$401,303
2023	162,126	$2.50	$405,315
2024	163,747	$2.50	$409,368
2025	165,385	$2.50	$413,463
2026	167,039	$2.50	$417,598

Notes:
• FY 2017 population figures are from the Weldon Cooper Center for Public Service (revised 1/27/2015). FY 2018 - 2026 assume 1% population growth annually.
• Rate per Capita is estimated for FY 2018 and beyond.

Table B: Regional Jurisdiction Contribution

City of Alexandria NVCC Contribution

Jurisdiction	Population Estimate	Rate Per Capita	Capital Contibution
City of Alexandria	155,230	$2.25	$349,268
Arlington County	229,302	$2.25	$515,930
Fairfax City	24,730	$2.25	$55,643
Fairfax County	1,118,884	$2.25	$2,517,489
Falls Church City	13,522	$2.25	$30,425
Loudoun County	361,708	$2.25	$813,843
Manassas City	41,830	$2.25	$94,118
Manassas Park City	15,427	$2.25	$34,711
Prince William County	437,636	$2.25	$984,681
TOTAL	2,398,269		$5,396,106

Northern Virginia Regional Park Authority (NVRPA)

Document Subsection: Regional Contributions
Project Location: 121 N. Fairfax St. (Carlyle House) and 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 – Asset Maintenance
ORG: 44801655
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	9,809,324	5,939,544	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	3,869,780
Financing Plan													
Prior City Funding	5,556,892	*5,556,892*											0
Cash Capital	4,252,432	*382,652*	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	3,869,780
Total Financing Plan	9,809,324	*5,939,544*	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	386,978	3,869,780
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Slight increase over planned FY 2016 in last year's CIP based on updated population numbers.

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 2017 NVRPA capital budget total, the City's share is $386,978.

For FY 2017, the NVRPA Board decided to keep the per capita rate that same as FY 2016, 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 an allocable share of the costs of the park program.

(Continued on next page)

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 2 – Health & Environment

Focus Area: Healthy & Thriving Residents

- Improve City residents' overall health
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Operating support of $284,587 is included as part of the FY 2017 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 Park Authority (Continued)

Chart A: Regional Jurisdiction Contribution

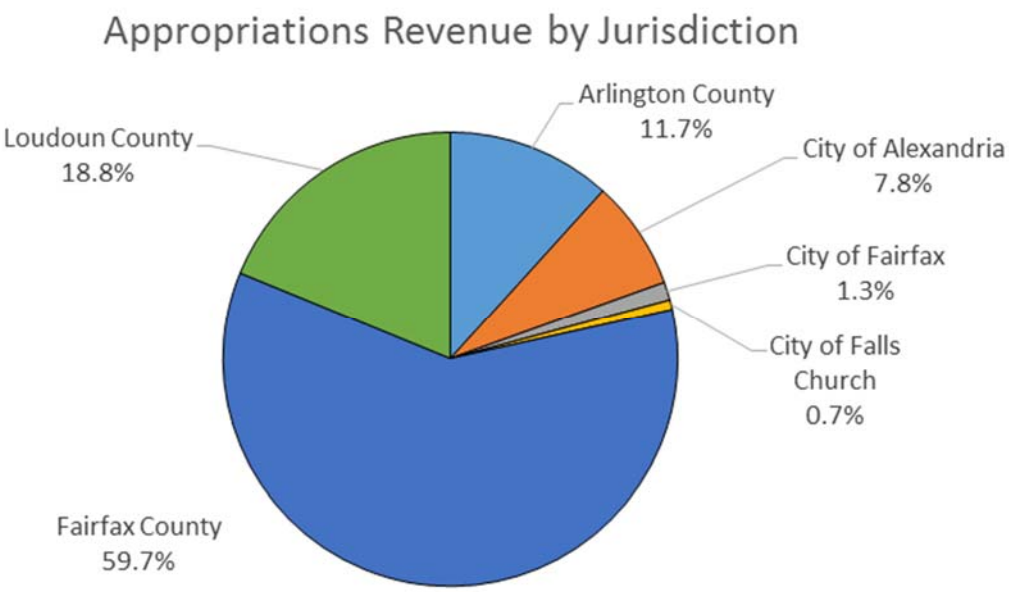

Table B: Regional Jurisdiction Contribution

	2017 Estimated Population	Per Capita Cost	Percent of Total Population	FY 2017 Capital Request
City of Alexandria	150,575	$2.57	7.86%	$386,978
Arlington County	226,908	$2.57	11.84%	$583,154
City of Fairfax	24,483	$2.57	1.28%	$62,921
City of Falls Church	13,601	$2.57	0.71%	$34,955
Fairfax County	1,137,538	$2.57	59.37%	$2,923,473
Loudoun County	363,050	$2.57	18.95%	$933,039
TOTAL	1,916,155		100.00%	$4,924,518

1. For FY 2017, population figures are based on the U.S. Census "Annual Estimates of the Resident Population for Counties of Virginia" as of July 2014, with a release data of April 2015. The Per Capita Cost remains unchanged from FY 2016.
2. The Northern Virginia Community College (NVCC) and NVRPA use different population estimates to allocate contributions.

Peumansend Creek Regional Jail

Document Subsection: Regional Contributions
Managing Department: Office of Management & Budget
Supporting Department(s): Sheriff's Office
ORG: 46341768

Project Location: 11093 SW Lewis Memorial Dr., Bowling Green, VA
Reporting Area: Regional
Project Category: 1 – Asset Maintenance
Estimated Useful Life: Varies

Peumansend Creek Regional Jail													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	3,253,433	*3,154,927*	98,506	0	0	0	0	0	0	0	0	0	98,506
Financing Plan													
Prior City Funding	3,050,842	*3,050,842*											0
Cash Capital	202,591	*104,085*	98,506	0	0	0	0	0	0	0	0	0	98,506
Total Financing Plan	3,253,433	*3,154,927*	98,506	0	0	0	0	0	0	0	0	0	98,506
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP.

Project Description & Justification

This project provides the City's debt service contribution to the Peumansend Creek Regional Jail, a minimum-security facility used to house low-risk, non-violent inmates from six Virginia jurisdictions. The Virginia local governments whose governing bodies have agreed to participate in the regional jail include the Cities of Alexandria and Richmond and the Counties of Arlington, Caroline, Loudoun, and Prince William. The jail was constructed and is operated by the Peumansend Creek Regional Jail Authority, which was established in 1992. The City is a member of this Authority. The facility opened on September 7, 1999 and was built for approximately $27.0 million with 50% of the funding to be reimbursed by the Commonwealth, and 50% from the six localities. Alexandria is allocated 50 beds, or approximately 15% of the 336 beds in the facility.

The facility is located at Fort A.P. Hill, an Army base in Caroline County, Virginia approximately 80 miles south of Washington, D.C. The City's contribution includes the annual debt service payment based on the actual bond issuance in March 1997. The City's share of the capital cost of this facility is estimated at approximately $3.2 million in capital and debt service costs over the 20-year period of debt (1997-2016). For FY 2017, a debt service payment of $98,506 is budgeted. This represents the final debt service payment for Alexandria's portion of the facility's capital cost.

During FY 1989, the Northern Virginia Chief Administrative Officers and Sheriffs' Task Force approved a feasibility study for constructing a regional minimum security facility to hold sentenced inmates from Alexandria and the Counties of Caroline, Fairfax, Arlington, Prince William and Loudoun. In April 1991, the U.S. Congress passed legislation that would provide for the transfer of 150 acres of land at Fort A. P. Hill to Caroline County for the regional jail. On March 10, 1992, City Council approved Alexandria's participation in this regional facility and in September 1994, approved the Service Agreement establishing the financial and operational commitments of the member jurisdictions regarding the design, construction and operation of a 336 bed regional jail. In 1994, the U.S. Congress amended the legislation to extend the date to begin construction of the regional jail from April 1995 to April 1997.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure, & Just Community

- Reduce crime
- Ensure all community members, visitors, and employees are treated justly and fairly under the law

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Operating support of $534,015 is included as part of the FY 2017 operating 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.

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INFORMATION TECHNOLOGY

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Information Technology
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Projects

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
IT Plan											
Document Management											
Document Imaging	0	0	0	0	0	0	0	0	0	0	0
Financial Systems											
Business Tax System/Reciprocity Contractor System	0	0	40,000	375,000	0	0	0	0	0	0	415,000
Employee Pension Administration System	0	300,000	50,000	0	0	0	175,000	25,000	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	0	40,000	460,000	0	0	0	0	60,000	280,000	0	840,000
Phone, Web, Portable Device Payment Portals	240,000	0	0	200,000	0	0	0	0	160,000	0	600,000
Real Estate Account Receivable System	60,000	0	0	0	0	0	0	0	0	800,000	860,000
Real Estate Assessment System (CAMA)	0	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	970,000
Geographic Information Systems											
GIS Development	80,000	100,000	0	100,000	50,000	200,000	0	0	0	0	530,000
Network Services											
AlexStat Software	0	0	0	0	0	0	0	0	0	0	0
Connectivity Initiatives	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,500,000
Data Center Relocation	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	40,000	40,000	40,000	400,000
Enterprise Camera System	50,000	0	0	0	0	0	0	0	0	0	50,000
Enterprise Collaboration	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Enterprise Data Storage Infrastructure	400,000	400,000	200,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Enterprise Service Catalog	100,000	0	0	0	0	0	0	0	0	0	100,000
Information Technology Equipment Replacement	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	3,600,000
Information Technology Lump Sum Funding	0	0	0	250,000	3,395,000	3,265,000	3,687,000	3,155,000	3,130,000	3,200,000	20,082,000
IT Enterprise Management System	0	0	0	0	0	0	0	0	0	0	0
LAN Development	0	50,000	50,000	0	0	0	0	0	0	0	100,000
LAN/WAN Infrastructure	390,000	360,000	360,000	260,000	0	0	0	0	0	0	1,370,000
Municipal Fiber	400,000	TBD	TBD	0	0	0	0	0	0	0	400,000
Network Security	400,000	225,000	225,000	225,000	0	0	0	0	0	0	1,075,000
Network Server Infrastructure	400,000	175,000	175,000	500,000	0	0	0	0	0	0	1,250,000
Remote Access	150,000	150,000	150,000	150,000	75,000	75,000	0	0	0	0	750,000
Upgrade Work Station Operating Systems	280,000	300,000	300,000	200,000	0	0	0	0	0	0	1,080,000
Voice Over Internet Protocol (VoIP)	150,000	350,000	150,000	150,000	0	0	0	0	0	0	800,000

Information Technology
Proposed FY 2017 - 2026 Capital Improvement Program
Summary of Projects (continued)

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

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	TOTAL FY 17-26
IT Plan											
Other System Development Projects											
Application Portfolio Management	0	0	0	100,000	0	0	0	0	0	0	100,000
Electronic Health Records (EHR) Replacement	300,000	0	0	0	0	0	0	0	0	0	300,000
Enterprise Maintenance Mgmt System	130,000	100,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	550,000
HIPAA & Related Health Information Technologies	25,000	25,000	25,000	50,000	25,000	25,000	25,000	25,000	50,000	25,000	300,000
Library Information Technology Equipment Replacement	80,000	0	0	0	0	0	0	0	0	0	80,000
Library Public Access Computers and Print Mgmt System	45,000	0	0	0	0	85,000	0	0	0	0	130,000
Migration of Integrated Library System to SAAS Platform	27,000	30,240	0	0	0	0	0	0	0	0	57,240
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	0	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
Replacement of City Voting Equipment	0	0	0	895,000	0	0	0	0	0	0	895,000
Security Cameras for TES facilities	0	0	0	0	0	60,000	0	0	0	0	60,000
Public Access Development											
Customer Relationship Management System	200,000	550,000	0	0	0	0	0	0	0	0	750,000
Electronic Government/Web Page	285,000	100,000	50,000	50,000	50,000	150,000	50,000	50,000	50,000	150,000	985,000
Public Safety Systems											
AJIS Enhancements	80,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	620,000
Computer Aided Dispatch (CAD) System Replacement	635,000	315,000	900,000	250,000	0	0	0	0	0	0	2,100,000
EMS Records Management System	0	0	0	0	425,000	0	0	0	0	0	425,000
Total	5,797,000	5,420,240	4,190,000	5,010,000	5,375,000	5,215,000	5,292,000	4,670,000	5,025,000	5,530,000	51,524,240

Electronic Government (E-Government)

Document Subsection: Public Access Development
Managing Department: Communications
Supporting Department(s): Information Technology Services
ORG: 55211907

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: Varies

Electronic Government													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,221,381	*1,236,381*	285,000	100,000	50,000	50,000	50,000	150,000	50,000	50,000	50,000	150,000	985,000
Financing Plan													
Prior City Funding	1,236,381	*1,236,381*											0
Cash Capital	835,000	*0*	135,000	100,000	50,000	50,000	50,000	150,000	50,000	50,000	50,000	150,000	835,000
Prior Year/Close-Out	150,000	*0*	150,000	0	0	0	0	0	0	0	0	0	150,000
Total Financing Plan	2,221,381	*1,236,381*	285,000	100,000	50,000	50,000	50,000	150,000	50,000	50,000	50,000	150,000	985,000
Additional Operating Impact													
Annual Impact			25,000	25,750	26,523	27,318	28,138	28,982	29,851	30,747	31,669	32,619	286,597
Cumulative Impact			25,000	50,750	77,273	104,591	132,728	161,710	191,562	222,308	253,978	286,597	286,597

Changes from Prior Year CIP: Funding added for FY 2018 - FY 2026.

Project Description & Justification

The E-Government project includes enhancements to, and applications for, the City of Alexandria's public website, www.alexandriava.gov and related sites; content and applications for the City's employee intranet AlexNet; and various technology innovation initiatives in the City to benefit both the general public and City employees.

FY 2017- 2018 funding is focused on the implementation of a New CMS. The current CMS was already planned for replacement in FY 2017 due to functionality issues. However, during the past year, the company was bought out, and the product will be deprecated in the coming years. The new CMS now become a necessity.

Additional funding of $50,000 is planned in each of the out years, to address new small implementations arising from new unforeseen technology opportunities that arise each year.

An additional $100,000 is requested in FY 2022 to ensure the website is kept on a 4 year refresh cycle, as this is the appropriate amount of time between refreshes. How people intact with websites is constantly evolving and the user experience must be rethought every 3 to 4 years.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well- Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Operating impact is estimated at $25,000 annually, with a 3% inflation factor applied in the out years.

Customer Relationship Management System

Document Subsection: Public Access Development
Managing Department: Communications
Supporting Department(s): Multiple Departments
ORG: 55211942

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 5-10 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,225,000	*475,000*	200,000	550,000	0	0	0	0	0	0	0	0	750,000
Financing Plan													
Prior City Funding	475,000	*475,000*											0
Cash Capital	750,000	*0*	200,000	550,000	0	0	0	0	0	0	0	0	750,000
Total Financing Plan	1,225,000	*475,000*	200,000	550,000	0	0	0	0	0	0	0	0	750,000
Additional Operating Impact													
Annual Impact				100,000	103,000	106,090	109,273	112,551	115,927	119,405	122,987	126,677	1,015,911
Cumulative Impact			0	100,000	203,000	309,090	418,363	530,914	646,841	766,246	889,234	1,015,911	1,015,911

Changes from Prior Year CIP: Planned funding for FY 2017 and FY 2018 remain unchanged from prior CIP. FY 2019 - FY 2026 funding eliminated.

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 a new 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/Call.Click.Connect) for use by external customers. City staff uses this system to enter 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 a Computerized Maintenance Management System (CMMS) that has been operational since 2009. This project replaced the existing CMMS with a dedicated CRM for use by all City departments. Functionality included the use of one central database; access for call takers in the office and in the field; consistent assignment and scheduling of work; and real time status updates for customers, staff and the public.

The City is currently reviewing Call.Click.Connect's performance and planning to make necessary adjustments. While Call.Click.Connect has provided an effective way of tracking customer inquiries and staff responses for over two years, the City believes it can be improved. The City is soliciting feedback directly from customers to identify system enhancements that will improve the user experience.

Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well- Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Additional operating costs of $100,000 in FY 2017 are estimated based on new hardware and software maintenance agreement requirements. Annual inflation is factored in beginning FY 2018 and every year thereafter.

Document Imaging

Document Subsection: Document Management Systems
Managing Department: Information Technology Services
Supporting Department(s): Multiple Departments
ORG: 55211885

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,274,375	*2,274,375*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	2,224,375	*2,224,375*											0
Prior Year/Close-Out - City	50,000	*50,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	2,274,375	*2,274,375*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP. This is an active project with no additional funding required.

Project Description & Justification

This project provides funding for an assessment of new and replacement hardware, software, licensing, upgrades, and professional services for document imaging initiatives. Funds are also 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 has recently been upgraded to the latest available version, we anticipate that funding will be needed to implement many of the new features made available with this upgrade.

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Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Recurring annual software maintenance fees may increase if the imaging program is significantly expanded.

Real Estate Assessment System (CAMA)

Document Subsection: Financial Systems
Managing Department: Finance Department
Supporting Department(s): Information Technology Services
ORG: TBD

Project Location: City of Alexandria – Finance Dept.
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,870,000	*900,000*	0	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	970,000
Financing Plan													
Prior City Funding	900,000	*900,000*											0
Cash Capital	970,000	*0*	0	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	970,000
Total Financing Plan	1,870,000	*900,000*	0	850,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	970,000
Additional Operating Impact													
Annual Impact					30,000	30,900	31,827	32,782	33,765	34,778	35,822	36,896	266,770
Cumulative Impact			0	0	30,000	60,900	92,727	125,509	159,274	194,052	229,874	266,770	266,770

Changes from Prior Year CIP: Overall project funding increased by $100,000 and timing of funding adjusted from prior CIP, based on departmental request.

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 will enable the City to continue satisfying this mandate. The project will improve the valuation processes and procedures, which supports over 50% of the City's total revenues.

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 with is then used to bill from, and records collections in the receivable system. Any issues with the implementation or data integration with the Real Estate Accounts Receivable System will need to be closely monitored.

This project is currently being reviewed for replacement and possible integration with the City's Enterprise Resource Planning System. The City's current CAMA system is near the end of its life cycle, and the update is necessary to keep up with current technology.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective, & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area Team: Livable, Green, & Prospering City

- Increase the value of the real estate tax base

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional operating impact of $30,000 in FY 2019 includes costs for software and hardware maintenance of the new system, offset by savings for not having to maintain the old system. Annual inflation is factored in beginning FY 2020 and every year thereafter.

Enterprise Resource Planning System

Document Subsection: Financial Systems
Managing Department: Information Technology Services
Supporting Department(s): Human Resources, Finance
ORG: 55211946

Project Location: City of Alexandria – Finance/Human Resources/ITS
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: Varies Based on Applications

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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	4,715,000	*4,355,000*	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	360,000
Financing Plan													
Prior City Funding	4,225,000	*4,225,000*											0
Cash Capital	490,000	*130,000*	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	360,000
Total Financing Plan	4,715,000	*4,355,000*	0	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	360,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: FY 2017 funding eliminated. Remaining funding reduced and spread across FY 2018-2026 to create available funding for other IT Plan priority investments.

Project Description & Justification

The City has acquired and is implementing an Enterprise Resource Planning (ERP) software suite to improve the automation and support for a range of administrative and management applications.

City staff has completed phase 1 modules (including General Ledger, Accounts Payable, Purchasing and budgeting) went live in June 2013. Phase 2 modules (Human Resources and Payroll) went live in December 2013. Phase 3 modules (including enhanced functionality of Vendor Services, Grievance and Case Management, Certification & Training, and Professional Development) went live in fourth quarter of 2014.

ERP, Munis is a financial/HR initiative and ITS assist with implementation. There are a number of modules included in the current PO. There are also best practice modules and optional modules HR and Finance are assessing needs, HR applicant tracking, etc. Prior estimates factored an annual budget of $100,000 for a contract project manager. As the PM role is now handled by CoA employee, there's no need to budget for a contract role. FY 2017 assumes no new CIP funds. FY 2018+ will now factor $40,000 annually for possible MUNIS software upgrade costs and optional add-on capability upgrades not purchased in original contract.

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Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

No additional operating impact is anticipated. Operating support of the ERP system has been funded in prior year operating budgets.

Business Tax System/Reciprocity Contractor System

Document Subsection: Financial Systems
Managing Department: Finance Department
Supporting Department(s): Information Technology Services
ORG: 55211883

Project Location: City of Alexandria – Finance Dept.
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 5-10 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,464,595	*1,049,595*	0	0	40,000	375,000	0	0	0	0	0	0	415,000
Financing Plan													
Prior City Funding	1,049,595	*1,049,595*											0
Cash Capital	415,000	*0*	0	0	40,000	375,000	0	0	0	0	0	0	415,000
Total Financing Plan	1,464,595	*1,049,595*	0	0	40,000	375,000	0	0	0	0	0	0	415,000
Additional Operating Impact													
Annual Impact							22,000	22,660	23,340	24,040	24,761	25,504	142,305
Cumulative Impact			0	0	0	0	22,000	44,660	68,000	92,040	116,801	142,305	142,305

Changes from Prior Year CIP: Project funding reduced and planned funding shifted forward, based on the departmental request.

Project Description & Justification

The City implemented the primary system modules for a new Business Tax System in calendar years 2010 and 2011. The new application integrates major tax business collection systems into one system and supports business licenses, business personal property taxes, and other business-related taxes. The goal of this project is to improve efficiency through the integration of tax revenue assessments and collections.

The Reciprocity Contractor System project has been combined with Business Tax System. The Reciprocity Contractor System replaces an existing computer application used to record reciprocity contractor gross receipts and payments for business license taxes. Reciprocity contractors must obtain a business license after reaching an annual gross receipt threshold. This system will track the amount of revenue earned for tax purposes, establishing a more accurate means of reporting, and allowing reciprocity contractors to file taxes over the internet. Scope change -- reciprocity contractor scope has been removed from project as an in-house solution was implemented. Remaining project will continue with a renewed focus on integrating as many tax systems as possible. Enhancement of the City's business tax system directly ties to indicators for Finance Tax Assessment, Taxpayer Assistance Tax Audit and Research Analysis. Successful implementation has been measured by improved financial reporting.

Future funding for FY 2019 & FY 2020 estimated on life-cycle system replacement.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green & Prospering City

- Ensure Alexandria supports, retains, and attracts businesses

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional operating impact of $22,000 in FY 2021 includes costs for software and hardware maintenance of the new system, offset by savings for not having to maintain the old system. Annual inflation is factored in beginning FY 2022 and every year thereafter. Costs associated with a new system in FY 2020 will be offset by decreased costs from maintaining the old system.

Real Estate Accounts Receivable System

Document Subsection: Financial Systems
Managing Department: Finance Department
Supporting Department(s): Information Technology Services
ORG: 55212240

Project Location: City of Alexandria – Finance Dept.
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,585,000	*725,000*	60,000	0	0	0	0	0	0	0	0	800,000	860,000
Financing Plan													
Prior City Funding	400,000	*400,000*											0
Cash Capital	1,035,000	*175,000*	60,000	0	0	0	0	0	0	0	0	800,000	860,000
Prior Year/Close-Out - City	150,000	*150,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	1,585,000	*725,000*	60,000	0	0	0	0	0	0	0	0	800,000	860,000
Additional Operating Impact													
Annual Impact			0	20,000	20,600	21,218	21,855	22,510	23,185	23,881	24,597	25,335	203,182
Cumulative Impact			0	20,000	40,600	61,818	83,673	106,183	129,368	153,249	177,847	203,182	203,182

Changes from Prior Year CIP: Funding eliminated in FY 2022, to create available funding for other high priority IT Plan projects.

Project Description & Justification

This project supports the accounts receivable portion of the City's real estate tax system. The current receivables system is on an outdated platform. Funds will be used to replace the existing system with a robust, integrated application.

This project supports more effective collection of funds with less management oversight. The upgrade will improve the management and functionality of the system, ensuring the delivery of government services in a more efficient manner.

The City issued a formal Request for Proposals (RFP). The contract was awarded to PCI LLC and the implementation started in the first quarter of 2015. The City is actively working on the configuration and testing of the new system so that it will be ready to place into a production environment by the 2nd quarter of 2016.

The additional funds requested in FY 2017 will be used for system enhancements to the post production system.
FY 2026 funding request includes the proactive planning to sunset the production system and start the process to do a major upgrade and/or replacement. The life cycle of the system on average is about 10 years, and upgrade the cost is based on the current cost that we have budgeted to replace the system plus the cost of inflation.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area Team: Livable, Green & Prospering City

- Increase the value of the real estate tax base

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional operating impact of $20,000 in FY 2018 includes costs for software and hardware maintenance of the new system, offset by savings for not having to maintain the old system. Annual inflation is factored in beginning FY 2019 and every year thereafter.

Personal Property Tax System

Document Subsection: Financial Systems
Managing Department: Finance Department
Supporting Department(s): Information Technology Services
ORG: TBD

Project Location: City of Alexandria – Finance Dept.
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	940,000	*100,000*	0	40,000	460,000	0	0	0	0	60,000	280,000	0	840,000
Financing Plan													
Prior City Funding	100,000	*100,000*											0
Cash Capital	840,000	*0*	0	40,000	460,000	0	0	0	0	60,000	280,000	0	840,000
Total Financing Plan	940,000	*100,000*	0	40,000	460,000	0	0	0	0	60,000	280,000	0	840,000
Additional Operating Impact													
Annual Impact			0	0	0	25,000	25,750	26,523	27,318	28,138	28,982	29,851	191,562
Cumulative Impact			0	0	0	25,000	50,750	77,273	104,591	132,728	161,710	191,562	191,562

Changes from Prior Year CIP: Funding slightly reduced in FY 2018, otherwise 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 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. Funds provided in FY 2018 and FY 2019 in will be used to update the system to a modern platform.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional operating impact of $25,000 in FY 2020 includes costs for software and hardware maintenance of the updates. Annual inflation is factored in beginning FY 2021 and every year thereafter.

Employee Pension Administration System

Document Subsection: Financial Systems
Managing Department: Finance Department
Supporting Department(s): Information Technology Services
ORG: TBD

Project Location: City of Alexandria – Finance Dept.
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 5 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	550,000	*0*	0	300,000	50,000	0	0	0	175,000	25,000	0	0	550,000
Financing Plan													
Pension Admin. Fees	550,000	*0*	0	300,000	50,000	0	0	0	175,000	25,000	0	0	550,000
Total Financing Plan	550,000	*0*	0	300,000	50,000	0	0	0	175,000	25,000	0	0	550,000
Additional Operating Impact													
Annual Impact			0	0	(250,000)	(200,000)	(150,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(850,000)
Cumulative Impact			0	0	(250,000)	(450,000)	(600,000)	(650,000)	(700,000)	(750,000)	(800,000)	(850,000)	(850,000)

Changes from Prior Year CIP: No changes from prior year 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. This project supports the Finance department's strategic plans for long-term financial stability of the City.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

A significant reduction in operating cost savings is expected beginning FY 2019 by ceasing to support a third-party administering the City's retirement plan.

Phone, Web, Portable Device Payment Portals

Document Subsection: Financial Systems
Managing Department: Finance Department
Supporting Department(s): Information Technology Services
ORG: TBD

Project Location: City of Alexandria – Finance Dept.
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 3-5 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	760,000	*160,000*	240,000	0	0	200,000	0	0	0	0	160,000	0	600,000
Financing Plan													
Cash Capital	706,000	*106,000*	240,000	0	0	200,000	0	0	0	0	160,000	0	600,000
Prior Year/Close-Out - City	54,000	*54,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	760,000	*160,000*	240,000	0	0	200,000	0	0	0	0	160,000	0	600,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding reduced in FY 2017, FY 2020. Funding added in FY 2025.

Project Description & Justification

This project provides funds for the implementation of several taxpayer self-service tools including telephone Interactive Voice Response (IVR), secure Internet payment and account maintenance, and payment interfaces that are compatible with mobile devices such as tablets and smartphones.

This project will be closely integrated with the City's business tax system and REARS system as it will provide an alternative way for citizens to view and pay those tax bills. FY 2017 funds to complete general web implementation and develop integrated phone functionality. FY 2020 funds to adapt the platform to compatible mobile device.

These initiatives will improve revenue collection rates, streamline internal business operations and improve customer service to meet public expectations.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green & Prospering City

- Ensure Alexandria supports, retains, and attracts businesses

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Additional operating impacts will be offset by decreases in costs for internal business operations.

GIS Development

Document Subsection: Geographic Information Systems
Managing Department: Planning and Zoning
Supporting Department(s): Multiple Departments
ORG: 55211948

Project Location: City of Alexandria – Planning & Zoning Dept.
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: Varies Based on Applications

GIS Development													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,744,500	*2,214,500*	80,000	100,000	0	100,000	50,000	200,000	0	0	0	0	530,000
Financing Plan													
Prior City Funding	2,214,500	*2,214,500*											0
Cash Capital	530,000	*0*	80,000	100,000	0	100,000	50,000	200,000	0	0	0	0	530,000
Total Financing Plan	2,744,500	*2,214,500*	80,000	100,000	0	100,000	50,000	200,000	0	0	0	0	530,000
Additional Operating Impact													
Annual Impact			0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Changes from Prior Year CIP: No changes from prior CIP.													

Project Description & Justification

The City's Geographic Information System (GIS) provides the primary source of information on over 100 layers of spatial data (parcels, fire hydrants, population, etc.) and the application and staff resources to access and analyze this data. Access to 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 priorities are guided by a FY 2013 – FY 2017 GIS Strategic Plan. There are four distinct aspects to this request. New data to be acquired through aerial photography, a new system to improve our ability to manage geospatial data, improved tools (applications) for sharing data with end users. FY 2017 GIS specific hardware and software include Geoevents server software $20,000, hardware $40,000 (infrastructure and mobile devices) and implementation services $20,000.

Funds in the remaining years of the plan will support the ongoing function of GIS in the City. Additional resources may be requested as GIS Strategic Plan objectives are completed and new ones are initiated. FY 2017 will be the last year of the current plan and a plan update will be undertaken at that time.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green & Prospering City

- Ensure Alexandria supports, retains, and attracts businesses

Focus Area: Safe, Secure & Just Community

- Increase survivability from medical emergencies and traumatic injuries (through Computer Aided Dispatch Support)

External or Internal Adopted Plan or Recommendation

- GIS Strategic Plan, 2012

Additional Operating Budget Impact

Unknown at this time. Additional operating costs will be identified as specific technologies are implemented.

Alexandria Justice Information System (AJIS) Enhancements

Document Subsection: Public Safety Systems
Managing Department: Circuit Court Judges' Chambers
Supporting Department(s): Circuit Court Clerk's Office and Information Technology Services
ORG: 55211964

Project Location: City of Alexandria – Circuit Court
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: Varies Based on Applications

AJIS Enhancements													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,436,002	*1,816,002*	80,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	620,000
Financing Plan													
Prior City Funding	1,756,002	*1,756,002*											0
Cash Capital	680,000	*60,000*	80,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	620,000
Total Financing Plan	2,436,002	*1,816,002*	80,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	620,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding increased by $20,000 in FY 2017 and funding added in FY 2026. Otherwise no changes from prior CIP.

Project Description & Justification

The Alexandria Justice Information System (AJIS) continues to provide multiple City agencies and the law enforcement community with access to critical civil, criminal court and inmate management data, mug shots, documents, and reports. AJIS interfaces with other systems to furnish data to other local, regional, and national law enforcement agencies. Additionally, AJIS provides the public with free as well as fee-based internet access to Circuit Court data and documents. Users depend on AJIS to provide mission-critical court and jail management information around the clock. Agencies use AJIS to help confirm compliance with accreditation standards, grant applications and for other statistical needs.

AJIS funding is used to support regular hardware upgrades needed to accommodate increased functionality and expanded database storage, including document and image archival. Additionally, periodic software upgrades and updates are needed to maintain compatibility and warranty support. AJIS interfaces with many other information systems which often requires programming changes to maintain proper data communication. These changes are usually completed by our contractor to maintain a high quality, least disruptive solution.

AJIS is an ongoing, mission-critical system and will operate indefinitely. AJIS will continue to be modified to provide new functionality, adjust to agency mandates, and to meet user requests and citizen needs.

Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Safe, Secure & Just Community

- Reduce crime

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

EMS Records Management System

Document Subsection: Public Safety Systems
Managing Department: Fire Department
Supporting Department(s): Information Technology Services
ORG: 55211961

Project Location: City of Alexandria – Fire Dept.
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 5-7 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	640,000	*215,000*	0	0	0	0	425,000	0	0	0	0	0	425,000
Financing Plan													
Prior City Funding	215,000	*215,000*											0
Cash Capital	425,000	*0*	0	0	0	0	425,000	0	0	0	0	0	425,000
Total Financing Plan	640,000	*215,000*	0	0	0	0	425,000	0	0	0	0	0	425,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			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 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. There are no changes in this project from the prior fiscal year.

Funding is planned in FY 2021 for an anticipated upgrade of the system. The estimate uses an 8% per year increment. Furthermore, when the Fire Department went through the procurement process for the CAD RMS, a vendor quoted an EMS RMS at approximately $400,000. This is a similar product to what the Fire Department would look to acquire through this project.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure & Just Community

- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce harm to people or property from disasters

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Computer Aided Dispatch System Replacement

Document Subsection: Public Safety Systems
Managing Department: Department of Emergency Communications (DEC)
Supporting Department(s): Multiple Departments
ORG: 55211954

Project Location: City of Alexandria – DEC
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 10 – 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	17,330,000	*15,230,000*	635,000	315,000	900,000	250,000	0	0	0	0	0	0	2,100,000
Financing Plan													
Prior City Funding	15,230,000	*15,230,000*											0
Cash Capital	1,900,000	*0*	435,000	315,000	900,000	250,000	0	0	0	0	0	0	1,900,000
Prior Year/Close-Out	200,000	*0*	200,000	0	0	0	0	0	0	0	0	0	200,000
Total Financing Plan	17,330,000	*15,230,000*	635,000	315,000	900,000	250,000	0	0	0	0	0	0	2,100,000
Additional Operating Impact													
Annual Impact			542,000	558,260	575,008	592,258	610,026	628,327	647,176	666,592	686,589	707,187	6,213,423
Cumulative Impact			542,000	1,100,260	1,675,268	2,267,526	2,877,552	3,505,878	4,153,055	4,819,646	5,506,236	6,213,423	6,213,423

Changes from Prior Year CIP: Funding reduced slightly in FY 2019 and FY 2020, otherwise no changes from prior CIP.

Project Description & Justification

This project funds the acquisition and implementation of a 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, in order to provide the greatest measure of reliability and assured response to the region while performing critical public safety functions around-the-clock. CAD also interfaces with the Police and Fire Records Management Systems (RMS). The RMS houses historical data which is used to provide critical information to support tactical decisions on the scene. The tight integration with the CAD system necessitates the simultaneous replacement of the Police and Fire RMS.

The City finalized a contract with TriTech Software Systems in January 2013 to provide a combination of software, hardware, third party items, and services that comprise the replacement CAD and Mobile systems. The City kicked off the CAD replacement project in February 2013 and the new TriTech CAD/Mobile system was successfully deployed in January 2015.

AFD decided to upgrade their RMS utilizing the current support vendor (High Plains) while the new APD RMS will be implemented under a separate contract signed with Intergraph that is now known as Hexagon in September 2013. The proposed computer system that Intergraph will provide is comprised of two primary systems, Law Enforcement Records Management (RMS) and Field Based Reporting (FBR) System, collectively referred to WEBRMS/FBR.

SAN Upgrade is set to be deployed within the current fiscal year FY 2016. The original estimate was planned without the introduction of digital fiber and development of the current Data Center Relocation project. Since the project delay of the CAD Final Acceptance, the Bidirectional Functionality and the RMS deployment a budget review will be completed by mid FY 2016. Other project changes will affect the estimate such as the SAN Upgrade, the relocation of the data center and the introduction of digital fiber connection between Wheeler and Mill Rd. However since the RMS deployment was deferred to 2016 in FY 2019 additional cost for RMS storage upgrade, $350,000, will be necessary.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 6 – Public Safety

Focus Area: Safe, Secure & Just Community

- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce crime
- Reduce harm to people or property from disasters
- Reduce harm to people or property from building failures

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Additional operating impact in FY 2016 includes on-going operating costs including hardware, licensing, and maintenance agreements. Funding in the amount of $527,109 has been included in the FY 2016 operating budget, and increased by inflation annually.

Permit Processing

Document Subsection: Other System Development Projects
Managing Department: Code Enforcement
Supporting Department(s): Multiple Departments
ORG: 55212443

Project Location: City of Alexandria – Code Enforcement
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	4,450,000	*4,450,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Code 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													
Annual Impact			300,000	309,000	318,270	327,818	337,653	347,782	358,216	368,962	380,031	391,432	3,439,164
Cumulative Impact			300,000	609,000	927,270	1,255,088	1,592,741	1,940,523	2,298,739	2,667,701	3,047,732	3,439,164	3,439,164

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.

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 legacy software will be replaced with up-to-date technology that will help address the City's current challenges to provide online permit processing, online payments, and online plan review. The City engaged a services vendor to assist in developing a multi-agency Needs Assessment, System Requirements, and Business Process Review. The City finalized the deliverables from the services vendor engagement and incorporated them into the issuance of a formal Request for Proposal (RFP) in December 2014. The City anticipates awarding a contract to a suitable solution provider around Mid CY 2016 and will proceed with starting the implementation planning process shortly after the contract has been awarded.

Total project funding in the amount of $4.45 million from the Code Fund through FY2016 is included to replace the City's existing permitting system.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 1 – Economic Development

Focus Area: Livable, Green & Prospering City
- Ensure Alexandria supports, retains, and attracts businesses

Focus Area: Accountable, Effective & Well-Managed Government
- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Safe, Secure & Just Community
- Reduce harm to people or property from building disasters

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Additional operating impacts are anticipated once the new system has been implemented. The new system will be a consolidation of multiple programs under one enterprise system which will require technical expertise not currently on staff. It is estimated two positions & maintenance costs to incur an additional operating budget impact of about ($300,000). Costs are increased by inflation in FY 2017 and every year thereafter.

DCHS HIPAA Health and Information Technologies

Document Subsection: Other System Development Projects
Managing Department: Department of Community and Human Services
Supporting Department(s): Information Technology Services
ORG: 55211894

Project Location: City of Alexandria - DCHS
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: Varies N/A

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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	828,000	*528,000*	25,000	25,000	25,000	50,000	25,000	25,000	25,000	25,000	50,000	25,000	300,000
Financing Plan													
Prior City Funding	475,000	*475,000*											0
Cash Capital	325,000	*25,000*	25,000	25,000	25,000	50,000	25,000	25,000	25,000	25,000	50,000	25,000	300,000
Prior Year/Close-Out	28,000	*28,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	828,000	*528,000*	25,000	25,000	25,000	50,000	25,000	25,000	25,000	25,000	50,000	25,000	300,000
Additional Operating Impact													
Annual Impact			21,115	21,748	22,401	23,073	23,765	24,478	25,212	25,969	26,748	27,550	242,060
Cumulative Impact			21,115	42,863	65,264	88,337	112,102	136,580	161,793	187,762	214,510	242,060	242,060

Changes from Prior Year CIP: Funding added for FY 2026, otherwise 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.

This project supports a continued self-assessment of our current business functions, our Health Information Technology infrastructure and use, as well as any related impact on HIPAA regulations and other mandated compliance issues.

Funds provided in the out years of FY 2017 through FY 2025 are to meet the future enhancements for mandated updates and to maintain data security requirements and hardware needs.

Strategic Plan & Budget Guidance

Primary Strategic Plan Goal – Goal 2: Health & Environment

Focus Area: Healthy & Thriving Residents

- Improve City residents' overall health
- Increase self-sufficiency and meaningful quality of life for the City's most vulnerable adults

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Email encryption for 500 users will have an annual cost of $20,500 beginning in FY 2016; increased by inflation in FY 2017 and every year thereafter. The costs have been included in the FY 2016 operating budget.

Migration of Integrated Library System to SAAS Platform

Document Subsection: Other System Development Projects
Managing Department: Library
Supporting Department(s): Information Technology Services
ORG: TBD

Project Location: Citywide (Library Locations)
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: Varies

Migration of Integrate 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	99,240	*42,000*	27,000	30,240	0	0	0	0	0	0	0	0	57,240
Financing Plan													
Cash Capital	99,240	*42,000*	27,000	30,240	0	0	0	0	0	0	0	0	57,240
Total Financing Plan	99,240	*42,000*	27,000	30,240	0	0	0	0	0	0	0	0	57,240
Additional Operating Impact													
Annual Impact			0	30,000	30,900	31,827	32,782	33,765	34,778	35,822	36,896	38,003	304,773
Cumulative Impact			0	30,000	60,900	92,727	125,509	159,274	194,052	229,874	266,770	304,773	304,773

Changes from Prior Year CIP: No Changes from prior CIP.

Project Description & Justification

Alexandria Library is proposing a move from an onsite based Integrated Library Management System (ILS) to a SAAS-based (cloud-based) system. SAAS solutions are proving to be vital for the continued growth of companies and institutions that specialize in data resource management. The Library completed a year-long needs assessment reviewing areas where efficiency and effectiveness required improvement and the technological infrastructure of our day-to-day operations has been identified as a priority for improvement.

Equipment replacement, maintenance, and upgrading costs can be absorbed through an annual SAAS agreement with our ILS provider, Sirsi Dynix. All ILS software and hardware services can be migrated to cloud services with the exception of various telephone notifications services and 3rd party bank payment systems. However, all services will continue data sourcing and retrieval through SAAS setup and configuration in order to perform their daily functions with the addition of 1) increased and enhanced library data security, storage, and backup; 2) centralized and immediate technical support, system upgrades, repairs, replacements and maintenance; 3) provision of secure 24/7 system access and monitoring from any computer/device with web/internet access to library staff; 4) improved library staff's ability to work remotely and creation of more opportunities for enhancing community outreach services; and 5) improved compatibility with library 3rd party vendor services' APIs and elimination of the need for multiple service access points by providing simplified access across 3rd party platforms and formats from "within" the library's SAAS-based website domain and online catalog. This enhances system performance and customer satisfaction as the library moves to extend services through outreach initiatives and offsite community engagement programs.

The Library successfully migrated its ILS servers to Sirsi cloud Saas maintenance as of December 2015. All Saas maintenance of ILS services and 3rd Party integrated services are in production. All are being evaluated for speed and data transfer accuracy. The migration of the library's RPA server is scheduled for mid-2016.

FY 2017 and FY 2018 funds will be used to complete the project.

Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Healthy & Thriving Residents

- Ensure the educational and developmental attainment of all residents
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Identified as part of the Library Community Needs Assessment and the Alexandria Library Board

Additional Operating Budget Impact

Annual maintenance costs will be in addition to what the Library already pays for our ILS system and will vary from $27,000-$30,000. The Library believes this is a reasonable cost to improve customer service and make our digital services more accessible and improve efficiency with our workflow.

Library Public Access Computers and Print Management System

Document Subsection: Other System Development Projects
Managing Department: Library
Supporting Department(s): Information Technology Services
ORG: TBD

Project Location: Citywide (Library Locations)
Reporting Area: Citywide
Project Category: IT Plan
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	130,000	*0*	45,000	0	0	0	0	85,000	0	0	0	0	130,000
Financing Plan													
Cash Capital	130,000	*0*	45,000	0	0	0	0	85,000	0	0	0	0	130,000
Total Financing Plan	130,000	*0*	45,000	0	0	0	0	85,000	0	0	0	0	130,000
Additional Operating Impact													
Annual Impact			12,797	13,181	13,576	13,984	14,403	14,835	15,280	15,739	16,211	16,697	146,703
Cumulative Impact			12,797	25,978	39,554	53,538	67,941	82,776	98,057	113,795	130,006	146,703	146,703

Changes from Prior Year CIP: Funding reduced in FY 2017 by $55,000. Funding in the amount of $85,000 added to the project in FY 2022.

Project Description & Justification

Alexandria's libraries maintain an automated system (Pharos) for reserving computers, managing waiting lists for computers, and monitoring time limits for computer sessions and managing customer printing. Unfortunately, Pharos is an outdated system that is slated to become obsolete in mid-2015, with end-of-life equipment that will no longer interface with our Integrated Library System. Furthermore, the system no longer meets the needs of our patrons. For instance, printing requires the purchase of copy cards, which must be purchased with cash. Moreover, there is no capability for wireless printing or scanning through this system. Implementing a new computer and print management system will ultimately meet users' technology needs, while increasing overall customer satisfaction. A new system that accepts credit card payments is crucial to the Library's revenue expectations for FY 2017 and will fully shift PCI compliance responsibility to the vendor. There is also greater earning potential by offering new services such as wireless printing and scanning.

In 2014, the Library completed an extensive community needs assessment study. After surveying almost 4,000 residents, conducting focus groups and speaking with community leaders, the research indicates that residents value the Library for providing access to technology, including public access computers, free wireless access and business services (printers, copiers, etc.). In addition, residents and community leaders indicated the need for additional and enhanced technology access, such as wireless printing and scanning capabilities. Stakeholders recognize that the Library is often used as a resource for small business owners, students, job seekers and others, who require access to enhanced technologies. Unfortunately, our current public technology systems are not meeting these needs. The system we propose to implement has been successfully adopted by neighboring public library systems, including Fairfax and Arlington County Libraries.

Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Healthy & Thriving Residents

- Ensure the educational and developmental attainment of all residents
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- Identified as part of the Library Community Needs Assessment and the Alexandria Library Board

Additional Operating Budget Impact

Annual maintenance costs will be $12,797 beginning in FY 2018. The Library believes this is a reasonable cost to improve customer service and enhance its offerings to the community. Furthermore, it is likely that the additional revenue generated by supplemental services (scanning, faxing, additional printing) will offset some or most of this cost.

Replacement of City Voting Equipment

Document Subsection: Other System Development Projects
Managing Department: Voter Registration and Elections
Supporting Department(s): Information Technology Services
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 15 years

Replacement of City Voting Equipment													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	895,000	*0*	0	0	0	895,000	0	0	0	0	0	0	895,000
Financing Plan													
Cash Capital	895,000	*0*	0	0	0	895,000	0	0	0	0	0	0	895,000
Total Financing Plan	895,000	*0*	0	0	0	895,000	0	0	0	0	0	0	895,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			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 current voting system was purchased in FY 2004, with supplemental scanning equipment purchased in FY 2012. The system is beginning to show signs of age, and state law prohibits the purchase of additional "Direct Recording Equipment" (voting machines without a paper trail), so the City is not able to replace units that no longer work. For this reason, we anticipate the entire system will need to be replaced prior to the November 2020 Presidential Election to ensure the effective administration of this election.

Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 7 – Caring Community

Focus Area: Safe, Secure & Just Community

- Ensure all community members are treated justly and protected under the law

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

No additional impact to the operating budget is anticipated.

Project Management Software

Document Subsection: Other System Development Projects
Managing Department: Department of Project Implementation
Supporting Department(s): Information Technology Services
ORG: TBD

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	185,000	*185,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior Year/Close-Out - City	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													
Annual Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: No changes from prior CIP.

Project Description & Justification

The project provides funding for project management (PM) software to track and manage capital projects, from design through construction. Funding will be utilized to either purchase licenses for the ITS PM solution, or to acquire software. The PM tool should be robust and allow for portfolio as well as project management, with views into resource availability (and constraints) against the City's work load; project due dates and slippages (in design and construction); financial management tracking of original contract and change order dollar amounts and grants; and standard reporting options with Gantt chart and bar chart data views.

City departments are currently using other tools (SharePoint, Excel, MS Project) to track and manage workload, however, no one tool does everything the City needs. Therefore, too much time is invested in managing data in different tools.

This tool will facilitate more informed decision-making, providing insight into resource constraints before they occur. Staff training on the tool will be required. Success means better insight into projects, resource requirements and capacity, measured through improvements to project outcomes and capacity planning. Improved communications of project status and progress to sponsor departments, senior management, community and City Council will be another benefit of this project.

Strategic Plan & Budget Guidance

Focus Area: Goal 5 - Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green & Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

TBD - annual operating impact will depend on whether the tool is subscription-based or purchased and hosted on premises. If the tool is subscription-based, it will have a higher annual operating impact than a tool for which the only annual fee is maintenance.

Enterprise Maintenance Management System

Document Subsection: Other System Development Projects
Managing Department: CMMS Steering Committee (multi-departmental committee)
Supporting Department(s): Multiple Departments
ORG: 55211943

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,639,000	*1,089,000*	130,000	100,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	550,000
Financing Plan													
Prior City Funding	989,000	*989,000*											0
Cash Capital	600,000	*100,000*	80,000	100,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	500,000
Prior Year/Close-Out	50,000	*0*	50,000	0	0	0	0	0	0	0	0	0	50,000
Total Financing Plan	1,639,000	*1,089,000*	130,000	100,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	550,000
Additional Operating Impact													
Annual Impact			20,000	20,600	21,218	21,855	22,510	23,185	23,881	24,597	25,335	26,095	229,278
Cumulative Impact			20,000	40,600	61,818	83,673	106,183	129,368	153,249	177,847	203,182	229,278	229,278

Changes from Prior Year CIP: Funding added for FY 2022 - FY 2026. Otherwise, no changes from prior year CIP.

Project Description & Justification

This project provides for the expansion of the City's maintenance management software to 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 add capacity for refined asset health information; enable central access to information, improved reporting, and scheduling of work; and provide full life cycle management of City owned assets. The maintenance management system 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.

FY 2026 monies requested for licensing and professional services for additional modules to support the new departments being implemented. FY 2017 and FY 2018 monies for implementation of mobile workforce initiatives in the EMMS. These improvements will allow the City to eliminate the legacy work order software system, provide mobile access to the application by City employees in the field, and provide greater efficiencies in the tracking and oversight of labor, materials, equipment, scheduling, and contracting costs for asset maintenance.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green and Prospering City
Goal 5 – Financial Sustainability

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Recurring annual software maintenance fees will increase by approximately $20,000 in FY 2017 as modules are licensed and added over the next several years; increased by inflation in FY 2018 and every year thereafter.

Application Portfolio Management

Document Subsection: Other System Development Projects
Managing Department: Information Technology Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: IT Plan
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	100,000	*0*	0	0	0	100,000	0	0	0	0	0	0	100,000
Financing Plan													
Cash Capital	100,000	*0*	0	0	0	100,000	0	0	0	0	0	0	100,000
Total Financing Plan	100,000	*0*	0	0	0	100,000	0	0	0	0	0	0	100,000
Additional Operating Impact													
Annual Impact			0	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			0	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Changes from Prior Year CIP: New project added for FY 2020.

Project Description & Justification

Application Portfolio Management provides an enterprise portfolio of application assets. This tool is primary used by Enterprise Architects to cut costs, reduce inefficiencies, and to foster agility in systems.

The project covers several components of the ITS Strategic Plan. Processes Improvements, Office Applications Enhancement and Performances Metrics Enhancement as example.

The application could be installed using already existing technology (Microsoft Project Server 2013 platform) and can be rolled out in 3 to 6 months and finalized in 2 years.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Additional capability could be required to maintain the application assets inventory. Estimate FTE 0.5 shared across several divisions. If purchased as SaaS additional operating impact need to be assessed.

Electronic Health Records (EHR) Replacement

Document Subsection: Other System Development Projects
Managing Department: Department of Community and Human Services
Supporting Department(s): Information Technology Services
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: IT Plan
Estimated Useful Life: 10 Years

Electronic Health Records (EHR) Replacement													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	300,000	*0*	300,000	0	0	0	0	0	0	0	0	0	300,000
Financing Plan													
Prior Year/DCHS Funds	300,000	*0*	300,000	0	0	0	0	0	0	0	0	0	300,000
Total Financing Plan	300,000	*0*	300,000	0	0	0	0	0	0	0	0	0	300,000
Additional Operating Impact													
Annual Impact			0	50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	507,955
Cumulative Impact			0	50,000	101,500	154,545	209,181	265,457	323,420	383,123	444,617	507,955	507,955

Changes from Prior Year CIP: New project added for FY 2017.

Project Description & Justification

The City's current electronic health records system provider (Anasazi) has been acquired by Cerner Corporation. Cerner plans on migrating to their Millennium application in the next 5 years.

According to the HITECH Act of 2009, providers must attest to meaningful use to be eligible for EHR incentive payments. The current application (Anasazi) does not meet the requirements for meaningful use. A patient portal and ultra-sensitive exchange is being developed for Anasazi to meet meaningful use and those estimated costs are $300,000 which we have proposed under the HIPAA & Related Health Information Technologies CIP project.

This project provides funding to purchase a new electronic health records system to replace the current system beyond the end of its useful life.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal – Goal 2: Health & Environment

Focus Area: Healthy & Thriving Residents

- Improve City residents' overall health
- Increase self-sufficiency and meaningful quality of life for the City's most vulnerable adults

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An operating impact of $50,000 is anticipated in FY 2018 and beyond (inflated by 3% per year) for the annual maintenance contract for the new EHR system.

Library Information Technology Equipment Replacement

Document Subsection: Other System Development Projects
Managing Department: Library
Supporting Department(s): Information Technology Services
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: IT Plan
Estimated Useful Life: 10 Years

Library 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	80,000	*0*	80,000	0	0	0	0	0	0	0	0	0	80,000
Financing Plan													
Cash Capital	40,000	*0*	40,000	0	0	0	0	0	0	0	0	0	40,000
Prior Year/Close-Out	40,000	*0*	40,000	0	0	0	0	0	0	0	0	0	40,000
Total Financing Plan	80,000	*0*	80,000	0	0	0	0	0	0	0	0	0	80,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: New project added for FY 2017.

Project Description & Justification

The Alexandria Library must update and install new equipment in all library facilities in order to replace outdated computers, end-of-life servers, software and materials that will be used to meet both staff and community technology needs. We have also identified multiple areas requiring technology updating through the use of the Urban Library Council's Edge Initiative, further mirroring the outcomes of our community needs assessment.

The Library has reviewed and assessed the costs of replacing and adding equipment to all its facilities, including the Alexandria Law Library. After initial purchase, equipment replacement, maintenance, and upgrading costs would be absorbed through individual vendor agreements and maintenance contracts

All Library hardware will be inventoried as standard practice. All web-based equipment will include necessary software for internet security and antivirus control along with security procedures to identify usage and track location. Onsite equipment will be equipped with standard hardware and software resources to protect investment and will comply with all Commonwealth of Virginia required data backup and storage laws. Mobile and portable equipment data will be backed up to cloud-based storage and comply with all Commonwealth of Virginia laws for data backup and storage.

Alexandria Library community and staff users will have access to specific equipment as directed by Library policy and indicated by library purpose. Public computers can be used by any person using library facilities. Portable and mobile equipment will have purpose identified by library administration and technology assessment need which may include offsite training and use. All data collected by Alexandria Library through all equipment and facility will be maintained and handled as dictated by Commonwealth of Virginia and Library of Virginia rules.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Healthy & Thriving Residents

- Ensure the educational and developmental attainment of all residents
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

No additional operating budget impact is anticipated at this time.

Recreation Database System

Document Subsection: Other System Development Projects
Managing Department: Information Technology Services
Supporting Department(s): Recreation, Parks & Cultural Activities
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: IT Plan
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	90,000	*0*	0	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
Financing Plan													
Cash Capital	90,000	*0*	0	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
Total Financing Plan	90,000	*0*	0	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
Additional Operating Impact													
Annual Impact			7,000	7,210	7,426	7,649	7,879	8,115	8,358	8,609	8,867	9,133	80,247
Cumulative Impact			7,000	14,210	21,636	29,285	37,164	45,279	53,637	62,246	71,114	80,247	80,247
Changes from Prior Year CIP: New project added for FY 2018 - FY 2026.													

Project Description & Justification

Funds in FY 17 will provide system enhancements and improvements to the City's existing Recreation Database System. This system manages the day to day operation of the recreation centers and other ancillary programs administered by Recreation, Parks, and Cultural Activities. The Recreation Database System provides a central citizen/ customer database, financial and statistical reporting, activity registration, facility reservations, and pass management.

It is anticipated that the system will need to be replaced at some point in the future due to its age and lack of modern functions and features. The current funding requests are for continual improvements to the current system.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 4: *Alexandria is a community that supports and enhances the well-being, success and achievement of children, youth and families*

Focus Area: Healthy & Thriving Residents

- Ensure the developmental attainment of all residents
- Improve the quality of residents' leisure time

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Recurring annual software maintenance fees will increase by approximately $7,000 in FY 2017 due to digital signage implementation.

Security Cameras for TES facilities

Document Subsection: Other System Development Projects
Managing Department: Information Technology Services
Supporting Department(s): Transportation & Environmental Services
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: IT Plan
Estimated Useful Life: 15 Years

Security Cameras for Transportation & Environmental Services Facilities													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	60,000	*0*	0	0	0	0	0	60,000	0	0	0	0	60,000
Financing Plan													
Cash Capital	60,000	*0*	0	0	0	0	0	60,000	0	0	0	0	60,000
Total Financing Plan	60,000	*0*	0	0	0	0	0	60,000	0	0	0	0	60,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	1,000	1,030	1,061	1,093	1,126	5,309
Cumulative Impact			0	0	0	0	0	1,000	2,030	3,091	4,184	5,309	5,309
Changes from Prior Year CIP: New project added for FY 2022.													

Project Description & Justification

Currently T&ES facilities have no CCTV security monitoring. Given the high value of material, equipment, and vehicles we have on hand it would be prudent to install cameras. In addition two facilities are unmanned the majority of the time and should have cameras to track who goes in and out.

This project will purchase and install security cameras to protect assets and employees at critical multiple T&ES locations including Business Center Drive, 133 S. Quaker Lane, Colvin Street, Lower Materials Storage Yard, and the Eisenhower Ave. Resource Recovery Facility (mulch and debris processing). Initial costs include the purchase and installation of cameras. Annual service and hosting costs would be proposed in the operating budget request and are included in the operating impacts.

This project is related to the seven TES facilities that will receive the cameras. It is not required for another project's completion. Funding is to purchase cameras in FY 2017 and FY 2022, basing this on a camera life span of five years and accounting for increased costs.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Safe, Secure & Just Community

- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce crime
- Reduce harm to people or property from disasters
- Reduce harm to people or property from building failures

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Operating impacts are estimated at approximately $1,000 per year with 3% inflation.

LAN/WAN Infrastructure

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): N/A
ORG: 55211901

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	4,225,000	*2,855,000*	390,000	360,000	360,000	260,000	0	0	0	0	0	0	1,370,000
Financing Plan													
Prior City/Comcast Revenue	2,295,000	*2,295,000*											0
Cash Capital	850,000	*0*	130,000	100,000	360,000	260,000	0	0	0	0	0	0	850,000
Comcast Revenue	1,080,000	*560,000*	260,000	260,000	0	0	0	0	0	0	0	0	520,000
Total Financing Plan	4,225,000	*2,855,000*	390,000	360,000	360,000	260,000	0	0	0	0	0	0	1,370,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding increased by $30,000 in FY 2017, otherwise 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).

The I-Net is currently running over a Coarse Wave Division Multiplexing (CWDM) fiber optic network, which provides connection speeds of up to 1 gigabyte to the desktop. 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.

Funding is utilized to maintain a secure, viable and reliable I-Net architecture and to evolve to the next-generation network architecture/ protocols.

Funds in FY 2017 – FY 2020 will be used for the acquisition and/or replacement of network equipment and for network consulting services.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

LAN Development

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): N/A
ORG: 55211897

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	519,000	*419,000*	0	50,000	50,000	0	0	0	0	0	0	0	100,000
Financing Plan													
Prior City/Comcast Revenue	354,000	*354,000*											0
Cash Capital	100,000	*0*	0	50,000	50,000	0	0	0	0	0	0	0	100,000
Comcast Revenue	65,000	*65,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	519,000	*419,000*	0	50,000	50,000	0	0	0	0	0	0	0	100,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding increased by $25,000 in FY 2018 & FY 2019. Funding eliminated in FY 2017 and FY 2020.

Project Description & Justification

This project maintains or upgrades the local area network (LAN) infrastructure in City government buildings including: data cabling, punch down blocks, 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 users a 1 gigabit per second data rate or higher, 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.

Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Enterprise Data Storage Infrastructure

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): N/A
ORG: 55211886

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	4,966,000	*1,966,000*	400,000	400,000	200,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Financing Plan													
Prior City/Comcast Revenue	1,766,000	*1,766,000*											0
Cash Capital	2,200,000	*0*	0	0	200,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	2,200,000
Comcast Revenue	1,000,000	*200,000*	400,000	400,000	0	0	0	0	0	0	0	0	800,000
Total Financing Plan	4,966,000	*1,966,000*	400,000	400,000	200,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Additional Operating Impact													
Annual Impact			25,000	25,750	26,523	27,318	28,138	28,982	29,851	30,747	31,669	32,619	286,597
Cumulative Impact			25,000	50,750	77,273	104,591	132,728	161,710	191,562	222,308	253,978	286,597	286,597
Changes from Prior Year CIP: Funding added for FY 2021 - FY 2026. No other changes to prior year CIP.													

Project Description & Justification

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. Data storage requirements continue to increase which requires additional storage capacity and proper hardware/software to perform data backups. The SAN's that are deployed throughout the enterprise provide for better disk utilization and data management.

The current storage environment consists of 5 SAN's that vary in size. The SAN platform allows the ability to more quickly and easily identify storage performance problems. The Network Operations Center Relocation project will provide an opportunity to consolidate the 5 SAN's into a larger enterprise SAN for the City.

The project provides funding to perform SAN upgrades to include adding storage capacity while maintaining optimal performance. Data retention requirements are to be satisfied per the Virginia Law requirements. As data storage continues to grow, the City needs to purchase additional hardware to accommodate for storage of production and backups.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional operating impact of $25,000 is anticipated beginning FY 2017 for additional licensing and maintenance costs. Costs are a rough estimate, thus they are not increased for inflation.

Upgrade Work Station Operating Systems

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): N/A
ORG: 55211900

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: Varies

Upgrade Work Station Operating System													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	3,413,950	*2,333,950*	280,000	300,000	300,000	200,000	0	0	0	0	0	0	1,080,000
Financing Plan													
Prior City Funding	2,183,950	*2,183,950*											0
Cash Capital	1,130,000	*150,000*	180,000	300,000	300,000	200,000	0	0	0	0	0	0	980,000
Prior Year/Close-Out	100,000	*0*	100,000	0	0	0	0	0	0	0	0	0	100,000
Total Financing Plan	3,413,950	*2,333,950*	280,000	300,000	300,000	200,000	0	0	0	0	0	0	1,080,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added in FY 2017 - 2019 to accommodate conversion from desktops to laptop systems as City builds out flexible workspaces.

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 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.

Funding has been added to FY 2017 - 2019 to accommodate conversion from desktops to laptop systems as City continues to build-out more flexible and open workspaces.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Network Server Infrastructure

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): N/A
ORG: 55211920

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	8,111,143	*6,861,143*	400,000	175,000	175,000	500,000	0	0	0	0	0	0	1,250,000
Financing Plan													
Prior City/Comcast Revenue	6,561,143	*6,561,143*											0
Cash Capital	1,110,000	*0*	260,000	175,000	175,000	500,000	0	0	0	0	0	0	1,110,000
Comcast Revenue	440,000	*300,000*	140,000	0	0	0	0	0	0	0	0	0	140,000
Total Financing Plan	8,111,143	*6,861,143*	400,000	175,000	175,000	500,000	0	0	0	0	0	0	1,250,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			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 computer network server environment in a safe and reliable manner. These requirements include physical hardware, software upgrades for the network operating system, client access licenses, virtualization licenses, network operating system licenses, client access licenses, and the replacement of network printers that are out of warranty.

Funds programmed in FY 2017 will be used for software license upgrades, server hardware replacements, implementation services related to new software/hardware configuration, assessment of architecture prior to changes, and network printer replacements.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Information Technology Equipment Replacement

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): N/A
ORG: 55212153

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	4,900,000	*1,300,000*	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	3,600,000
Financing Plan													
Prior City/Comcast Revenue	1,000,000	*1,000,000*											0
Cash Capital	3,600,000	*0*	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	3,600,000
Comcast Revenue	300,000	*300,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	4,900,000	*1,300,000*	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	3,600,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding standardized to $360,000 per year, for the entire 10 year plan.

Project Description & Justification

Funds in the new equipment replacement program are used to procure new City computer workstations with an appropriate version of Windows and related hardware components as necessary to meet City standards set by Information Technology Services. This project also provides for the labor costs of deploying the new computers at offices throughout the City.

This project ensures that City staff has the IT workstation resources necessary to perform their 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 refresh 300 machines annually to reduce the cost of maintenance and repair of out of warranty hardware (the City owns approximately 2500 machines.)The City needs hardware that meets modern technology standards and application requirements. Some of the funding requested accounts for the need to acquire additional contracted resources to complete the deployments. This project was planned and approved in the FY 2015-FY 2025 IT Plan and is included in the ITS Departmental work plan so it should not negatively impact future work plans.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

This project is referenced in the ITS Departments work plan, but this project does affect all City departments and the applications that staff need to access to complete daily tasks.

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Voice Over Internet Protocol (VoIP) Telephony

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): N/A
ORG: 55211941

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	5,697,173	*4,897,173*	150,000	350,000	150,000	150,000	0	0	0	0	0	0	800,000
Financing Plan													
Prior City/Comcast Revenue	4,647,173	*4,647,173*											0
Comcast Revenue	250,000	*250,000*	0	0	0	0	0	0	0	0	0	0	0
Cash Capital	800,000	*0*	150,000	350,000	150,000	150,000	0	0	0	0	0	0	800,000
Total Financing Plan	5,697,173	*4,897,173*	150,000	350,000	150,000	150,000	0	0	0	0	0	0	800,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No change from prior CIP.

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 telephone and telecommunications infrastructure, including software, servers, switches, and handsets.

Since the VoIP system deployment has been completed, ITS has been refining departmental VoIP configurations including call centers, advanced call flows, and implementation of enhanced features to increase productivity as well as create efficient voice communication services across the enterprise. To maintain a viable and reliable VoIP infrastructure, routine hardware replacements and software upgrades need to be performed. To leverage the next generation capabilities, features, integration with City systems and other applications, the VoIP architecture will require software upgrades, new hardware, programming services, training, and licensing. This will allow the City to expand the current VoIP services.

FY 2017 funds will be utilized to provide professional services and software /hardware upgrades to enhance the call center (Call.Click.Connect) features, capabilities, and reporting. The goal is to enhance the customer service experience for the residents and visitors of Alexandria when contacting the City for information and/or services. The enhancement will include integration with Cityworks and other City applications. The City will be assessing the potential of integrating the call center with social media and text messaging technology. The enhanced system will allow the City to receive additional real time reports and metrics on the call center activities (City Stats).

A portion of funds programmed in the out years will be used to perform an assessment on delivering unified communications. The assessment will provide ways to integrate call center details, social media sites, instant messaging, web chats, and customer relationship management (CRM) to provide more information to first line staff to improve customer service. The unified communications will also include reporting features which will allow staff to analyze metrics and make process improvements to improve customer satisfaction.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Maintenance cost were added to FY 2016 Operating budget. An additional operating impact is not expected.

Network Security

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): N/A
ORG: 55211959

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	2,985,000	*1,910,000*	400,000	225,000	225,000	225,000	0	0	0	0	0	0	1,075,000
Financing Plan													
Prior City/Comast Revenue	1,585,000	*1,585,000*											0
Comcast Revenue	1,225,000	*325,000*	225,000	225,000	225,000	225,000	0	0	0	0	0	0	900,000
Cash Capital	175,000	*0*	175,000	0	0	0	0	0	0	0	0	0	175,000
Total Financing Plan	2,985,000	*1,910,000*	400,000	225,000	225,000	225,000	0	0	0	0	0	0	1,075,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding increased in FY 2017 by $175,000. Otherwise, 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 recommend solutions for 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.

Every department requires the City's technology infrastructure and communications to be secure. It's part of the strategic plan (Accountable, Effective & Well Managed Government). This is an ongoing endeavor. The City must keep current with Security Tools and Protocols to protect City data and to ensure that employee and residents privacy is also protected. (HIPAA and PCI data is stored on City servers)

Funds in FY 2017 and additional funds programmed in the out years of this plan will be used to secure necessary tools for protection of the City's network. In addition, funds will be used to acquire professional services, Disk Encryption (Consulting Help - Setup and Deploy BitLocker - product already owned by the City), Virtual Desktop Infrastructure (VDI) Startup, Implementation of a City-Wide Security Awareness Program, IT Security Training to include a CISSP Boot Camp for Security Manager.

This project is necessary to provide continuous improvement in the security of the City network and improves the confidentiality and integrity of the City data. Implementation of security technologies provides a reliable and secure information environment, which supports City operations and ensures the delivery of government services in an efficient and responsible manner.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated.

Database Infrastructure

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): Multiple Departments
ORG: 55211906

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 10 Years

Database Infrastructure													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,068,000	*668,000*	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Financing Plan													
Prior City Funding	628,000	*628,000*											0
Cash Capital	440,000	*40,000*	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Total Financing Plan	1,068,000	*668,000*	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													
Annual Impact			20,000	20,600	21,218	21,855	22,510	23,185	23,881	24,597	25,335	26,095	229,278
Cumulative Impact			20,000	40,600	61,818	83,673	106,183	129,368	153,249	177,847	203,182	229,278	229,278

Changes from Prior Year CIP: Funding added for FY 2022 - FY 2026. No other changes to prior year 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 and upgrade database technologies that support the City's core applications.

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 arise in the user community, or to evaluate the latest database technologies and tools.

This project has funded the City's early SharePoint development and provided money to evaluate and scope the future strategy for use of this database technology in the City. This project also provides for consulting services to properly maintain and enhance the City's data infrastructure.

Funds in FY 2017- FY 2026 are for database licensing tools and professional services needed for continual improvements to the infrastructure.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Operating impacts are based off the City's current vendor and level of server licenses.

Information Technology Enterprise Management System

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): Multiple Departments
ORG: 55211919

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	510,000	*510,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City/Comcast Revenue	460,000	*460,000*											0
Cash Capital	0	*0*	0	0	0	0	0	0	0	0	0	0	0
Comcast Revenue	50,000	*50,000*	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													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding eliminated for FY 2017 - FY 2020, however this is still an active project.

Project Description & Justification

This project provides funding to further enhance Microsoft System Center, a multi-module software that integrates and automates the management of citywide IT resources. In FY 2011, ITS deployed Configuration Manager (the asset management module) to streamline the desktop and server inventory as well as software distribution processes. In FY 2012, ITS deployed Service Manager (the help desk module) to replace a legacy system. Branded as AlexIT, the enterprise help desk application was deployed in October 2011 and is actively used by IT staff in ITS, DCHS, and the Courts to manage technical requests.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Software assurance for System Center Service Manager was renewed in FY 2014 and should be renewed every 3 years. System Center Configuration Manager licensing is included with the Microsoft Enterprise Agreement. Service Manager may be included in the next Microsoft Enterprise Agreement (Agreement End Date: June 30, 2016).

Connectivity Initiatives

Document Subsection: Network Services
Managing Department: Office of Management and Budget
Supporting Department(s): Information Technology Services
ORG: 55211881

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: Varies 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	5,850,000	*1,350,000*	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,500,000
Financing Plan													
Comcast Revenue	5,850,000	*1,350,000*	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,500,000
Total Financing Plan	5,850,000	*1,350,000*	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	4,500,000
Additional Operating Impact													0
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. No other changes to the prior year CIP.

Project Description & Justification

This project reflects annual funding to Comcast for 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.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget it not anticipated.

Enterprise Collaboration (including AlexStat Hardware & Software)

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): Multiple Departments
ORG: 55212357

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: 5-10 years

Enterprise Collaboration (Including AlexStat Hardware & Software)													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	930,000	*530,000*	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Financing Plan													
Prior City Funding	490,000	*490,000*											0
Cash Capital	440,000	*40,000*	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000
Total Financing Plan	930,000	*530,000*	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													
Annual Impact			50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239	573,194
Cumulative Impact			50,000	101,500	154,545	209,181	265,457	323,420	383,123	444,617	507,955	573,194	573,194

Changes from Prior Year CIP: Funding added for FY 2021 - FY 2026. No other changes to prior year CIP.

Project Description & Justification

This project funds the implementation of a comprehensive City-wide collaboration tool. ITS has engaged a contractor to develop a roadmap implementation strategy for an enterprise-wide collaboration platform leveraging our existing SharePoint online licensing. The funding requested supports this strategic initiative with professional services, licensing of additional SharePoint features, training, and additional infrastructure hardware.

Through facilitated stakeholder department discussions, the City has been able to identify business needs and collaboration goals, priorities, and opportunities. These discussions have led to the creation of a roadmap which defines the resources necessary to develop and implement solutions to meet these needs. Components include augmenting the current ITS SharePoint team with expert consulting resources, increasing licensing for power users and departmental administrators, and building out a hybrid online and on-premises SharePoint environment.

A significant portion of this project's funding is programmed to support the Office of Performance and Accountability (OPA) technology needs with AlexStat. The support for AlexStat is critical to implementation of the Budget Guidance and will contribute to the upcoming Open Data initiates.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green and Prospering City

- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

As the City's SharePoint system expands across the City's enterprise, there is anticipated to be an additional operating impact of $50,000 for hardware and software maintenance contracts and licensing requirements in FY 2017 (based on FY 2015 approved projects); increased by inflation beginning in FY 2018 and each year thereafter.

Municipal Fiber

Document Subsection: Network Services
Managing Department: Information Technology
Supporting Department(s): N/A
ORG: 55211912

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: Varies

Municipal Fiber													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	610,000	*210,000*	400,000	0	0	0	0	0	0	0	0	0	400,000
Financing Plan													
Prior City Funding	210,000	*210,000*											0
Cash Capital	300,000	*0*	300,000	TBD	TBD	0	0	0	0	0	0	0	300,000
Prior Year/Close-Out	100,000	*0*	100,000	0	0	0	0	0	0	0	0	0	100,000
Total Financing Plan	610,000	*210,000*	400,000	0	0	0	0	0	0	0	0	0	400,000
Additional Operating Impact													
Annual Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Cumulative Impact			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Changes from Prior Year CIP: Funding added in FY 2017													

Project Description & Justification

The City's Institutional Network (I-Net) connects over 90 City government and Alexandria school (ACPS) facilities. The I-Net relies on a private (dark fiber) fiber optic network provided to the City by Comcast under a franchise agreement. The current I-Net is designed using redundant ring topology. The ability for the City to segregate traffic and improve network performance is limited due to fixed fiber availability. Additionally, the performance degradation caused when too many sites are added on the network rings requires the City to maintain downstream sites that do not have network redundancy.

The City's Municipal Fiber project must be part of a larger plan for Municipal Broadband. Prior year funding in the amount of $210,000 was utilized to work on a business plan study of a City-owned fiber network and conduct an initial feasibility assessment and design study to install City-owned fiber and wireless broadband networks that are independent of the current institutional Network infrastructure.

FY 2017 funds would go towards additional business plan study driving a Request for Proposal (RFP) process.

Estimated costs of completing the I-Net portion of a municipal broadband strategy could be in excess of $10 million. Costs and private sector investment levels are not known at this time. Some of these costs would likely be offset by the elimination of Comcast fees, and the potential sales of fiber capacity.

The financial feasibility and structure of a City-owned municipal fiber network remains under study.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

Focus Area: Livable, Green and Prospering City

- Ensure Alexandria supports, retains, and attracts businesses

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is unknown at this time.

Remote Access

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): N/A
ORG: 55211910

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	1,043,000	*293,000*	150,000	150,000	150,000	150,000	75,000	75,000	0	0	0	0	750,000
Financing Plan													
Prior City Funding	293,000	*293,000*											0
Cash Capital	750,000	*0*	150,000	150,000	150,000	150,000	75,000	75,000	0	0	0	0	750,000
Total Financing Plan	1,043,000	*293,000*	150,000	150,000	150,000	150,000	75,000	75,000	0	0	0	0	750,000
Additional Operating Impact													
Annual Impact			0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002	152,387
Cumulative Impact			0	15,000	30,450	46,364	62,754	79,637	97,026	114,937	133,385	152,387	152,387

Changes from Prior Year CIP: Funding reduced by $100,000 in FY 2017, otherwise no changes from prior CIP.

Project Description & Justification

This project is required for 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.

The Citrix NetScaler Gateway appliances are reaching their end of life. We are planning on upgrading to the latest hardware in early FY 2017. This upgrade will increase performance and bring some additional capabilities to the Remote Access environment.

Funds in FY 2017 and those programmed in subsequent years of this plan will be used to procure new licensing, assess application compatibility, and procure related hardware devices.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional $15,000 is added beginning FY 2018 to account for increased security costs associated with employee teleworking initiatives. Costs are increased by inflation in FY 2019 and each year thereafter.

Data Center Relocation

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): General Services
ORG: 55212361, 45342362

Project Location: 2003 Mill Rd.
Reporting Area: Citywide
Project Category: IT Plan
Estimated Useful Life: Varies

Data Center Relocation													
	A (B+M)	*B*	C	D	E	F	G	H	I	J	K	L	M (C:L)
	Total Budget & Financing	*Through FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	6,500,000	*6,500,000*	0	0	0	0	0	0	0	0	0	0	0
Financing Plan													
Prior City Funding	6,500,000	*6,500,000*	0	0	0	0	0	0	0	0	0	0	0
Total Financing Plan	6,500,000	*6,500,000*	0	0	0	0	0	0	0	0	0	0	0
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: No changes from prior year CIP.

Project Description & Justification

The City's core Data Center, or Network Operations Center (NOC), currently located in Old Town, must be relocated to a suitable facility to support long term growth, take advantage of technological advances in data center management and to provide greater confidence in the reliability of network operations. City staff has been actively working with various vendors to mitigate immediate concerns, but a better long-term option is needed that will implement improvements to streamline and standardize the City's approach to data center management. Continuing to operate the City's NOC at its current location indefinitely presents various operational risks, with the potential for failure of the City's core IT systems, which will prevent the City from conducting necessary business for its residents and visitors.

Limitations and challenges within the current NOC include the requirement to consistently apply break/fix measures to the HVAC units to ensure appropriate temperatures are maintained. Failures in this area have resulted in equipment downtime and costly repairs. Currently, there is an inability to improve cool airflow due to height restrictions within the room and the clearances required by the existing fire suppression system. Electrical and space limitations prevent the installation of a centralized backup battery system that will provide sufficient run-time in the case of power outages and automatically shut-down equipment in the event of a generator failure.

This CIP project provided funds for the design of a new NOC to meet industry standards and best practices, and accommodate future growth. Prior year funds in the amount of $6.5 million have been included for all services and equipment needed for building construction technology design, and relocation of current equipment to the new NOC, along with purchases needed to facilitate the move. $3.2 million of the funding planned for this project will be managed by General Services for design and construction of the new NOC.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

An additional impact to the operating budget is not anticipated. Any increased costs will likely be offset from savings from moving the NOC from its current leased space.

Information Technology Lump Sum Funding

Document Subsection: Network Services
Managing Department: Multiple
Supporting Department(s) Multiple
ORG: TBD

Project Location: N/A
Reporting Area: Citywide
Project Category: IT Plan
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	20,082,000	*0*	0	0	0	250,000	3,395,000	3,265,000	3,687,000	3,155,000	3,130,000	3,200,000	20,082,000
Financing Plan													
Cash Capital	20,082,000	*0*	0	0	0	250,000	3,395,000	3,265,000	3,687,000	3,155,000	3,130,000	3,200,000	20,082,000
Total Financing Plan	20,082,000	*0*	0	0	0	250,000	3,395,000	3,265,000	3,687,000	3,155,000	3,130,000	3,200,000	20,082,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: Funding added for FY 2026. Funding reduced on average $690,00 per year to accommodate other high priority IT Plan investments.

Project Description & Justification

This project reserves IT project future funding in FY 2020 – FY 2026 in the proposed FY 2017 CIP. This funding will be applied to specific projects at a later time.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

Unknown at this time. Additional operating impacts will be identified as specific projects are identified.

Enterprise Camera System

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): Multiple
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: IT Plan
Estimated 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	50,000	*0*	50,000	0	0	0	0	0	0	0	0	0	50,000
Financing Plan													
Cash Capital	50,000	*0*	50,000	0	0	0	0	0	0	0	0	0	50,000
Total Financing Plan	50,000	*0*	50,000	0	0	0	0	0	0	0	0	0	50,000
Additional Operating Impact													
Annual Impact			0	0	0	0	0	0	0	0	0	0	0
Cumulative Impact			0	0	0	0	0	0	0	0	0	0	0

Changes from Prior Year CIP: New project added for FY 2017.

Project Description & Justification

This project funds a preliminary study and survey of all the City's existing camera systems that have been installed over the years. The goal is to consolidate multiple stand-alone systems into one city-wide enterprise system that can be centrally managed.

The new system will consolidate maintenance costs and access among other cost savings economies of scale that can come along with standardizing and centralizing the technology across the City. The system will utilize the City's backbone (I-Net) to transmit video more securely. The system will allow additional City facilities to be monitored remotely and could assist public safety when investigating reports of crime and/or vandalism.

FY 2017 funds will sustain project consultant services and staff augmentation to conduct the study.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure

Focus Area: Safe, Secure & Just Community

- Reduce harm to people and property from fire
- Increase survivability from medical emergencies and traumatic injuries
- Reduce crime
- Reduce harm to people or property from disasters
- Reduce harm to people or property from building failures

External or Internal Adopted Plan or Recommendation

- This project is included in the RCPA Department work plan to ensure maintenance standards are met and resident satisfaction with facility appearance and intended use are achieved.

Additional Operating Budget Impact

No additional operating budget impacts identified at this time.

Enterprise Service Catalog

Document Subsection: Network Services
Managing Department: Information Technology Services
Supporting Department(s): N/A
ORG: TBD

Project Location: Citywide
Reporting Area: Citywide
Project Category/Priority: IT Plan
Estimated Useful Life: 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 FY 2016*	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total FY 2017-2026
Expenditure Budget	100,000	*0*	100,000	0	0	0	0	0	0	0	0	0	100,000
Financing Plan													
Prior Year/Close-Out	100,000	*0*	100,000	0	0	0	0	0	0	0	0	0	100,000
Total Financing Plan	100,000	*0*	100,000	0	0	0	0	0	0	0	0	0	100,000
Additional Operating Impact													
Annual Impact			0	60,000	60,000	60,000	63,000	66,150	69,458	72,930	76,577	80,406	608,521
Cumulative Impact			0	60,000	120,000	180,000	243,000	309,150	378,608	451,538	528,115	608,521	608,521

Changes from Prior Year CIP: New project added for FY 2017.

Project Description & Justification

An enterprise service catalog is exactly what it sounds like: a list of services that providers can provide. In IT all areas can potentially provide service Help Desk with provisioning of devices, Project Management with customized services, Security with delivery of tools and support. Other departments such Human Resources with On/Off Boarding or requests for benefits. The catalog includes service descriptions, time frames, authorized users of the services, and costs, if applicable. To use your service catalog, the end user goes to a self-service portal to make his or her request.

This self-service portal should allow end users to search for the services they need, find necessary details about the service, and order right from their device. Once approvals are granted, the request is routed appropriately, and the user is instructed on how to check on the status of the request.

FY 2017 funds will be used for Phase 1 of the project that includes, acquisition of a SaaS license, implementation professional services and training.

City's Strategic Plan & Budget Guidance

Primary Strategic Plan Goal: Goal 5 – Financial Sustainability

Focus Area: Accountable, Effective & Well-Managed Government

- Ensure government is accountable to the community
- Achieve results the community values
- Ensure the fiscal strength of the City government

External or Internal Adopted Plan or Recommendation

- N/A

Additional Operating Budget Impact

The operating budget impact is estimated in $60,000/year SaaS license with incremental 5%/year contract after the 3rd year.

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

CITY ORDINANCE: 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: ESTABLISING 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

CITY COUNCIL FY 2017 BUDGET GUIDANCE

Resolution 2699

Setting Guidance for FY 2017 General Fund Operating Budget and Capital Improvement Program for FY 2017 – FY 2026

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 2017 budget.

WHEREAS, the City has held a series of public outreach efforts designed to collect community input into the development of the FY 2017 budget; and

WHEREAS, the City Council's budget deliberations and annual spending decisions reflect a balancing of the goals articulated in the City's Strategic Plan;

WHEREAS, through the Results Alexandria framework 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 and City staff 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 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 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; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF ALEXANDRIA THE FOLLOWING:

(a) Operating and Capital Improvement Program Expenditures: The City Manager may propose for Council consideration, increases in operating and capital project expenditures including compensation adjustments so long as any increased operating or capital project expense can be demonstrated as necessary to meet the strategic goals and outcomes of the City, and/or can be demonstrated to diminish a specific risk to the community. Likewise, the City Manager may propose decreases in operating and capital project expenditures provided the decrease can be demonstrated to be of lesser utility in achieving the goals and objectives of the City's Strategic Plan. 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.

(b) Taxes, Fees, Fines and Service Charges: In funding the proposed budget, the City Manager may consider changes to tax rates, tax designations/reservations, fees/fines/service charges that are equitable, fair and administratively feasible provided that these proposals are observant of the constraints imposed by the Code of Virginia. Such changes can only be considered where they advance the priorities of the Council as stipulated in this resolution, through Legislative Sessions, or the Council Retreat.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY COUNCIL FY 2017 BUDGET GUIDANCE

(c) Growth-oriented Tax Policy Changes: Informed by the recommendations of the Business Tax Reform Task Force, the work of the Alexandria Economic Development Partnership, and the work of the Finance Department, the City Manager may consider changes to the business tax policy through administrative regulation/procedural changes as well as any tax rate or policy changes, that the City Manager believes will promote in a cost-effective manner the short/medium-term commercial tax revenue growth and that aligns with the City's targeted economic development strategies.

(d) Cost Saving Measures: The City Manager shall continually identify and implement cost saving measures and efficiencies in all City and School operations and consider reduction of service levels where the performance exceeds the level required by the community, where the current level of service is not a strategic priority, or where performance, over time, has not achieved the desired outcomes.

(e) City Workforce: The City Manager shall ensure that the proposed budget includes employee compensation (salary and benefits) that recognizes strong performance and continues investments in professional growth and development opportunities The City Manager shall also incorporate into the 5-Year Financial Planning Model a compensation strategy that enables the City to achieve and maintain pay competitiveness for positions throughout the organization, including correcting inequitable pay practices and compensation structures, in an effort to attract and retain top talent. The compensation strategy should be considered within the City's overall priorities and investment obligations.

(f) 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.

(g) CIP: The proposed FY 2017-2026 CIP shall incorporate the following:

- Compliance with the City's adopted/proposed Debt Related Financial Policy Guidelines for any debt issuance planned for FY 2017 through FY 2026;
- An updated proposal for financing the planned Potomac Yard Metrorail station.
- Consistency with the City's adopted cash capital investment policy of a General Fund cash capital transfer amount of between 2.0% and 2.5% of General Fund revenues;
- The optional use, as determined by the City Manager, of an additional General Fund operating budget surplus from FY 2016, if any, as commitment for capital projects in FY 2017 and beyond;
- Specific descriptions of projects that can be funded within recommended levels of funding, and their associated operating costs, estimated for all years of the CIP; and,
- Proposed amendments to the City's Debt Related Financial Policy Guidelines necessary for the proposed Potomac Yard Metrorail station project, and for other priority capital purposes.

(h) ACPS Funding: That the City Manager, (1) recommend for transfer to the Alexandria City Public Schools an appropriation equal to the amount approved by City Council for FY 2016, except that the City Manager may vary from FY 2016 approved appropriation if specifically to address anticipated changes in student enrollment, expense changes resulting from cost saving measures employed by ACPS, or cost changes which results from efficiencies gained through the sharing of services with other entities, and (2) develop options for potential funding of proposed public school capital needs for the FY 2017 through FY 2026 time period.

(i) 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.

(j) Non-Profit Partnerships: The City Manager shall seek to incorporate the recommendations of the Alexandria Fund for Human Services (AFHS) Citizen Review Committee in the proposed budget.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY COUNCIL FY 2017 BUDGET GUIDANCE

(k) Disposition of Surplus Property: As detailed in the approved Housing Master Plan, the City Manager shall identify any surplus property that may be appropriate for alternate disposition for social service needs in furtherance of the City's Strategic Plan. Revisions to the Real Estate Disposition Policy shall be proposed as appropriate.

(l) 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:

1. Reintroduce the add/delete spreadsheet that was produced by OMB prior to the FY 2016 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 this 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 accompanies by an add/delete spreadsheet in which the sum of the individual Council member's add and deletes 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 2017, April 21].
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 2017, April 26].
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 2017, April 28].
6. Completed Council Budget Proposals, with funding, will be circulated to Council and the public the Friday prior to budget adoption [for FY 2017, April 29].
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 2017, May 2].
9. Final decisions will be made available to the public 48 hours prior to budget adoption [for FY 2017, May 3].
10. Budget Adoption will occur on May 5, 2016 with all City Council Budget Proposals, those approved and those not approved, made public upon adoption of the budget.

Adopted: November 24, 2015

WILLIAM D. EUILLE MAYOR

ATTEST:

Jacqueline M. Henderson, MMC City Clerk

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY RESOLUTION: BUDGET ADPOTION

Resolution No. 2698

Budget Resolution Establishing the Process To Be Used To Adopt Operating Budgets and Capital Improvement Programs

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, and 2368 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, the 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, the 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, the 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.

(4) That the City Manager shall submit a proposed Operating Budget and Capital Improvement Program to the City Council. 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.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY RESOLUTION: BUDGET ADPOTION

Section (b) The Budget Submission to City Council by the Alexandria Public Schools (ACPS)

(5) That the Alexandria City School System 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 5 to 10 years, (c) the outlook for possible budget reductions and increases in fees, fines and charges for services, (d) the outlook for Federal and State grants, and the costs of meeting unfunded Federal and State mandates, both current mandates and projected new mandates.

(6) That the Board of the Alexandria City Public Schools is requested to adopt a Capital Improvement Program no later than December 17, 2015 and an Operating Budget no later than March 3, 2016 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.

(12) That City Council plans to adopt such a budget resolution.

Section (d) Proposed Budget for the City of Alexandria

(12) 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.

(13) 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).

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY RESOLUTION: BUDGET ADPOTION

Section (e) Maximum Expenditure Levels May Not Exceed Sum of Projected Revenue and Appropriation from Fund Balance in Proposed Budget

14) 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) with a majority (4 of 7) of Council's support for the proposal or an OMB technical adjustment at least 14 days prior to the adoption of the budget in accordance with the FY 2016 Rule of Engagement for the Add/Delete Process.

(15) 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 continue unless otherwise amended in the future by City Council.

Adopted: November 24, 2015

WILLIAM D. EUILLE MAYOR

ATTEST:

Jacqueline M. Henderson, MMC City Clerk

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY REDUCTION IN FORCE (RIF) POLICY

Supersedes: A.R. 6-22 dated January 18, 2012	Title: REDUCTION-IN-FORCE	Number: 6 - 22 Effective Date: February 20, 2014
Related Documents:		Sections: I-XIII 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. 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.
   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.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY REDUCTION IN FORCE (RIF) POLICY

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 of pay
6 to 10	10%	3 weeks of pay
11 to 15	15%	4 weeks of pay
16 to 19	20%	5 weeks of pay
20 or more	25%	6 weeks of 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.

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).

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY FINANCIAL POLICIES

The following pages provide the principles and policies that guide the City's overall financial management. These policies include :

- **Debt Related Financial Policy Guidelines** - These policies guide City Council and staff in determining the debt capacity of the City, managing the impact of debt service on the operating budget, and maintaining adequate fund balances to cope with un-expected financial problems or emergencies.
- **Investment Policy** – These policies guide the City's Treasurer in the management of all cash and cash equivalents, defined in the City of Alexandria's Comprehensive Annual Financial Report (CAFR), excluding pension funds.
- **Financial Management Self-Assessment Using Standard and Poor's Rating Criteria** – The City prepares this every year prior to going to the rating agencies for the affirmation of our credit rating. This checklist provides a self-assessment of all financial policies and procedures relevant to maintaining the City's financial sustainability.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY FINANCIAL POLICIES

Debt Related Financial Policies—Debt Ratios

City Council passed a set of debt-related financial policies on June 9, 1987. During FY 1998, the Budget and Fiscal Affairs Advisory Committee (BFAAC), a City Council appointed citizen committee, analyzed these debt-related financial policies, and examined the City's financial condition in comparison to other jurisdictions with superior credit ratings (other double-triple A rated jurisdictions). The BFAAC and the City Manager recommended that City Council reaffirm the updated debt-related financial policies, incorporating BFAAC's recommended updates to the policies to establish a consistent set of appropriate relationships between debt targets and limits. Because three of the six debt indicators measure the debt capacity of the City in relation to the size of the City and its economy, BFAAC recommended that these indicators should not produce debt capacity limits that vary greatly from each other. Note the terminology has been updated to reflect required changes to government accounting rules.

City Council reaffirmed its commitment to sound financial management and adopted the updated debt-related financial policies on December 9, 1997. City Council amended the policies on October 26, 1999, to allow priority consideration for an increase in the assignment of fund balance for capital project funding.

On June 24, 2008, City Council 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.
These updated polices are as follows:

Debt as a Percentage of Fair Market Real Property Value	
Target	**Limit**
1.1%	1.6%

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 as a Percentage of Total Personal Income	
Target	**Limit**
3.2%	4.5%

This percentage is a measure of the capacity of citizens to finance tax-supported debt. A lower percentage means that taxes required to repay debt represent a smaller portion of the average citizen's income.

Debt Service as a Percentage of General Government Expenditures	
Target	**Limit**
8.0%	10%

This ratio is a measure of the City's ability to repay debt without hampering other City services. A small ratio indicates a lesser burden on the City's operating budget.

CITY OF ALEXANDRIA, VIRGINIA

Legislative References

CITY FINANCIAL POLICIES

Unassigned/Uncommitted General Fund Balance as a Percentage of General	
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 2015 Comprehensive Annual Financial Report, is repeated here:

City of Alexandria, Virginia Computation of Legal Debt Margin as of January 1, 2015	
Assessed Value of Real property, January 1, 2015	$37,146,860,126
Debt Limit: 10 Percent of Assessed Value	$3,714,686,012
Amount of Debt Applicable to Debt Limit:	
General Obligation Bonds	$540,495,000
Less Total General Obligation Debt	($540,495,000)
LEGAL DEBT MARGIN REMAINING	$3,174,191,012

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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.

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City of Alexandria, Virginia
Investment Policy
Revised December 17, 2014

Policy Statement
It is the policy of the City of Alexandria (City) that the administration of deposits of cash and cash equivalents, and their investment, shall be handled as its highest public trust. Investments shall be made in a manner that provides maximum security of principal invested and conforms to all applicable statutes of the Commonwealth of Virginia governing the investment of public funds. The portfolio may consist of obligations of the Commonwealth of Virginia, obligations of the United States and certain Agencies thereof, obligations of Virginia municipalities, "prime quality" commercial paper, Certificate of Deposit Account Registry Service (CDARS), Insured Cash Sweep Service (ICS), the Virginia Local Government Investment Pool (LGIP)and the Virginia Investment Pool (VIP). The portfolio shall have an average maturity of up to three years, while remaining liquid to meet the daily cash flow needs of the City. The receipt of a market rate of return will be secondary to safety and liquidity requirements.

Scope
This investment policy applies to all deposits of cash and cash equivalents, defined in the City's Comprehensive Annual Financial Report (CAFR), excluding retirement funds. The City commingles its funds into one pooled investment fund for efficiency and maximum investment opportunity. Any new deposits of cash and cash equivalents will also be commingled unless specifically exempted by City Council and this policy. Investment income will be allocated to the various funds based on their respective participation and in accordance with generally accepted accounting principles.

Objective and Strategy
It is the policy of the City that all deposits of cash and cash equivalents shall be managed and invested with three primary objectives, listed in order of their priority: safety, liquidity and yield.

a. Safety of Principal. Safety of principal is the foremost objective of the City. Investments of the City shall be made in a manner that seeks to ensure the preservation of capital in the overall portfolio. The objective will be to mitigate credit risk and interest rate risk.

The City will minimize credit risk, the risk of realizing a loss due to the failure of the security issuer or backer, by:

- Limiting investments to the safest types of securities.
- Pre-qualifying the financial institutions, brokers/dealers, intermediaries and advisers with which the City will do business.
- Diversifying the investment portfolio so that potential losses on individual securities will be minimized.

The City will minimize interest rate risk, the risk of realizing a loss due to the market value of securities in the portfolio falling as a result of changes in general interest rates, by:

- Structuring the investment portfolio so that securities mature to meet cash requirements for ongoing operations, thereby avoiding the need to sell securities on the open market prior to maturity.
- Investing operating funds primarily in shorter-term securities.

b. Liquidity. The City's investment portfolio will remain sufficiently liquid to enable it to meet all operating requirements that might be reasonably anticipated. This will be accomplished by structuring the portfolio so that securities mature concurrent with cash needs to meet anticipated demands. Furthermore, since all possible cash demands cannot be anticipated, the portfolio will maintain a cushion of liquid securities with active secondary or resale markets.

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Cash flow forecasting is designed to ensure adequate liquid funds to meet the City's cash flow requirements. Supplemental to the financial and budgetary systems, the Assistant Director/Treasury will maintain a cash flow forecasting process designed to monitor and forecast cash positions for investment purposes.

c. Yield. The City's investment portfolio shall be structured with the objective of attaining a market rate of return throughout budgetary and economic cycles, taking into account the City's investment risk constraints and liquidity needs. "Market rate of return" is defined as the 2-year Treasury constant maturity as reported in H.15 Selected Interest Rates on the Board of Governors of the Federal Reserve Systems' website. Return on investment is of secondary importance compared to the safety and liquidity objectives described above. The core of investments is limited to relatively low risk securities in anticipation of earning a fair return relative to the risk being assumed. Securities may be sold prior to maturity in the following situations:

- A security with declining credit may be sold early to minimize loss of principal.
- Liquidity needs of the portfolio require that the security be sold.
- The sale realizes gains that can be reinvested for additional yield.

Legal Authority
The legal authority and limitations for the investment of public funds in Virginia are found in the Investment of Public Funds Act (Code of Virginia § 2.2-4500 et seq. (as amended)) and in the Local Government Investment Pool Act (Code of Virginia § 2.2-4600 et seq. (as amended)).

City's Investment Committee
The Deputy City Manager, Director of Finance and Assistant Director, Treasury are designated as the City's Investment Committee and are responsible for investment management decisions and activities. The Investment Committee is responsible for considering the ability of City staff and brokers/dealers involved with investment management and procedures. All participants in the investment process shall act responsibly as custodians of the public trust. The Investment Committee shall review the City's investment portfolio and cash flow forecast at least monthly.

The Investment Committee shall be responsible for all investment transactions and shall implement sufficient controls to protect City funds. City staff and brokers/dealers shall not engage in any investment transaction except as provided under the terms of this policy and the written procedures.

Standard of Care and Limitation of Liability
Public funds held by the City shall be held in trust for the citizens of Alexandria. Any investment of such funds pursuant to this policy shall be made solely in the interest of the citizens of Alexandria and with the care, skill, prudence and diligence under the circumstances then prevailing that a prudent person acting in like capacity and familiar with such matters would use in the conduct of an enterprise of a like character and with like aims. See Code of Virginia § 2.2-4514.

When investments are made in accordance with this policy, the Investment Committee shall not be liable for any loss therefrom in the absence of negligence, malfeasance, or nonfeasance on their part or on the part of City staff performing investment and cash management functions. See Code of Virginia § 2.2-4516.

Ethics and Conflicts of Interest
Investment Committee members and City staff involved in the investment process and brokers/dealers shall refrain from activity that could conflict with the proper execution and management of the investment program, or that could impair their ability to make impartial decisions. Investment Committee members and City staff involved in the investment process and brokers/dealers shall disclose any interests in financial institutions with which they conduct business, and shall refrain from entering into personal investment transactions with the same individual with whom business is conducted on behalf of the City. In addition to the foregoing, Investment Committee members and City staff shall comply with, as applicable, the State and Local Government Conflict of Interests Act (Code of Virginia § 2.2-3100 et seq. (as amended)) and City Code Article I (Ethics in Public Contracting), Chapter 3, Title 3 (as amended).

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Internal Controls

In addition to this Policy, the Investment Committee shall develop written procedures that specifically identify the responsibilities of the City, broker/dealer and custodian for each investment transaction. Annually, the City's independent auditors will review the written procedures, which are designed to prevent loss of public funds due to fraud, employee error, misrepresentation by third parties or imprudent actions by City staff involved in the investment process. The process shall be structured to provide reasonable assurance that these objectives are met. The concept of reasonable assurance recognizes that (1) the cost of a control should not exceed the benefits likely to be derived and (2) the valuation of costs and benefits requires estimates and judgements by management. The procedures shall include separation of transaction authority from accounting and record keeping, independent third party custodial safe keeping, clear delegation of authority and responsibility, written confirmation of purchase/sale approval, written transaction receipts and explicit wire transfer instructions.

Authorized Financial Dealers and Institutions

All investment transactions undertaken on behalf of the City must be restricted to approved brokers/dealers. The Investment Committee shall maintain a list of brokers/dealers, which are approved for investment purposes. Investment Committee members and City staff involved in the investment process shall not conduct business with any securities dealer with whom or through whom public entities have paid excessive prices or have sustained losses on investments through mismanagement by the securities dealer. The Investment Committee must periodically (at least annually) assess the financial strength and integrity of the brokers/dealers and the individual account representatives with whom it does business. The following criteria must be met by those firms on the list:

a. Provide an audited financial statement for the most recent period.
b. Proof of certification by the National Association of Securities Dealers.
c. Proof of current registration with the State Securities Commission.
d. Completion of the City's broker/dealer questionnaire.

In addition, the supervising officers at the custodial bank and each broker/dealer shall submit certifications that they have reviewed this investment policy and agree to disclose potential conflicts or risks to public funds that might arise out of business transactions between the broker/dealer, custodial bank and the City. Each broker/dealer will implement sufficient controls and procedures to prevent unauthorized investment of City funds.

The supervising officer of the broker/dealer and custodial bank shall agree to exercise due diligence in monitoring the activities of other officers and subordinate staff members engaged in transactions with the City. Employees of any firm or financial institution offering securities or investments to the City shall be trained in the precautions appropriate to public sector investments and shall be required to familiarize themselves with the City's investment objectives, policies and constraints.

Authorized Investments

Under this policy, investments shall be limited to the instruments listed below. The investments are to be chosen in a manner that promotes diversity of issuer and maturity. The choice of high-grade government instruments is designed to ensure the marketability of those investments should liquidity needs arise.

a. Obligations of the Commonwealth of Virginia
   Stocks, bonds, notes, and other evidences of indebtedness of the Commonwealth and those unconditionally guaranteed as to the payment of principal and interest by the Commonwealth. See Code of Virginia § 2.2-4501(A)(1).

   Requirement for Direct City Purchases (Not Applicable to LGIP and VIP)– Rated AA+ or better by Standard & Poor's Rating Services or Aa1 or better by Moody's Investors Service.

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b. Obligations of the United States and certain Agencies thereof
Bonds, notes and other obligations of the United States, and securities unconditionally guaranteed as to the payment of principal and interest by the United States, or any agency thereof. See Code of Virginia § 2.2-4501(A)(2).

Requirement for Direct City Purchases (Not Applicable to LGIP and VIP) – No asset backed paper. Purely straight forward "vanilla" direct debt from the United States Treasury, Federal Home Loan Bank (FHLB) and Federal Farm Credit Bank (FFCB), which has a liquid market and a readily determinable market value. No investment in Federal National Mortgage Association (FNMA) and Federal Home Loan Mortgage Corporation (FHLMC) until authorized by this Investment Policy.

c. Obligations of Virginia Municipalities
Stocks, bonds, notes and other evidences of indebtedness of any county, city, town, district, authority or other public body in the Commonwealth upon which there is no default; provided, that if the principal and interest be payable from revenues or tolls and the project has not been completed, or if completed, has not established an operating record of net earnings available for payment of principal and interest equal to estimated requirements for that purpose according to the terms of the issue, the standards of judgment and care required in Article 9 (§ 64.2-780 et seq.) of Chapter 7 of Title 64.2, without reference to this section, shall apply. See Code of Virginia § 2.2-4501(A)(4).

Requirement for Direct City Purchases (Not Applicable to LGIP and VIP)– Rated AA+ or better by Standard & Poor's Rating Services or Aa1 or better by Moody's Investors Service.

d. "Prime Quality" Commercial Paper
"Prime quality" commercial paper, with a maturity of 270 days or less, of issuing corporations organized under the laws of the United States, or of any state thereof including paper issued by banks and bank holding companies. "Prime quality" shall be as rated by at least two of the following: Moody's Investors Service, Inc., within its NCO/Moody's rating of prime 1, by Standard & Poor's, Inc., within its rating of A-1, by Fitch Investor's Services, Inc., within its rating of F-1, by Duff and Phelps, Inc., within its rating of D-1, or by their corporate successors, provided that at the time of any such investment:

1. The issuing corporation, or its guarantor, has a net worth of at least fifty million dollars; and
2. The net income of the issuing corporation, or its guarantor, has averaged three million dollars per year for the previous five years; and
3. All existing senior bonded indebtedness of the issuer, or its guarantor, is rated "A" or better or the equivalent rating by at least two of the following: Moody's Investors Service, Inc., Standard & Poor's, Inc., Fitch Investor's Services, Inc., or Duff and Phelps, Inc.

Not more than thirty-five percent of the total funds available for investment may be invested in commercial paper, and not more than five percent of the total funds available for investment may be invested in commercial paper of any one issuing corporation. See Code of Virginia § 2.2-4502(A).

Requirement for Direct City Purchases (Not Applicable to LGIP and VIP) – No asset backed paper. Purely straight forward "vanilla" direct debt of the issuer. Commercial paper must be rated A1/P1 (or better) and on City's approved list of commercial paper issuers. Committee will discuss approved issuers with negative outlook on debt.

e. CDARS and ICS
For investments in CDARS and ICS, the investment must be made in accordance with the following conditions:

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1. The moneys are initially invested through any federally insured bank or savings institution selected by the public entity that is qualified by the Virginia Treasury Board to accept public deposits;
2. The selected bank or savings institution arranges for the deposit of the moneys in one or more federally insured banks or savings institutions wherever located, for the account of the public entity;
3. The full amount of principal and any accrued interest of each such deposit is covered by federal deposit insurance;
4. The selected bank or savings institution acts as custodian for the public entity with respect to each deposit issued for the public entity's account; and
5. At the same time that the public entity's moneys are deposited, the selected bank or savings institution receives an amount of deposits from customers of other financial institutions wherever located equal to or greater than the amount of moneys invested by the public entity through the selected bank or savings institution.
6. After deposits are made in accordance with the conditions prescribed in subsection e, 1 – 5, such deposits shall not be subject to the provisions of Chapter 44 (§ 2.2-4400 et seq.), § 2.2-4515, or any security or collateral requirements that may otherwise be applicable to the investment or deposit of public moneys by government investors.

   See Code of Virginia § 2.2-4518.
   Requirement for Direct City Purchases (Not Applicable to LGIP and VIP) – Deposit bank must be rated performing or better by Bankrate.com at time of purchase

f. LGIP
   Established by Code of Virginia § 2.2-4602.
   See Code of Virginia § 2.2-4600 et seq.

g. VIP
   Established by Trust Fund Agreement. Authorized by City Council on January 25, 2014.

The Investment Committee must review the portfolio at least monthly to ensure compliance with the City's investment policy and to review the credit ratings of all securities in the investment portfolio. The Investment Committee and dealer/broker will review any investment that no longer meets the original purchase requirements and will discuss available alternatives to arrive at an agreed upon course of action.
Relative Value Requirement. Securities will only be purchased after comparing prices with two similar securities to ensure that the City is receiving fair market value/price for the investment. Records of the comparisons will be kept to justify each investment decision.

Delivery Versus Payment. All security transactions, entered into by, or on behalf of, the City, shall be conducted on a delivery versus payment (DVP) basis. The Assistant Director/Treasury must receive written trade confirmation tickets within three business days of all trades. An Accounting Division reporting manager who is not authorized to buy or sell securities for this portfolio must receive copies and review the written trade confirmation tickets. The written trade confirmation ticket must provide the trade date, par value, maturity, interest rate, price, yield, settlement date, description of security purchased, issuer's name, amount due, third-party custodial information and show the City as owner of the security.

Unauthorized Investments

a. The City will not "sell short," i.e., sell something it does not own in anticipation of buying it later at a lower price.
b. The City will not buy on margin.
c. The City will not contract for future delivery
d. The City will not deal in futures or options of any kind.
e. The City will not purchase derivatives.

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f. The City will not purchase asset-backed securities.
g. The City will not purchase collateralized mortgage obligations.
h. The City will not purchase pass-through securities.
i. The City will not purchase inverse floaters.
j. The City will not purchase principal only or interest only strips.
k. The City will not purchase range bonds.

Diversity and Maturity Limitations
The investment portfolio shall be diversified by:

- limiting investments to avoid overconcentration in securities from a specific issuer or business sector (excluding U.S. Treasury securities, CDARS and ICS),
- limiting the number of securities in the portfolio that have a higher risk of credit default,
- investing in securities with varying maturities, and
- continuously investing a portion of the portfolio in the Virginia Local Government Investment Pool (LGIP) or the Insured Cash Sweep Service (ICS) to ensure that appropriate liquidity is maintained in order to meet on-going obligations.

Diversification strategies shall be established and periodically reviewed. At a minimum, diversification standards by security type and issuer shall be:

	Security Type	Maximum Percentage of the Total Funds Available for Investment
A.	Obligations of the Commonwealth of Virginia	40%
B.	Obligations of the United States and certain Agencies thereof	75%
C.	Obligations of Virginia Municipalities	40%
D.	“Prime Quality” Commercial Paper (in total)	25%
E.	Commercial Paper of any one Issuing Corporation	5%
F.	CDARS	75%
G.	ICS	40%
H.	LGIP	75%
I.	VIP	75%

The Assistant Director/Treasury shall diversify maturities, and to the extent possible, match investments with anticipated cash flow requirements. Matching maturities with cash flow dates will reduce the need to sell securities prior to maturity, thus reducing market risk.

The average maturity of the City's investment portfolio at the end of any given month shall be up to three years. No less than $15 million will be invested in securities with maturities of 14 days or less. Excluding LGIP and VIP, securities with more than 60 months to maturity are not authorized for the City’s investment portfolio.

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Safekeeping (for securities other than LGIP, CDARS, ICS and VIP)
All trades where applicable will be executed by delivery versus payment (DVP) to ensure that all securities are deposited in an independent third party custodial bank prior to the release of funds. Securities will be held by a custodial bank that is not otherwise a counterparty to the investment transaction, in the City's name and subject to the City's order of withdrawal. The custodial bank may not be within the same holding company as the bank from which the securities are pledged. At no time will the City's securities be commingled with those of other investors. The custodial bank shall deliver securities to the City in the event of default by a counterparty to the investment transaction.

All safekeeping arrangements shall be approved by the Investment Committee and an agreement of the terms executed in writing. The third-party custodian shall issue original safekeeping receipts to the Assistant Director/Treasury, listing each specific security, rate, description, maturity and CUSIP number (9-digit alphanumeric code that identifies a North American financial security). Each safekeeping receipt will clearly state that the security is held in the City's name, subject to the City's order of withdrawal.

Perfected Security Interest
To ensure the City has a perfected security interest, the Investment Committee must issue written authorization before selling any security from the City's investment portfolio. Prior to making a purchase on behalf of the City, the broker/dealer must notify the City's Investment Committee of the par value, maturity range and type of security to be purchased.

Performance Evaluation and Reporting
At least quarterly, the Assistant Director/Treasury shall submit monthly reports to the Investment Committee containing sufficient information to permit an informed outside reader to evaluate the performance of the investment program. The reports will be prepared and reviewed by individuals who are not responsible for buying and selling securities. In addition, the market value of the portfolio shall be calculated and reported at least monthly. The reports will summarize investment activity and may include the following information:

Monthly Investment Portfolio Inventory Reports. Securities will be grouped by type, and may include the following information:

- Name of issuer
- Par amount
- Coupon Rate
- Contractual maturity date
- Call date, if applicable
- Amortized cost (book value)
- Fair value (market value)
- Expected yield
- Unrealized gain or loss
- Credit rating
- CUSIP number
- Purchase price
- Original dollar amount of premium or discount
- Yield to maturity or total return if held to maturity
- Yield to call, or total return if held to call, if applicable
- Interest received
- Accrued interest
- Amortized/Accretion Premium/Discount
- Percentage of total portfolio that specific security comprises

Monthly Investment Portfolio Activity Reports. Listing of purchases, sales, calls, maturities, interest received, rating upgrades and rating downgrades, and beginning and ending par, book and market values.

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Monthly Investment Portfolio Liquidity Reports. Listing of investments by maturity date, and a maturity breakdown of the portfolio by type of investment and by time period.

Monthly Investment Portfolio Earnings Summary Reports. Listing of interest earnings accrued, amortization/accretion and total earnings for the month and fiscal year-to-date.

Monthly Investment Portfolio Unrealized Gains and Losses Report.

Monthly Investment Portfolio Performance Reports. Listing of average weighted yield-to-maturity and yield-at-cost for current month and fiscal year-to-date, with comparison to the two year Treasury reported by the Federal Reserve.

Monthly Investment Policy Compliance Report. Report shows that portfolio meets policy requirements regarding investment types, maturities and diversification.

Policy Considerations

This policy shall be reviewed on an annual basis. The City's Investment Committee must approve any change.

APPENDICES

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Appendix A: Projects Removed from the CIP

Prior Year Projects Deleted in the FY 2017 - 2026 Capital Improvement Program

A number of projects that were listed in the prior year Capital Improvement Program (CIP) no longer appear in the FY 2017 – 2026 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.

Community Development

- King Street Plan Implementation – funding eliminated to fund other priority CIP investments.
- City Marina Waterfront Dredging – funding eliminated to fund other priority CIP investments. Staff does not believe that the marina will require dredging in FY 2021 and FY 2022, as was planned in the prior CIP, and deferred to at least FY 2027.

Recreation & Parks

- Renovation & Proactive Capital Management of Urban Forest - funding eliminated to fund other priority CIP investments. Staff will consider ways to include aspects of this project in future City operating budget requests.

Public Buildings

- Citywide Storage Capacity Assessment – majority of project work has been completed and is nearing a Pending Close-Out status. No additional funding requests are anticipated for this project.
- City Hall Security Enhancements – project has been concluded and completed the close-out process.
- Elevator Replacement/Refurbishment – this project has been folded into the Capital Facilities Maintenance Programs (CFMPs) projects.
- Fleet Facility Air Handling Units (AHUs) - project has been concluded and completed the close-out process.
- Archives Public Records and Archaeology Storage Expansion - majority of project work has been completed and is nearing a Pending Close-Out status. No additional funding requests are anticipated for this project.
- Torpedo Factory Repairs – majority of project work has been completed. No additional repairs are anticipated at this time, but staff will submit a new CIP request when needs are identified.
- Courthouse-General District Court Clerk's Office Payment Center - majority of project work has been completed and is nearing a Pending Close-Out status. No additional funding requests are anticipated for this project.
- Adult Detention Center HVAC Replacement - project has been concluded and completed the close-out process.

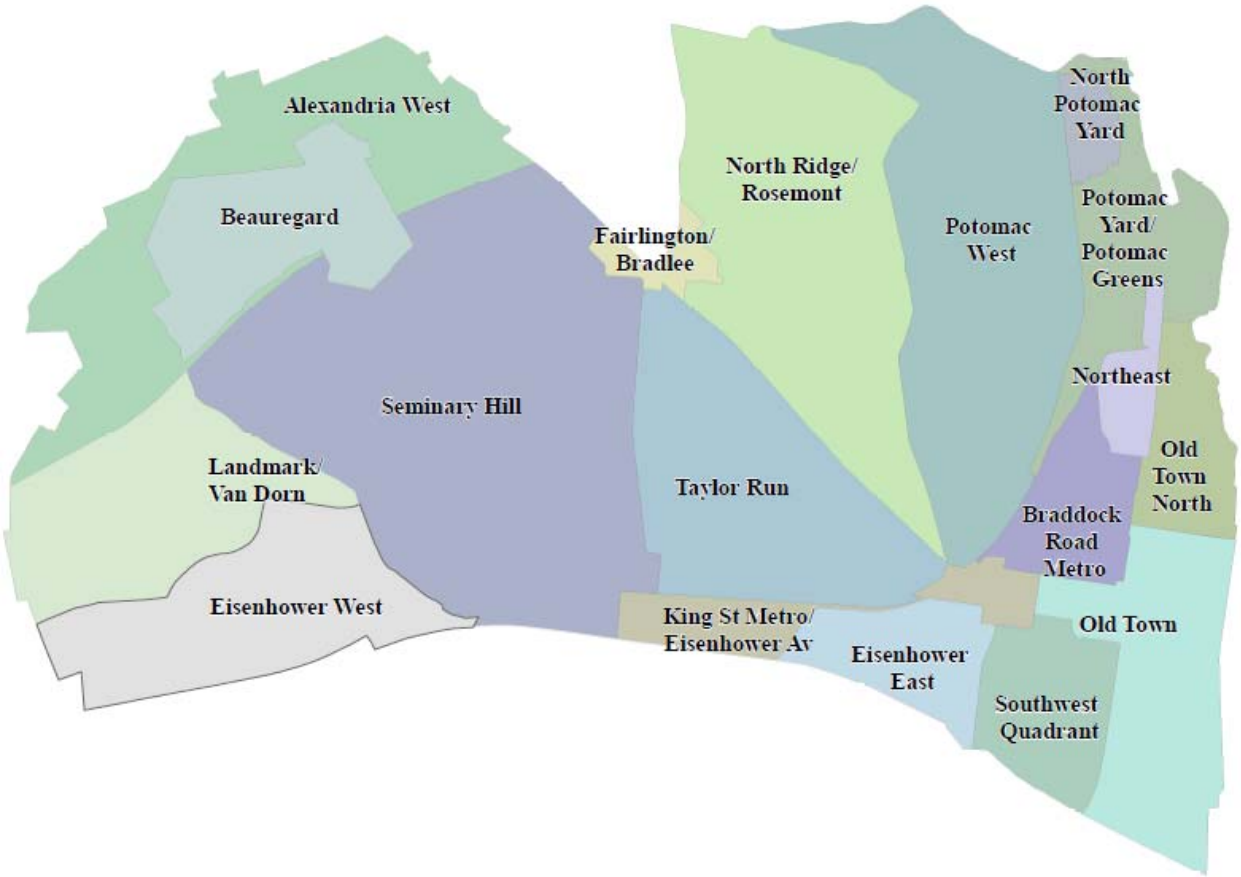
Transit & Transportation

- Transit Corridor "A" – Crystal City / Potomac Yard Streetcars – Arlington County has eliminated funding for their portion of this project. Correspondingly, the City has eliminated funding for this project.
- Access to Transit – no additional funding has been requested for this project. Aspects of this project are being rolled into the Bicycle Parking at Metro Stations project.
- Duke Street Reconstruction – defined/primary scope of project have been completed, and project is pending close-out.

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)



CIP Projects by Reporting Area

Reporting Area	Project	CIP Section
Alexandria West	Health Department CFMP	Public Buildings
Alexandria West	Health Dept Garage Concrete Deck & Parking Restoration	Public Buildings
Alexandria West	King & Beauregard Intersection Improvements	Transportation
Beauregard	BRAC Neighborhood Protection Plan	Transportation
Braddock Road Metro	Braddock Road Area Plan - Streetscape Improvements	Community Development
Braddock Road Metro	Fire Station 205 (Cameron Street)	Public Buildings
Braddock Road Metro	Braddock Area Plan Park	Recreation & Parks
Braddock Road Metro	Old Town Pool Renovations	Recreation & Parks
Citywide	ACPS Total Funding (Requested is ACPS Approved CIP)	ACPS
Citywide	Body Cameras	Community Development
Citywide	Citywide Street Lighting	Community Development
Citywide	Environmental Restoration	Community Development
Citywide	Fire Department SCBA Replacement	Community Development
Citywide	Fire Department Vehicles & Apparatus	Community Development
Citywide	Public Art Acquisition	Community Development
Citywide	Public Art Conservation Program	Community Development
Citywide	Transportation Signage & Wayfinding System	Community Development
Citywide	AJIS Enhancements	IT Plan
Citywide	AlexStat Software	IT Plan
Citywide	Application Portfolio Management	IT Plan
Citywide	Business Tax System/Reciprocity Contractor System	IT Plan
Citywide	Computer Aided Dispatch (CAD) System Replacement	IT Plan
Citywide	Connectivity Initiatives	IT Plan
Citywide	Customer Relationship Management System	IT Plan
Citywide	Data Center Relocation	IT Plan
Citywide	Database Infrastructure	IT Plan

CIP Projects by Reporting Area

Reporting Area	Project	CIP Section
Citywide	Document Imaging	IT Plan
Citywide	Electronic Government/Web Page	IT Plan
Citywide	Electronic Health Records (EHR) Replacement	IT Plan
Citywide	Employee Pension Administration System	IT Plan
Citywide	EMS Records Management System	IT Plan
Citywide	Enterprise Camera System	IT Plan
Citywide	Enterprise Collaboration	IT Plan
Citywide	Enterprise Data Storage Infrastructure	IT Plan
Citywide	Enterprise Maintenance Mgmt System	IT Plan
Citywide	Enterprise Resource Planning System	IT Plan
Citywide	Enterprise Service Catalog	IT Plan
Citywide	GIS Development	IT Plan
Citywide	HIPAA & Related Health Information Technologies	IT Plan
Citywide	Information Technology Equipment Replacement	IT Plan
Citywide	Information Technology Lump Sum Funding	IT Plan
Citywide	IT Enterprise Management System	IT Plan
Citywide	LAN Development	IT Plan
Citywide	LAN/WAN Infrastructure	IT Plan
Citywide	Library Information Technology Equipment Replacement	IT Plan
Citywide	Library Public Access Computers and Print Mgmt System	IT Plan
Citywide	Migration of Integrated Library System to SAAS Platform	IT Plan
Citywide	Municipal Fiber	IT Plan
Citywide	Network Security	IT Plan
Citywide	Network Server Infrastructure	IT Plan
Citywide	Permit Processing	IT Plan
Citywide	Personal Property Tax System	IT Plan

CIP Projects by Reporting Area

Reporting Area	Project	CIP Section
Citywide	Project Management Software	IT Plan
Citywide	Real Estate Account Receivable System	IT Plan
Citywide	Real Estate Assessment System (CAMA)	IT Plan
Citywide	Recreation Database System	IT Plan
Citywide	Remote Access	IT Plan
Citywide	Replacement of City Voting Equipment	IT Plan
Citywide	Security Cameras for TES facilities	IT Plan
Citywide	Upgrade Work Station Operating Systems	IT Plan
Citywide	Voice Over Internet Protocol (VoIP)	IT Plan
Citywide	Alexandria Library Security Enhancements	Public Buildings
Citywide	Capital Planning & Building Assessment (Condition Assessment)	Public Buildings
Citywide	City Historic Facilities CFMP	Public Buildings
Citywide	Deduction Meter Implementation	Public Buildings
Citywide	Emergency Generators	Public Buildings
Citywide	Energy Management Program	Public Buildings
Citywide	Fire & Rescue CFMP	Public Buildings
Citywide	Fuel Island Renovation Design Only	Public Buildings
Citywide	General Services CFMP	Public Buildings
Citywide	Library CFMP	Public Buildings
Citywide	Mental Health Residential Facilities CFMP	Public Buildings
Citywide	Roof Replacement Program	Public Buildings
Citywide	Americans with Disabilities Act (ADA) Requirements	Recreation & Parks
Citywide	Athletic Field Improvements (incl. Synthetic Turf)	Recreation & Parks
Citywide	Athletic Field Restroom Renovations	Recreation & Parks
Citywide	Ball Court Renovations	Recreation & Parks
Citywide	Citywide Parks Improvements Plan	Recreation & Parks

CIP Projects by Reporting Area

Reporting Area	Project	CIP Section
Citywide	Major Asphalt Resurfacing in Parks	Recreation & Parks
Citywide	Open Space Acquisition and Develop.	Recreation & Parks
Citywide	Park Renovations CFMP	Recreation & Parks
Citywide	Playground Renovations CFMP	Recreation & Parks
Citywide	Public Pools	Recreation & Parks
Citywide	Recreation Centers CFMP	Recreation & Parks
Citywide	Recreation Facilities Security Review	Recreation & Parks
Citywide	Soft Surface Trails	Recreation & Parks
Citywide	Tree & Shrub Capital Maintenance	Recreation & Parks
Citywide	Water Management & Irrigation	Recreation & Parks
Citywide	Citywide Sewershed Infiltration & Inflow	Sanitary Sewers
Citywide	Reconstructions & Extensions of Sanitary Sewers	Sanitary Sewers
Citywide	Sewer Assessment & Rehabilitation	Sanitary Sewers
Citywide	City Facilities Stormwater Best Management Practices (BMPs)	Stormwater Management
Citywide	MS4-TMDL Compliance Water Quality Imprv.	Stormwater Management
Citywide	NPDES / MS4 Permit	Stormwater Management
Citywide	Storm Sewer Capacity Assessment	Stormwater Management
Citywide	Storm Sewer System Spot Improvements	Stormwater Management
Citywide	Stormwater Utility Study (Capitalized Position FY 17-18)	Stormwater Management
Citywide	Stream & Channel Maintenance	Stormwater Management
Citywide	Bicycle Parking at Metro Stations	Transportation
Citywide	Bridge Repairs	Transportation
Citywide	Bus Shelters and Benches	Transportation
Citywide	Capital Bikeshare	Transportation
Citywide	City Standard Construction Specifications	Transportation
Citywide	Citywide Parking - Parking Study	Transportation

CIP Projects by Reporting Area

Reporting Area	Project	CIP Section
Citywide	Citywide Trans. Mgmt. Tech. - Broadband TSA Communications Link	Transportation
Citywide	Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	Transportation
Citywide	Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	Transportation
Citywide	Citywide Trans. Mgmt. Tech. - Transportation Technologies	Transportation
Citywide	Complete Streets	Transportation
Citywide	DASH Bus Fleet Replacements	Transportation
Citywide	DASH Hybrid Bus and Trolley Battery Pack Replacement	Transportation
Citywide	DASH NEPP Implementation	Transportation
Citywide	DASH Real Time Bus Information System	Transportation
Citywide	Fixed Transportation Equipment	Transportation
Citywide	Route 1 Transitway - Metroway Construction	Transportation
Citywide	Route 1 Transitway (NEPP)	Transportation
Citywide	Safe Routes to Schools	Transportation
Citywide	Shared-Use Paths	Transportation
Citywide	Sidewalk Capital Maintenance	Transportation
Citywide	Street Reconstruction & Resurfacing of Major Roads	Transportation
Citywide	Transportation Master Plan Update	Transportation
Citywide	WMATA Capital Contributions	Transportation
Eisenhower East	EOC/Public Safety Center Reuse	Public Buildings
Eisenhower East	Office of the Sheriff CFMP	Public Buildings
Eisenhower East	Eisenhower Avenue Roadway Improvements	Transportation
Eisenhower East	Old Cameron Run Trail	Transportation
Eisenhower East	South Eisenhower Metrorail Station - South Entrance	Transportation
Eisenhower West	Pistol Range	Public Buildings
Eisenhower West	Restaurant Depot Contribution Projects	Recreation & Parks

CIP Projects by Reporting Area

Reporting Area	Project	CIP Section
Eisenhower West/King St Metro/Eisenhower Av	Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	Transportation
Eisenhower West/Landmark/Van Dorn	EW & LVD Implementation - Air Quality Modeling Analysis Near Metro	Community Development
Eisenhower West/Landmark/Van Dorn	EW & LVD Implementation - High Street Design/Engineering	Community Development
Eisenhower West/Landmark/Van Dorn	EW & LVD Implementation - Infrastructure Plan	Community Development
Eisenhower West/Potomac West/Taylor Run	Park Maintenance Facilities	Recreation & Parks
Fairlington/Bradlee	King/Quaker Lane/Braddock Rd. Intersection	Transportation
King Street Metro/Eisenhower Ave.	African American Heritage Park Repairs	Recreation & Parks
King Street Metro/Eisenhower Ave.	King Street Metrorail Station Area Improvements	Transportation
Landmark/Van Dorn	Beatley Building Envelope Restoration	Public Buildings
Landmark/Van Dorn	Cameron Station Pond Retrofit	Stormwater Management
Landmark/Van Dorn	Backlick Run Multi-Use Paths	Transportation
Landmark/Van Dorn	Edsall and South Pickett Pedestrian Imprv.	Transportation
Landmark/Van Dorn	Landmark Transit Station	Transportation
Landmark/Van Dorn/Seminary Hill/Beauregard	Van Dorn/Beauregard Bicycle Facilities	Transportation
Landmark/Van Dorn/Seminary Hill/Taylor Run/Eisenhower East	Holmes Run Trunk Sewer	Sanitary Sewers
Norrth Ridge/Rosemont	Fire Station 203 (Cameron Mills)	Public Buildings
Old Town	Gadsby Lighting Fixtures & Poles Replacement	Community Development
Old Town	City Hall HVAC & Infrastructure Replacement	Public Buildings
Old Town	Courthouse Renovations - HVAC and CFMP	Public Buildings
Old Town	Gadsby's Tavern Restaurant Kitchen Equipment	Public Buildings
Old Town	Gadsy's Tavern Elevator Design and Construction	Public Buildings
Old Town	Market Square Plaza and Garage Structural Repairs	Public Buildings
Old Town	Old Town Parking Garage Ticketing Modernization	Public Buildings
Old Town	Parking at 200 N Union Street	Public Buildings
Old Town	Torpedo Factory Space Programming Study	Public Buildings

CIP Projects by Reporting Area

Reporting Area	Project	CIP Section
Old Town	City Marina Utility Upgrades	Recreation & Parks
Old Town	Windmill Hill Park Improvements	Recreation & Parks
Old Town	Combined Sewer System (CSS) Permit Compliance	Sanitary Sewers
Old Town	Cameron & Prince Bicycle & Pedestrian Facilities	Transportation
Old Town North	Combined Sewer Overflow 001 Planning	Sanitary Sewers
Old Town North	Madison & Montgomery Reconstruction	Transportation
Old Town North	Mt. Vernon Trail @ East Abingdon	Transportation
Old Town/Old Town North/Braddock Metro	Combined Sewer Separation Projects	Sanitary Sewers
Old Town/Old Town North/Braddock Metro	Green Infrastructure in CSO Areas	Stormwater Management
Potomac West	Four Mile Run Stream Restoration	Community Development
Potomac West	Colosanto Pool Demolition/Spray ground Conversion	Recreation & Parks
Potomac West	Four Mile Run Park Wetlands Connector Bridge	Recreation & Parks
Potomac West	Warwick Pool Renovation	Recreation & Parks
Potomac West	Four Mile Run Sanitary Sewer Repair	Sanitary Sewers
Potomac West	Four Mile Run Channel Maintenance	Stormwater Management
Potomac West	Route 1 @ E. Reed Intersection Improvements	Transportation
Potomac Yard/Potomac Greens	Potomac Yard Park Basketball Court Lights	Recreation & Parks
Potomac Yard/Potomac Greens	East Glebe & Route 1	Transportation
Potomac Yard/Potomac Greens, North Potomac Yard	Potomac Yard Metrorail Station	Transportation
Regional	Northern Virginia Community College (NVCC)	Other Regional Contributions
Regional	Northern Virginia Regional Park Authority (NVRPA)	Other Regional Contributions
Regional	Peumansend Creek Regional Jail	Other Regional Contributions
Seminary Hill	Animal Shelter Exterior Dog Kennels	Public Buildings
Seminary Hill	Ellen Coolidge Burke Facility Space Planning	Public Buildings

CIP Projects by Reporting Area

Reporting Area	Project	CIP Section
Seminary Hill	Fire Station 211 (Beauregard)	Public Buildings
Seminary Hill	Fleet Fuel and Performance Data Management System	Public Buildings
Seminary Hill	Vola Lawson Animal Shelter	Public Buildings
Seminary Hill	Ewald Pool Demolition	Recreation & Parks
Seminary Hill	Fort Ward Management Plan Implementation	Recreation & Parks
Seminary Hill	Patrick Henry Recreation Center	Recreation & Parks
Seminary Hill	Patrick Henry Synthetic Turf Field and Outdoor Play Features	Recreation & Parks
Seminary Hill	Ft. Ward Stormwater	Stormwater Management
Seminary Hill	Lake Cook Stormwater Management	Stormwater Management
Seminary Hill	Seminary Road at Beauregard Street Ellipse	Transportation
Seminary Hill/Landmark/Van Dorn	Holmes Run Greenway	Transportation
Southwest Quadrant	New Burn Building	Public Buildings
Southwest Quadrant	Police K-9 Facility Renovation	Public Buildings
Southwest Quadrant	AlexRenew Wastewater Treatment Plant Capacity	Sanitary Sewers
Southwest Quadrant	Wet Weather Management Facility	Sanitary Sewers
Taylor Run	Fire Station 207 (Duke Street)	Public Buildings
Taylor Run	Chinquapin Aquatics Center	Recreation & Parks
Taylor Run	Chinquapin Pool Skylight Replacement	Recreation & Parks
Waterfront	Oronoco Outfall Remediation Project	Community Development
Waterfront	Waterfront Small Area Plan Implementation (w/ Construction Funding)	Community Development
Waterfront	Waterfront Parks CFMP	Recreation & Parks
Landmark/Van Dorn	High Street Construction (w/ Eisenhower West)	Transportation
Landmark/Van Dorn/Beauregard	Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	Transportation
Beauregard	Transit Corridor "C" - West End Transitway	Transportation
Citywide	Municipal Facilities Planning and Torpedo Factory Repairs	Public Buildings
Citywide	SCOOT/TDI	Transportation

Appendix C: FY 2017 – 2026 Capital Projects Requested vs. Proposed

The following list contains all capital projects reviewed during the FY 2017 – 2026 Capital Improvement Program (CIP) development process. The data shown lists all of the projects requested by departments and the level of funding that was ultimately proposed for FY 2017 – 2026.

CIP Section	CIP Subsection	Project	FY 17 - 26 Requested	FY 17 - 26 Funded	Requested FY 17 - 26 Not Funded
ACPS	ACPS	ACPS Total Funding	$ 291,176,618	$ 265,730,000	$ 25,446,618
Community Development	City-Wide Amenities	Gadsby Lighting Fixtures & Poles Replacement	$ 450,000	$ 300,000	$ 150,000
Community Development	City-Wide Amenities	Public Art Acquisition	$ 4,810,000	$ 4,810,000	$ -
Community Development	City-Wide Amenities	Public Art Conservation Program	$ 217,500	$ 217,500	$ -
Community Development	City-Wide Amenities	Transportation Signage & Wayfinding System	$ 1,949,000	$ 1,949,000	$ -
Community Development	Neighborhood Planning	Braddock Road Area Plan - Streetscape Improvements	$ 315,000	$ 315,000	$ -
Community Development	Neighborhood Planning	City Business Districts - Retail & Commerical Development Strategy	$ 350,000	$ -	$ 350,000
Community Development	Neighborhood Planning	EW & LVD Implementation - Air Quality Modeling Analysis Near Metro	$ 75,000	$ 75,000	$ -
Community Development	Neighborhood Planning	EW & LVD Implementation - Backlick Run Restoration Master Plan	$ 450,000	$ -	$ 450,000
Community Development	Neighborhood Planning	EW & LVD Implementation - Capitalized Implementation Positions	$ 927,270	$ -	$ 927,270
Community Development	Neighborhood Planning	EW & LVD Implementation - Developer Contribution Analysis	$ 100,000	$ -	$ 100,000
Community Development	Neighborhood Planning	EW & LVD Implementation - Energy/Reclaimed Water Feasibility Study	$ 475,000	$ -	$ 475,000
Community Development	Neighborhood Planning	EW & LVD Implementation - Farrington Ave Connector Study	$ 500,000	$ -	$ 500,000
Community Development	Neighborhood Planning	EW & LVD Implementation - Infrastructure Plan	$ 500,000	$ 500,000	$ -
Community Development	Neighborhood Planning	EW & LVD Implementation - Van Dorn Multimodal Bridge Design/Engineering	$ 500,000	$ -	$ 500,000
Community Development	Neighborhood Planning	EW & LVD Implementation - Van Dorn Street Bridge Widening Analysis	$ 500,000	$ -	$ 500,000
Community Development	Neighborhood Planning	King Street Plan Implementation	$ 900,000	$ -	$ 900,000
Community Development	Neighborhood Planning	Old Town North Market Analysis	$ 125,000	$ -	$ 125,000
Community Development	Neighborhood Planning	Waterfront Small Area Plan Implementation (w/ Construction Funding)	$ 83,530,000	$ 63,635,000	$ 19,895,000
Community Development	Public Safety Enhancements	Citywide Street Lighting	$ 250,000	$ 225,000	$ 25,000
Community Development	Public Safety Enhancements	Fire Department SCBA Replacement	$ 3,500,000	$ 3,500,000	$ -
Community Development	Public Safety Enhancements	Fire Department Vehicles & Apparatus	$ 24,142,000	$ 24,142,000	$ -
Community Development	Public Safety Enhancements	Police Body-Worn Cameras (BWC's)		$ -	N/A
Community Development	Waterways Maint. & Imprv.	City Marina Waterfront Dredging	$ 4,500,000	$ -	$ 4,500,000
Community Development	Waterways Maint. & Imprv.	Environmental Restoration	$ 750,000	$ 600,000	$ 150,000
Community Development	Waterways Maint. & Imprv.	Four Mile Run Stream Restoration	$ -	$ -	N/A
Community Development	Waterways Maint. & Imprv.	Oronoco Outfall Remediation Project	$ 2,900,000	$ 2,500,000	$ 400,000

CIP Section	CIP Subsection	Project	FY 17 - 26 Requested	FY 17 - 26 Funded	Requested FY 17 - 26 Not Funded
IT Plan	Document Management	Document Imaging	$ -	$ -	N/A
IT Plan	Financial Systems	Business Tax System/Reciprocity Contractor System	$ 415,000	$ 415,000	$ -
IT Plan	Financial Systems	Employee Pension Administration System	$ 550,000	$ 550,000	$ -
IT Plan	Financial Systems	Enterprise Resource Planning System	$ 360,000	$ 360,000	$ -
IT Plan	Financial Systems	Personal Property Tax System	$ 840,000	$ 840,000	$ -
IT Plan	Financial Systems	Phone, Web, Portable Device Payment Portals	$ 1,140,000	$ 600,000	$ 540,000
IT Plan	Financial Systems	Real Estate Account Receivable System	$ 860,000	$ 860,000	$ -
IT Plan	Financial Systems	Real Estate Assessment System (CAMA)	$ 970,000	$ 970,000	$ -
IT Plan	Geographic Information Systems	GIS Development	$ 530,000	$ 530,000	$ -
IT Plan	Network Services	AlexStat Software	$ -	$ -	N/A
IT Plan	Network Services	Connectivity Initiatives	$ 4,500,000	$ 4,500,000	$ -
IT Plan	Network Services	Data Center Relocation	$ 500,000	$ -	$ 500,000
IT Plan	Network Services	Database Infrastructure	$ 400,000	$ 400,000	$ -
IT Plan	Network Services	Enterprise Camera System	$ 75,000	$ 50,000	$ 25,000
IT Plan	Network Services	Enterprise Collaboration	$ 400,000	$ 400,000	$ -
IT Plan	Network Services	Enterprise Data Storage Infrastructure	$ 3,000,000	$ 3,000,000	$ -
IT Plan	Network Services	Enterprise Project Management Implementation	$ 320,000	$ -	$ 320,000
IT Plan	Network Services	Enterprise Service Catalog	$ 300,000	$ 100,000	$ 200,000
IT Plan	Network Services	Information Technology Equipment Replacement	$ 4,000,000	$ 3,600,000	$ 400,000
IT Plan	Network Services	Information Technology Lump Sum Funding	$ 23,800,000	$ 20,082,000	$ 3,718,000
IT Plan	Network Services	IT Enterprise Management System	$ -	$ -	N/A
IT Plan	Network Services	LAN Development	$ 150,000	$ 100,000	$ 50,000
IT Plan	Network Services	LAN/WAN Infrastructure	$ 1,340,000	$ 1,370,000	$ (30,000)
IT Plan	Network Services	Municipal Fiber	$ 16,500,000	$ 400,000	$ 16,100,000
IT Plan	Network Services	Network Security	$ 1,300,000	$ 1,075,000	$ 225,000
IT Plan	Network Services	Network Server Infrastructure	$ 1,250,000	$ 1,250,000	$ -
IT Plan	Network Services	Remote Access	$ 850,000	$ 750,000	$ 100,000
IT Plan	Network Services	Upgrade Work Station Operating Systems	$ 880,000	$ 1,080,000	$ (200,000)
IT Plan	Network Services	Voice Over Internet Protocol (VoIP)	$ 800,000	$ 800,000	$ -
IT Plan	Other System Development Projects	Application Portfolio Management	$ 330,000	$ 100,000	$ 230,000
IT Plan	Other System Development Projects	Business Processes Management System (BPM)	$ 450,000	$ -	$ 450,000
IT Plan	Other System Development Projects	Electronic Health Records (EHR) Replacement	$ 300,000	$ 300,000	$ -
IT Plan	Other System Development Projects	Enterprise Maintenance Mgmt System	$ 550,000	$ 550,000	$ -
IT Plan	Other System Development Projects	HIPAA & Related Health Information Technologies	$ 500,000	$ 300,000	$ 200,000
IT Plan	Other System Development Projects	Library Information Technology Equipment Replacement	$ 80,000	$ 80,000	$ -
IT Plan	Other System Development Projects	Library Public Access Computers and Print Mgmt System	$ 160,000	$ 130,000	$ 30,000
IT Plan	Other System Development Projects	Migration of Integrated Library System to SAAS Platform	$ 57,240	$ 57,240	$ -
IT Plan	Other System Development Projects	Permit Processing	$ 976,927	$ -	$ 976,927
IT Plan	Other System Development Projects	Project Management Software	$ -	$ -	N/A
IT Plan	Other System Development Projects	Recreation Database System	$ 90,000	$ 90,000	$ -
IT Plan	Other System Development Projects	Replacement of City Voting Equipment	$ 895,000	$ 895,000	$ -
IT Plan	Other System Development Projects	Security Cameras for TES facilities	$ 100,000	$ 60,000	$ 40,000

CIP Section	CIP Subsection	Project	FY 17 - 26 Requested	FY 17 - 26 Funded	Requested FY 17 - 26 Not Funded
IT Plan	Public Access Development	Customer Relationship Management System	$ 750,000	$ 750,000	$ -
IT Plan	Public Access Development	Electronic Government/Web Page	$ 985,000	$ 985,000	$ -
IT Plan	Public Safety Systems	AJIS Enhancements	$ 671,381	$ 620,000	$ 51,381
IT Plan	Public Safety Systems	Computer Aided Dispatch (CAD) System Replacement	$ 2,150,000	$ 2,100,000	$ 50,000
IT Plan	Public Safety Systems	EMS Records Management System	$ 425,000	$ 425,000	$ -
Other Regional Contributions	Other Regional Contributions	Northern Virginia Community College (NVCC)	$ 3,962,183	$ 3,962,183	$ -
Other Regional Contributions	Other Regional Contributions	Northern Virginia Regional Park Authority (NVRPA)	$ 3,826,520	$ 3,869,780	$ (43,260)
Other Regional Contributions	Other Regional Contributions	Peumansend Creek Regional Jail	$ 98,506	$ 98,506	$ -
Public Buildings	General Government Facilities	Capital Planning & Building Assessment (Condition Assessment)	$ 1,345,000	$ 1,345,000	$ -
Public Buildings	General Government Facilities	City Hall HVAC & Infrastructure Replacement	$ 53,305,000	$ 36,525,000	$ 16,780,000
Public Buildings	General Government Facilities	DASH and Impound Lot Expansion	$ 15,250,000	$ -	$ 15,250,000
Public Buildings	General Government Facilities	Deduction Meter Implementation	$ 97,500	$ 97,500	$ -
Public Buildings	General Government Facilities	Elevator Replacement/Refurbishment	$ 2,515,994	$ -	$ 2,515,994
Public Buildings	General Government Facilities	Emergency Generators	$ 2,630,000	$ 1,691,000	$ 939,000
Public Buildings	General Government Facilities	Energy Management Program	$ 7,780,000	$ 7,680,000	$ 100,000
Public Buildings	General Government Facilities	Fleet Fuel and Performance Data Management System	$ 200,000	$ 200,000	$ -
Public Buildings	General Government Facilities	Fuel Island Renovation Design Only	$ 600,000	$ 600,000	$ -
Public Buildings	General Government Facilities	General Services CFMP	$ 21,500,000	$ 2,700,000	$ 18,800,000
Public Buildings	General Government Facilities	Market Square Plaza and Garage Structural Repairs	$ 7,050,000	$ 7,050,000	$ -
Public Buildings	General Government Facilities	Municipal Facilities Planning Project		$ 250,000	N/A
Public Buildings	General Government Facilities	Old Town Parking Garage Ticketing Modernization	$ -	$ -	N/A
Public Buildings	General Government Facilities	Parking at 200 N Union Street	$ 300,000	$ 300,000	$ -
Public Buildings	General Government Facilities	Roof Replacement Program	$ 5,314,516	$ 2,538,000	$ 2,776,516
Public Buildings	General Government Facilities	Secure Storage Yards	$ 250,000	$ -	$ 250,000
Public Buildings	General Government Facilities	TES Departmental Improvements at 2900 BCD	$ 350,000	$ -	$ 350,000
Public Buildings	General Government Facilities	Vesibule Improvement at 2900 BCD	$ 200,000	$ -	$ 200,000
Public Buildings	Library Facilities	Alexandria Library Security Enhancements	$ 70,000	$ 70,000	$ -
Public Buildings	Library Facilities	Beatley Building Envelope Restoration	$ 1,170,000	$ 1,170,000	$ -
Public Buildings	Library Facilities	Ellen Coolidge Burke Facility Space Planning	$ -	$ -	N/A
Public Buildings	Library Facilities	Library CFMP	$ 4,900,000	$ 451,000	$ 4,449,000
Public Buildings	Preservation of Historic Facilities	City Historic Facilities CFMP	$ 15,000,000	$ 5,546,000	$ 9,454,000
Public Buildings	Preservation of Historic Facilities	Gadsby's Tavern Restaurant Kitchen Equipment	$ 245,000	$ 245,000	$ -
Public Buildings	Preservation of Historic Facilities	Gadsy's Tavern Elevator Design and Construction	$ 1,450,000	$ 1,450,000	$ -
Public Buildings	Preservation of Historic Facilities	Torpedo Factory Repairs	$ -	$ -	N/A
Public Buildings	Preservation of Historic Facilities	Torpedo Factory Space Programming Study	$ 250,000	$ 250,000	$ -
Public Buildings	Public Health & Welfare Facilities	Health Department CFMP	$ 21,880,000	$ 16,143,000	$ 5,737,000
Public Buildings	Public Health & Welfare Facilities	Health Dept Garage Concrete Deck & Parking Restoration	$ 360,000	$ 360,000	$ -
Public Buildings	Public Health & Welfare Facilities	Mental Health Residential Facilities CFMP	$ 1,500,000	$ 750,000	$ 750,000

CIP Section	CIP Subsection	Project	FY 17 - 26 Requested	FY 17 - 26 Funded	Requested FY 17 - 26 Not Funded
Public Buildings	Public Safety Facilities	Animal Shelter Exterior Dog Kennels	$ 258,000	$ 258,000	$ -
Public Buildings	Public Safety Facilities	Courthouse Renovations - HVAC and CFMP	$ 28,500,000	$ 9,017,000	$ 19,483,000
Public Buildings	Public Safety Facilities	EOC Audio/Visual Equipment	$ 250,000	$ -	$ 250,000
Public Buildings	Public Safety Facilities	EOC/Public Safety Center Reuse	$ -	$ -	N/A
Public Buildings	Public Safety Facilities	Fire & Rescue CFMP	$ 4,000,000	$ 1,940,000	$ 2,060,000
Public Buildings	Public Safety Facilities	Fire Station 203 (Cameron Mills)	$ 6,305,000	$ 6,900,000	$ (595,000)
Public Buildings	Public Safety Facilities	Fire Station 205 (Cameron Street)	$ 11,273,000	$ 11,273,000	$ -
Public Buildings	Public Safety Facilities	Fire Station 206 (Seminary Rd)	$ 11,528,000	$ 11,528,000	$ -
Public Buildings	Public Safety Facilities	Fire Station 207 (Duke Street)	$ 18,200,000	$ 18,200,000	$ -
Public Buildings	Public Safety Facilities	Fire Station 211 (Beauregard)	$ 13,200,000	$ 13,200,000	$ -
Public Buildings	Public Safety Facilities	New Burn Building	$ 1,390,000	$ 1,390,000	$ -
Public Buildings	Public Safety Facilities	Office of the Sheriff CFMP	$ 28,500,000	$ 1,884,000	$ 26,616,000
Public Buildings	Public Safety Facilities	Pistol Range	$ 1,100,000	$ 1,100,000	$ -
Public Buildings	Public Safety Facilities	Police K-9 Facility Renovation	$ -	$ -	N/A
Public Buildings	Public Safety Facilities	Vola Lawson Animal Shelter	$ 1,200,000	$ 215,000	$ 985,000
Recreation & Parks	Aquatics Facilities	Chinquapin Aquatics Center	$ 22,350,000	$ 22,350,000	$ -
Recreation & Parks	Aquatics Facilities	Chinquapin Pool Skylight Replacement	$ 375,000	$ 375,000	$ -
Recreation & Parks	Aquatics Facilities	Colosanto Pool Demolition/Spray ground Conversion	$ 975,000	$ 450,000	$ 525,000
Recreation & Parks	Aquatics Facilities	Ewald Pool Demolition	$ 450,000	$ 450,000	$ -
Recreation & Parks	Aquatics Facilities	Nannie J. Lee Therapeutic Pool	$ 4,350,000	$ -	$ 4,350,000
Recreation & Parks	Aquatics Facilities	Old Town Pool Facility Systems Assessment	$ 85,000	$ -	$ 85,000
Recreation & Parks	Aquatics Facilities	Old Town Pool Renovations	$ 6,450,000	$ 4,500,000	$ 1,950,000
Recreation & Parks	Aquatics Facilities	Public Pools	$ 520,000	$ 520,000	$ -
Recreation & Parks	Aquatics Facilities	Warwick Pool Renovation	$ 2,150,000	$ 2,150,000	$ -
Recreation & Parks	Open Space Acquisition & Development	Open Space Acquisition and Develop.	$ 23,500,000	$ 19,400,000	$ 4,100,000
Recreation & Parks	Park Maintenance & Improvements	African American Heritage Park Repairs		$ 240,000	N/A
Recreation & Parks	Park Maintenance & Improvements	Americans with Disabilities Act (ADA) Requirements	$ 1,600,000	$ 1,600,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Athletic Field Improvements (incl. Synthetic Turf)	$ 20,110,000	$ 20,110,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Athletic Field Restroom Renovations	$ 2,240,000	$ 720,000	$ 1,520,000
Recreation & Parks	Park Maintenance & Improvements	Ball Court Renovations	$ 1,500,000	$ 1,500,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Community Matching Fund	$ 1,400,000	$ 1,900,000	$ (500,000)
Recreation & Parks	Park Maintenance & Improvements	Four Mile Run Bike/Pedestrian Bridge (to Arlington)	$ 9,000,000	$ -	$ 9,000,000
Recreation & Parks	Park Maintenance & Improvements	Four Mile Run Park Wetlands Connector Bridge	$ 200,000	$ 200,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Major Asphalt Resurfacing in Parks	$ 2,500,000	$ 2,500,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Park Maintenance Facilities	$ 875,000	$ 280,000	$ 595,000
Recreation & Parks	Park Maintenance & Improvements	Park Renovations CFMP	$ 4,014,000	$ 4,009,000	$ 5,000
Recreation & Parks	Park Maintenance & Improvements	Patrick Henry Synthetic Turf Field and Outdoor Play Features	$ 2,150,000	$ 2,150,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Playground Renovations CFMP	$ 6,136,000	$ 6,136,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Polk Avenue Park	$ 150,000	$ -	$ 150,000

CIP Section	CIP Subsection	Project	FY 17 - 26 Requested	FY 17 - 26 Funded	Requested FY 17 - 26 Not Funded
Recreation & Parks	Park Maintenance & Improvements	Potomac Yard Park Basketball Court Lights	$ 150,000	$ 150,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Renovation and Proactive Capital Management of Urban Forest	$ 3,800,000	$ -	$ 3,800,000
Recreation & Parks	Park Maintenance & Improvements	Restaurant Depot Contribution Projects	$ -	$ -	N/A
Recreation & Parks	Park Maintenance & Improvements	Simpson Park Diamond Fields Improvements	$ 650,000	$ -	$ 650,000
Recreation & Parks	Park Maintenance & Improvements	Soft Surface Trails	$ 1,200,000	$ 1,200,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Tree & Shrub Capital Maintenance	$ 3,260,000	$ 3,260,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Water Management & Irrigation	$ 1,280,000	$ 1,280,000	$ -
Recreation & Parks	Park Maintenance & Improvements	Waterfront Parks CFMP	$ 775,000	$ 500,000	$ 275,000
Recreation & Parks	Park Maintenance & Improvements	Windmill Hill Park Improvements	$ -	$ -	N/A
Recreation & Parks	Recreation Facility Maintenance	City Marina Maintenance	$ 1,150,000	$ 1,060,000	$ 90,000
Recreation & Parks	Recreation Facility Maintenance	Recreation Center Interior Ductwork Cleaning	$ 375,000	$ -	$ 375,000
Recreation & Parks	Recreation Facility Maintenance	Recreation Centers CFMP	$ 7,000,000	$ 7,000,000	$ -
Recreation & Parks	Recreation Facility Maintenance	Recreation Facilities Security Review	$ 380,000	$ -	$ 380,000
Recreation & Parks	Renovated or New Recreation Facilities	Braddock Area Plan Park	$ 10,703,605	$ 703,605	$ 10,000,000
Recreation & Parks	Renovated or New Recreation Facilities	City Marina Utility Upgrades	$ 1,063,000	$ 1,063,000	$ -
Recreation & Parks	Renovated or New Recreation Facilities	Citywide Parks Improvements Plan	$ 14,955,200	$ 3,818,000	$ 11,137,200
Recreation & Parks	Renovated or New Recreation Facilities	Fort Ward Management Plan Implementation	$ 2,080,000	$ 1,195,000	$ 885,000
Recreation & Parks	Renovated or New Recreation Facilities	Patrick Henry Recreation Center	$ -	$ (0)	N/A
Recreation & Parks	Renovated or New Recreation Facilities	Recreation Center Acoustic Attenuation Devices	$ 260,000	$ -	$ 260,000
Recreation & Parks	Renovated or New Recreation Facilities	West End Multigenerational Multi-Use Recreation Facility	$ 19,000,000	$ -	$ 19,000,000
Sanitary Sewers	Sanitary Sewers	AlexRenew Wastewater Treatment Plant Capacity	$ 34,220,000	$ 34,220,000	$ -
Sanitary Sewers	Sanitary Sewers	Citywide Sewershed Infiltration & Inflow	$ 15,300,000	$ 15,300,000	$ -
Sanitary Sewers	Sanitary Sewers	Combined Sewer Overflow 001 Planning	$ -	$ -	N/A
Sanitary Sewers	Sanitary Sewers	Combined Sewer Separation Projects	$ 3,400,000	$ 3,400,000	$ -
Sanitary Sewers	Sanitary Sewers	Combined Sewer System (CSS) Permit Compliance	$ 3,000,000	$ 3,000,000	$ -
Sanitary Sewers	Sanitary Sewers	Four Mile Run Sanitary Sewer Repair	$ -	$ -	N/A
Sanitary Sewers	Sanitary Sewers	Holmes Run Trunk Sewer	$ -	$ -	N/A
Sanitary Sewers	Sanitary Sewers	Reconstructions & Extensions of Sanitary Sewers	$ 9,000,000	$ 9,000,000	$ -
Sanitary Sewers	Sanitary Sewers	Sewer Assessment & Rehabilitation	$ 8,800,000	$ 8,800,000	$ -
Sanitary Sewers	Sanitary Sewers	Wet Weather Management Facility	$ 20,000,000	$ 20,000,000	$ -
Stormwater Management	Stormwater Management	Cameron Station Pond Retrofit	$ 1,250,000	$ 1,250,000	$ -
Stormwater Management	Stormwater Management	City Facilities Stormwater Best Management Practices (BMPs)	$ 1,633,000	$ 1,633,000	$ -
Stormwater Management	Stormwater Management	Four Mile Run Channel Maintenance	$ 1,200,000	$ 1,200,000	$ -
Stormwater Management	Stormwater Management	Ft. Ward Stormwater	$ -	$ -	N/A
Stormwater Management	Stormwater Management	Green Infrastructure in CSO Areas	$ -	$ -	N/A
Stormwater Management	Stormwater Management	Lake Cook Stormwater Management	$ 812,000	$ 812,000	$ -
Stormwater Management	Stormwater Management	MS4-TMDL Compliance Water Quality Imprv.	$ 34,500,000	$ 34,500,000	$ -
Stormwater Management	Stormwater Management	NPDES / MS4 Permit	$ -	$ -	N/A
Stormwater Management	Stormwater Management	Storm Sewer Capacity Assessment	$ 950,000	$ 950,000	$ -
Stormwater Management	Stormwater Management	Storm Sewer System Spot Improvements	$ 3,000,000	$ 2,551,474	$ 448,526
Stormwater Management	Stormwater Management	Stormwater Utility Study (Capitalized Position FY 17-18)	$ 292,726	$ 292,726	$ -
Stormwater Management	Stormwater Management	Stream & Channel Maintenance	$ 6,450,000	$ 5,950,000	$ 500,000

CIP Section	CIP Subsection	Project	FY 17 - 26 Requested	FY 17 - 26 Funded	Requested FY 17 - 26 Not Funded
Transportation	Fixed Transportation Equipment	Citywide Parking - Capitalized Parking Planner	$ 430,000	$ -	$ 430,000
Transportation	Fixed Transportation Equipment	Citywide Parking - Parking Management	$ 300,000	$ -	$ 300,000
Transportation	Fixed Transportation Equipment	Citywide Parking - Parking Study	$ 250,000	$ 150,000	$ 100,000
Transportation	Fixed Transportation Equipment	Citywide Parking - Parking Technologies	$ 710,000	$ 710,000	$ -
Transportation	Fixed Transportation Equipment	Citywide Trans. Mgmt. Tech. - 2.0 FTE Capitalized Transportation Engineers (CE III - IV)	$ 926,095	$ -	$ 926,095
Transportation	Fixed Transportation Equipment	Citywide Trans. Mgmt. Tech. - Broadband TSA Communications Link	$ 2,800,000	$ 1,000,000	$ 1,800,000
Transportation	Fixed Transportation Equipment	Citywide Trans. Mgmt. Tech. - Emergency Vehicle Pre-Emption Equipment	$ 300,000	$ -	$ 300,000
Transportation	Fixed Transportation Equipment	Citywide Trans. Mgmt. Tech. - Intelligent Transportation Systems (ITS) Integration	$ 8,918,000	$ 8,918,000	$ -
Transportation	Fixed Transportation Equipment	Citywide Trans. Mgmt. Tech. - Intersection Battery Back-Up Power	$ 955,000	$ -	$ 955,000
Transportation	Fixed Transportation Equipment	Citywide Trans. Mgmt. Tech. - Traffic Control Upgrade	$ 1,000,000	$ 900,000	$ 100,000
Transportation	Fixed Transportation Equipment	Citywide Trans. Mgmt. Tech. - Transportation Technologies	$ 1,750,000	$ 925,000	$ 825,000
Transportation	Fixed Transportation Equipment	Citywide Transportation Management System (SCOOT/Tdi)		$ -	N/A
Transportation	Fixed Transportation Equipment	Fixed Transportation Equipment	$ 10,600,000	$ 10,600,000	$ -
Transportation	High Capacity Transit Corridors	Route 1 Transitway - Metroway Construction	$ 500,000	$ 500,000	$ -
Transportation	High Capacity Transit Corridors	Route 1 Transitway (NEPP)	$ 1,500,000	$ 1,500,000	$ -
Transportation	High Capacity Transit Corridors	Transit Corridor "A" - Crystal City/Potomac Yard Streetcars	$ -	$ -	N/A
Transportation	High Capacity Transit Corridors	Transit Corridor "B" - Duke Street (Incl. Duke St Complete St)	$ 19,310,000	$ 19,310,000	$ -
Transportation	High Capacity Transit Corridors	Transit Corridor "C" - Transit Priority		$ -	N/A
Transportation	High Capacity Transit Corridors	Transit Corridor "C" - West End Transitway	$ 137,600,000	$ 137,600,000	$ -
Transportation	Non-Motorized Transportation	Access to Transit	$ -	$ -	N/A
Transportation	Non-Motorized Transportation	Backlick Run Multi-Use Paths	$ 2,118,000	$ 2,118,000	$ -
Transportation	Non-Motorized Transportation	Bicycle Parking at Metro Stations	$ 350,000	$ 350,000	$ -
Transportation	Non-Motorized Transportation	BRAC Neighborhood Protection Plan	$ -	$ -	N/A
Transportation	Non-Motorized Transportation	Cameron & Prince Bicycle & Pedestrian Facilities	$ -	$ -	N/A
Transportation	Non-Motorized Transportation	Capital Bikeshare	$ 2,469,487	$ 2,494,487	$ (25,000)
Transportation	Non-Motorized Transportation	Complete Streets	$ 11,640,000	$ 8,640,000	$ 3,000,000
Transportation	Non-Motorized Transportation	Edsall and South Pickett Pedestrian Imprv.	$ -	$ -	N/A
Transportation	Non-Motorized Transportation	Holmes Run Greenway	$ -	$ -	N/A
Transportation	Non-Motorized Transportation	Mt. Vernon Trail @ East Abingdon	$ -	$ -	N/A
Transportation	Non-Motorized Transportation	Old Cameron Run Trail	$ 8,095,000	$ 8,095,000	$ -
Transportation	Non-Motorized Transportation	Pedestrian & Bicycle Master Plan Update		$ -	N/A
Transportation	Non-Motorized Transportation	Safe Routes to Schools	$ -	$ -	N/A
Transportation	Non-Motorized Transportation	Shared-Use Paths	$ 3,000,000	$ 1,500,000	$ 1,500,000
Transportation	Non-Motorized Transportation	Sidewalk Capital Maintenance	$ 8,250,000	$ 4,550,000	$ 3,700,000
Transportation	Non-Motorized Transportation	Transportation Master Plan Update	$ 500,000	$ 500,000	$ -
Transportation	Non-Motorized Transportation	Van Dorn/Beauregard Bicycle Facilities	$ 1,421,000	$ 1,421,000	$ -
Transportation	Non-Motorized Transportation	Wilkes Street Bikeway		$ -	N/A

CIP Section	CIP Subsection	Project	FY 17 - 26 Requested	FY 17 - 26 Funded	Requested FY 17 - 26 Not Funded
Transportation	Public Transit	Bus Shelters and Benches	$ 870,000	$ 870,000	$ -
Transportation	Public Transit	DASH Automated Passenger Counters (APC)	$ 640,000	$ -	$ 640,000
Transportation	Public Transit	DASH Bus Fleet Replacements	$ 35,620,000	$ 29,075,000	$ 6,545,000
Transportation	Public Transit	DASH Electronic Pre/Post Trip Vehicle Inspection System	$ 85,000	$ -	$ 85,000
Transportation	Public Transit	DASH Fleet Expansion	$ 29,455,000	$ -	$ 29,455,000
Transportation	Public Transit	DASH Fleet Inventory Security and Management System	$ 400,000	$ -	$ 400,000
Transportation	Public Transit	DASH Hybrid Bus and Trolley Battery Pack Replacement	$ 3,750,000	$ 3,750,000	$ -
Transportation	Public Transit	DASH NEPP Implementation	$ 1,200,000	$ 1,200,000	$ -
Transportation	Public Transit	DASH Real Time Bus Information System	$ -	$ -	N/A
Transportation	Public Transit	DOT Technology	$ 80,000	$ -	$ 80,000
Transportation	Public Transit	King Street Metrorail Station Area Improvements	$ -	$ -	N/A
Transportation	Public Transit	Landmark Transit Station	$ 6,000,000	$ 6,000,000	$ -
Transportation	Public Transit	Potomac Yard Metrorail Station	$ 270,000,000	$ 270,000,000	$ -
Transportation	Public Transit	South Eisenhower Metrorail Station - South Entrance	$ -	$ -	N/A
Transportation	Public Transit	Transit Technology Program	$ 80,000	$ -	$ 80,000
Transportation	Public Transit	Van Dorn Metrorail Station Area Imprv.	$ 2,300,000	$ 2,300,000	$ -
Transportation	Public Transit	WMATA Capital Contributions	$ 130,220,000	$ 110,850,000	$ 19,370,000
Transportation	Streets & Bridges	Braddock & West Intersection Improvements	$ 800,000	$ -	$ 800,000
Transportation	Streets & Bridges	Bridge Repairs	$ 5,000,000	$ 5,000,000	$ -
Transportation	Streets & Bridges	City Standard Construction Specifications	$ -	$ -	N/A
Transportation	Streets & Bridges	East Glebe & Route 1	$ 3,000,000	$ 3,000,000	$ -
Transportation	Streets & Bridges	Eisenhower Avenue Roadway Improvements	$ -	$ -	N/A
Transportation	Streets & Bridges	EW & LVD Implementation - High Street Design/Engineering	$ 500,000	$ 500,000	$ -
Transportation	Streets & Bridges	Farrington Avenue Connector (w/ Eisenhower West)	$ -	$ -	N/A
Transportation	Streets & Bridges	King & Beauregard Intersection Improvements	$ -	$ -	N/A
Transportation	Streets & Bridges	King/Quaker Lane/Braddock Rd. Intersection	$ -	$ -	N/A
Transportation	Streets & Bridges	Madison & Montgomery Reconstruction	$ -	$ -	N/A
Transportation	Streets & Bridges	Route 1 @ E. Reed Intersection Improvements	$ -	$ -	N/A
Transportation	Streets & Bridges	Seminary Road at Beauregard Street Ellipse	$ 36,400,000	$ 36,400,000	$ -
Transportation	Streets & Bridges	Street Reconstruction & Resurfacing of Major Roads	$ 57,200,000	$ 53,500,000	$ 3,700,000
Transportation	Streets & Bridges	Van Dorn Metro Multimodal Bridge (w/ Eisenhower West)	$ -	$ 500,000	N/A
		TOTALS	$ 1,932,759,268	$ 1,582,625,001	$ 350,134,267

Appendix D: Operating Impacts

The following tables indicate the FY 2017 – FY 2026 anticipated Operating Budget impacts resulting from implementation of capital projects. Where applicable, a dollar amount impact is shown. A separate section for projects which do not yet have a defined scope and therefore operating impacts are yet to be determined is also included. 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.

CIP Section/Project	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26
Community Development										
Transportation Signage & Wayfinding System	0	0	0	0	25,000	25,750	26,523	27,318	28,138	28,982
Braddock Road Area Plan - Streetscape Improvements	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524
Citywide Street Lighting	600	1,200	1,800	2,400	3,000	3,600	4,200	4,800	5,400	6,000
Four Mile Run Stream Restoration	12,000	12,360	12,731	13,113	13,506	13,911	14,329	14,758	15,201	15,657
Oronoco Outfall	145,500	150,000	154,000	159,000	163,000	169,000	174,000	179,000	184,400	190,000
Fixed Transportation										
Fixed Transportation Equipment	0	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500
Intelligent Transportation Systems (ITS) Integration	10,000	10,300	10,609	10,927	11,255	11,593	11,941	12,299	12,668	13,048
High Capacity Transit Corridors										
Transit Corridor "C" - West End Transitway	0	0	0	600,000	2,400,000	2,400,000	1,560,000	1,606,800	1,655,004	1,704,654
Route 1 Transitway - Metroway Construction	(317,000)	(326,510)	(336,305)	(346,394)	(356,786)	(367,490)	(378,515)	(389,870)	(401,566)	(413,613)
IT Plan										
Real Estate Account Receivable System	0	20,000	20,600	21,218	21,855	22,510	23,185	23,881	24,597	25,335
Employee Pension Administration System	0	0	(250,000)	(200,000)	(150,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)
Personal Property Tax System	0	0	0	25,000	25,750	26,523	27,318	28,138	28,982	29,851
Business Tax System/Reciprocity Contractor System	0	0	0	0	22,000	22,660	23,340	24,040	24,761	25,504
Real Estate Assessment System (CAMA)	0	0	30,000	30,900	31,827	32,782	33,765	34,778	35,822	36,896
Voice Over Internet Protocol (VoIP)	30,900	31,827	32,782	33,765	34,778	35,822	36,896	38,003	39,143	40,317
Enterprise Collaboration (Including AlexStat Hardware & Software)	50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239
Enterprise Data Storage Infrastructure	25,000	25,750	26,523	27,318	28,138	28,982	29,851	30,747	31,669	32,619
Remote Access	0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002
Permit Processing	300,000	309,000	318,270	327,818	337,653	347,782	358,216	368,962	380,031	391,432
Enterprise Maintenance Mgmt System	20,000	20,600	21,218	21,855	22,510	23,185	23,881	24,597	25,335	26,095
HIPAA & Related Health Information Technologies	21,115	21,748	22,401	23,073	23,765	24,478	25,212	25,969	26,748	27,550
Migration of Integrate Library System to SAAS Platform	0	30,000	30,900	31,827	32,782	33,765	34,778	35,822	36,896	38,003
Library Public Access Computers and Print Mgmt. System	12,797	13,181	13,576	13,984	14,403	14,835	15,280	15,739	16,211	16,697
Customer Relationship Management System	0	100,000	103,000	106,090	109,273	112,551	115,927	119,405	122,987	126,677
Electronic Government	25,000	25,750	26,523	27,318	28,138	28,982	29,851	30,747	31,669	32,619
Computer Aided Dispatch (CAD) System Replacement	542,000	558,260	575,008	592,258	610,026	628,327	647,176	666,592	686,589	707,187
Enterprise Service Catalog	0	60,000	60,000	60,000	63,000	66,150	69,458	72,930	76,577	80,406
Recreation Database System	7,000	7,210	7,426	7,649	7,879	8,115	8,358	8,609	8,867	9,133
Security Cameras for Transportation & Environmental Services Facilities	0	0	0	0	0	1,000	1,030	1,061	1,093	1,126
Electronic Health Records (EHR) Replacement	0	150,000	154,500	159,135	163,909	168,826	173,891	179,108	184,481	190,016

CIP Section/Project	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26
Non-Motorized Transportation										
Safe Routes to Schools	4,000	4,120	4,244	4,371	4,502	4,637	4,776	4,919	5,067	5,219
Complete Streets	50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239
Capital Bikeshare	500,000	620,000	692,000	826,000	972,000	1,001,160	1,031,195	1,062,131	1,093,995	1,126,814
Public Buildings										
Energy Management Program	0	(125,000)	(125,000)	(129,000)	(85,000)	(85,000)	(105,000)	(125,000)	(145,000)	(127,000)
Old Town Parking Garage Ticketing Modernization	(115,000)	(118,450)	(122,004)	(125,664)	(129,434)	(133,317)	(137,316)	(141,435)	(145,679)	(150,049)
Fire Station 203 (Cameron Mills)	0	1,270,000	1,170,000	1,205,100	1,241,253	1,278,491	1,316,845	1,356,351	1,397,041	1,438,952
Fire Station 207 (Duke Street)	0	0	0	0	0	0	0	0	90,000	92,700
Fire Station 211 (Beauregard)	0	0	0	0	5,700,000	5,490,000	5,654,700	5,824,341	5,999,071	6,179,043
Fire Station 206 (Seminary Rd)	0	0	0	0	0	0	0	90,000	92,700	95,481
Fire Station 205 (Cameron Street)	0	0	0	0	90,000	92,700	95,481	98,345	101,296	104,335
Alexandria Library Security Enhancements	0	0	0	9,000	9,270	9,548	9,835	10,130	10,433	10,746
Deduction Meter Implementation	0	(30,300)	(30,900)	(16,200)	(32,200)	(17,500)	(33,600)	(18,900)	(35,000)	(20,400)
Public Transit										
DASH Real Time Bus Information System	50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239
Potomac Yard Metrorail Station	0	0	0	695,000	1,410,850	1,453,176	1,496,771	1,541,674	1,587,924	1,635,562
South Eisenhower Metrorail Station - South Entrance	0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002
King Street Metrorail Station Area Improvements	70,000	60,000	61,800	63,654	65,564	67,531	69,556	71,643	73,792	76,006
Van Dorn Metrorail Station Area Improvements	0	0	3,000	3,090	3,183	3,278	3,377	3,478	3,582	3,690
Landmark Transit Station	0	0	0	0	0	0	0	0	50,000	51,500
Recreation and Parks										
Tree & Shrub Capital Maintenance	0	0	0	0	0	100,000	103,000	106,090	109,273	112,551
Recreation Facilities Security Review	0	0	0	7,000	7,210	7,426	7,649	7,879	8,115	8,358
Warwick Pool Renovations	0	106,240	109,427	112,710	116,091	119,574	123,161	126,856	130,662	134,582
Chinquapin Aquatics Center	0	0	1,250,000	1,287,500	1,326,125	1,365,909	1,406,886	1,449,093	1,492,565	1,537,342
Fort Ward Management Plan Implementation	10,000	10,300	10,609	16,000	21,000	17,000	22,000	18,000	23,000	19,000
Colosanto Pool Demolition/Spray Ground Conversion	0	0	0	0	0	12,000	12,360	12,731	13,113	13,506
Potomac Yard Park Basketball Court Lights	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957
Sanitary Sewers										
Wet Weather Management Facility	0	0	0	0	309,000	318,270	327,818	337,653	347,782	358,216
Stormwater Management										
Lake Cook Stormwater Management	0	100,000	103,000	106,090	109,273	112,551	115,927	119,405	122,987	126,677
Green Infrastructure in CSO Areas	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957
MS4-TMDL Compliance Water Quality Improvements	0	0	50,000	51,500	53,045	100,000	103,000	150,000	154,500	159,135
City Facilities Stormwater Best Management Practices (BMPs)	0	0	25,000	25,750	26,523	27,318	28,138	28,982	29,851	30,747
Cameron Station Pond Retrofit	0	0	0	135,000	139,050	143,222	147,518	151,944	156,502	161,197
Stormwater Utility Study	0	0	152,982	157,571	162,299	167,168	172,183	177,348	182,669	188,149
Streets and Bridges										
King & Beauregard Intersection Improvements	0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002
King Street/Quaker Lane/Braddock Road Intersection	0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002
Eisenhower Avenue Roadway Improvements	0	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002
Seminary Road at Beauregard Street Ellipse	0	0	0	0	25,000	25,750	26,523	27,318	28,138	28,982
Route 1 @ E. Reed Intersection Improvements	0	0	0	500	0	0	10,000	0	0	0
Total, Additional Operating Impact FY 2017-2026	1,461,912	3,357,826	4,639,592	6,442,946	15,501,049	15,794,612	15,343,280	15,926,585	16,522,473	17,056,897

CIP Section/Project	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26
Community Development										
Waterfront Small Area Plan Implementation (w/ Construction Funding)	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Body Cameras	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Fixed Transportation										
Transportation Technologies	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Parking Technologies	0		TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
High Capacity Transit Corridors										
Route 1 Transitway (NEPP)	0	0	0	0	0	TBD	TBD	TBD	TBD	TBD
Information Technology										
GIS Development	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Municipal Fiber	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Project Management Software	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Application Portfolio Management	0	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD
Non-Motorized Transportation										
Van Dorn / Beauregard Bicycle Facilities	0	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD
Public Buildings										
City Hall HVAC & Infrastructure Replacement	0	0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Emergency Operations Center/Public Safety Center Reuse	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Pistol Range	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Public Transit										
DASH NEPP Implementation	0	0	0	0	0	TBD	TBD	TBD	TBD	TBD
Recreation and Parks										
Open Space Acquisition and Development	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Windmill Hill Park Improvements	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Patrick Henry Recreation Center	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD