

CAPITAL IMPROVEMENT PROGRAM

The Capital Improvement Program (CIP) accounts for capital improvement projects that generally require a significant outlay of funds and have a project life of longer than one year. Once funds are appropriated to the Capital Projects Fund for a project, the funds remain appropriated until the project is completed.

Henrico County's capital improvement needs and funding requirements are outlined in a separate document - the Capital Improvement Program FY2016-17 through FY2020-21. The CIP represents infrastructure improvements requested by County departments over the next five years to meet existing and future service obligations. In evaluating each of the projects, the CIP process takes into account such factors as population growth, density, desired service levels, economic development concerns, and the County's fiscal condition. In the end, the CIP reflects the needs and desires of the residents of Henrico.

The CIP also represents a balance between available resources and competing County priorities. Service demands continue to complicate the task of allocating limited resources. Those projects associated with the maintenance of existing infrastructure that have an identifiable funding source have been proposed for funding in FY2016-17. These projects include infrastructure improvements associated with water and sewer transmission and routine maintenance associated with Education facilities to ensure the County's existing infrastructure remains sound. Although many other projects are also needed, funding constraints necessitate only the highest priority projects be recommended for funding in FY2016-17.

The Capital Improvement Program provides for the orderly and systematic financing and acquisition of public improvements. It also provides information for the individual taxpayer, neighborhood councils, and other civic groups interested in the County's development plan; a statement of intention for Federal and State agencies who provide grants-in-aid to the County; and a source of information for potential investors who may purchase municipal securities. By projecting and scheduling capital improvements in advance of actual needs, the County obtains several advantages.

1. Reduction of the need for "crash programs" to finance the construction of County facilities.
2. Budgeting takes place within a system, which assures capital projects will be built according to a predetermined priority system while planning in advance for revenue needed to finance and complete these capital projects.
3. Advance planning ensures projects are well thought out in advance of construction.
4. It permits major purchases to be scheduled in conjunction with favorable market conditions.
5. Coordination with the operating budget is ensured. An important aspect of capital improvement planning is the affect capital expenditures have upon the annual operating cost of the County. When a new facility is established, it must be maintained and staffed, and obligations, which begin when it is made operational, will become continuous. Within the Proposed FY2016-17 Operating budget, all operating costs arising from current and previously approved capital projects that are becoming operational have been accounted for through a crosswalk analysis that is updated annually.

Funding for CIP projects typically comes from current revenues (pay-as-you-go financing). The operating budget is the primary mechanism through which current revenues are appropriated to capital projects. It is important to note that the FY2016-17 CIP includes the Education Meals Tax revenue which was approved by the voters in November 2013. A total of \$19.8 million associated with this revenue has been dedicated to various school maintenance and rehabilitation projects, which includes both current estimated collections as well as prior year funds collected over budget. In addition, funding of \$140.8 million associated with proposed revenue bond financing is included for Public Utilities projects. Other sources of financing for the CIP can include State Construction grants, State Lottery funds, State Transportation funds, State Wireless E-911 funds, and Enterprise Fund resources.

Capital Improvement Program (cont'd)

The amount appropriated for capital projects each year is based on the Capital Improvement Program in effect at the time of the development of the capital budget. The FY2016-17 through FY2020-21 CIP requests of \$1,517,583,452 represents a decrease of \$16,234,607 from the current FY2015-16 through FY2019-20 CIP of \$1,533,818,059. These needs are

put forward by Departments, and prioritized by the Departments over the five-year period. The proposed Capital Budget for FY2016-17 funds \$244,373,947 in the first year of the CIP.

The revenue sources proposed for the FY2016-17 Capital budget are as follows:

Revenue Sources:	Proposed FY2016-17
Capital Projects Fund:	
General Fund Operating Budget Transfers:	
General Fund - Designated Fund Balance	\$ 8,100,000
General Fund - Undesignated Fund Balance	350,000
General Fund - Designated Capital Reserve	4,899,400
General Fund - Education Meals Tax Revenue	9,000,000
General Fund - FY15 Meals Tax	8,783,247
General Fund - FY16 Meals Tax	2,000,000
General Fund - Designated Fund Balance - Permit Fees Revenue	1,000,000
General Fund Balance - Stormwater Dedication	2,348,000
Motor Vehicle License Fee Revenue - Public Works	850,000
Subtotal - General Fund Operating Budget Transfers:	\$ 37,330,647
Other Revenue:	
Other Local Revenue - MHDS Fund Balance	\$ 1,018,500
Landfill Revenue	150,000
Subtotal - Other Revenue	\$ 1,168,500
Subtotal - Capital Projects Fund	\$ 38,499,147
Vehicle Replacement Reserve:	
General Fund Operating Budget Transfers:	
General Fund Revenues	\$ 5,824,800
Subtotal - Vehicle Replacement Reserve	\$ 5,824,800
Enterprise Fund:	
Revenue Bonds	\$ 20,850,000
Water and Sewer Revenues	59,200,000
Subtotal - Enterprise Fund	\$ 80,050,000
Enterprise Fund:	
Revenue Bonds - Cobbs Creek	\$ 120,000,000
Total Capital Budget Revenues	<u>\$ 244,373,947</u>

Capital Improvement Program Calendar

Capital Improvement Program (CIP) preparation requires careful scheduling so the responsible officials are given adequate time and complete information to make sound program decisions. The large volume of data to be compiled into a clear, concise project request, requires the steps in the budget-making process be taken in scheduled and logical sequence. The Capital Improvement Program calendar provides, in chronological order, the key dates set each year to ensure prompt and efficient preparation and adoption of the Capital Budget:

MIDDLE OF JULY - Call for CIP estimates, calendar of dates, and other related information sent to departments.

FIRST WEEK OF SEPTEMBER - Deadline for submission of CIP requests to the Office of Management and Budget.

FIRST WEEK OF OCTOBER - Office of Management and Budget briefs CIP Review Committee and County Manager on status of CIP requests.

FOURTH WEEK OF NOVEMBER - Office of Management and Budget furnishes CIP Review Committee with details and summaries of departmental CIP requests.

SECOND WEEK OF DECEMBER – The County Manager and the CIP Review Committee conducts executive reviews with departments.

MIDDLE OF JANUARY – The County Manager and the CIP Review Committee submits the CIP and recommended Capital Budget to the Planning Commission.

MIDDLE OF JANUARY – Planning Commission announces a public hearing on the CIP for middle of February.

MIDDLE OF FEBRUARY – Planning Commission conducts public hearing and submits comments on CIP to the County Manager.

SECOND WEEK OF APRIL – Board of Supervisors conducts public hearing on the proposed Capital Budget.

LAST WEEK OF APRIL - Board of Supervisors adopts Capital Budget.

County of Henrico, Virginia
Proposed Capital Budget
FY2016-17

Project Number	Project Name	Proposed FY2016-17
Capital Projects Fund		
<u>General Fund</u>		
00518	Roof Replacements - Education	\$ 1,503,000
00527	Mechanical Improvements - Education	997,000
	Subtotal - Education	<u>\$ 2,500,000</u>
08289	Fire SCBA Replacement	\$ 1,700,000
06841	Fire Station Alerting System	1,008,000
	Subtotal - Fire	<u>\$ 2,708,000</u>
00572	Mechanical Improvements	\$ 750,000
00425	Roof Replacement and Rehabilitation	300,000
00423	Pavement Rehabilitation	400,000
01198	Energy Management	350,000
07038	Dumbarton Library Repurpose	2,000,000
08287	Parham Road Complex Improvements	691,400
08288	Courts Building Refresh	600,000
	Subtotal - General Services	<u>\$ 5,091,400</u>
06481	Information Technology Projects	\$ 400,000
07017	Data Center Upgrade	1,200,000
	Subtotal - Information Technology	<u>\$ 1,600,000</u>
00429	Geographic Information System	\$ 150,000
	Subtotal - Information Technology - GIS	<u>\$ 150,000</u>
07046	Chesapeake Bay TMDL/MS4 Compliance	\$ 2,348,000
	Subtotal - Public Works - Stormwater	<u>\$ 2,348,000</u>
06194	Facility Rehabilitation	\$ 500,000
06219	Greenwood Park	800,000
	Subtotal - Recreation and Parks	<u>\$ 1,300,000</u>
	Subtotal - General Fund	<u>\$ 15,697,400</u>
<u>General Fund Revenue - Education Meals Tax</u>		
06899	Education Meals Tax Project Reserve	\$ 9,000,000
	Subtotal - General Fund Revenue - Education Meals Tax	<u>\$ 9,000,000</u>
<u>General Fund Revenue - FY15 Meals Tax</u>		
06899	Education Meals Tax Project Reserve	\$ 8,783,247
	Subtotal - General Fund Revenue - FY15 Meals Tax	<u>\$ 8,783,247</u>

County of Henrico, Virginia
Proposed Capital Budget
FY2016-17

Project Number	Project Name	Proposed FY2016-17
Capital Projects Fund (Continued)		
<u>General Fund Revenue - FY16 Meals Tax</u>		
06899	Education Meals Tax Project Reserve	\$ 2,000,000
	Subtotal - General Fund Revenue - FY16 Meals Tax	\$ 2,000,000
<u>General Fund Revenue - Permit Fees</u>		
01033	Tidemark Replacement	\$ 1,000,000
	Subtotal - General Fund Revenue - Permit Fees	\$ 1,000,000
<u>General Fund Revenue - Public Works (Motor Vehicle License Fee)</u>		
00499	General Road Construction	\$ 850,000
	Subtotal - General Fund Revenue - Public Works	\$ 850,000
<u>Other Local Revenue - MHDS Fund Balance</u>		
08156	MH/DS Cerner/Anasazi System Replacement	\$ 1,018,500
	Subtotal - Other Local Revenue - MHDS Fund Balance	\$ 1,018,500
<u>Landfill Revenue</u>		
08173	Springfield Public Use Area Shed Replacement	\$ 150,000
	Subtotal - Landfill Revenue	\$ 150,000
Total - Capital Projects Fund		\$ 38,499,147
Vehicle Replacement Reserve		
<u>General Fund</u>		
06690	School Bus Replacement Plan	\$ 2,000,000
	Subtotal - Education	\$ 2,000,000
06692	Fire Apparatus Replacement Program	\$ 1,500,000
	Subtotal - Fire	\$ 1,500,000
06691	Police Vehicle Replacement Program	\$ 2,324,800
	Subtotal - Police	\$ 2,324,800
Total - Vehicle Replacement Reserve		\$ 5,824,800

County of Henrico, Virginia
Proposed Capital Budget
FY2016-17

Project Number	Project Name	Proposed FY2016-17
Enterprise Fund - Public Utilities - Water and Sewer		
<u>Other Local Revenue</u>		
00782	New Sewer Connections	\$ 100,000
00772	Sewer Line Extensions	500,000
00732	Sewer Line Rehabilitation	4,500,000
00743	Sewer Pump Station Improvements	1,600,000
00737	Sewer Relocations, Adjustments & Crossings	200,000
00725	Plan Review and Inspection	1,600,000
06492	Roof Replacement	50,000
00735	Water Reclamation Facility Expansion	8,500,000
06139	Gillies Creek Basin Sewer Rehabilitation	4,000,000
06446	Strawberry Hill FM Creighton Road	2,800,000
06447	Route 33 to Lakeside Sewer Main	18,000,000
07025	Meredith Branch FM Upgrade	8,000,000
08172	Water Reclamation Facility Improvements	500,000
Subtotal - Other Local Revenue		<u>\$ 50,350,000</u>
<u>Revenue Bonds</u>		
01076	Strawberry Hill Basin Sewer Rehabilitation	\$ 17,700,000
06131	Gambles Mill Basin Sewer Rehabilitation	1,150,000
06666	Horsepen Br Sewer - Broad Street to Route 33	2,000,000
Subtotal - Revenue Bonds		<u>\$ 20,850,000</u>
Subtotal - Sewer		<u>\$ 71,200,000</u>
<u>Other Local Revenue</u>		
00771	New Water Connections	\$ 100,000
00770	Water Line Extensions	300,000
00768	Water Line Rehabilitation	5,000,000
00769	Water Pumping Station Improvements	600,000
00780	Water Meters	350,000
00767	Water Relocations, Adjustments & Crossings	200,000
00811	Information Technology Projects	600,000
06382	Creighton Road Water Line	1,000,000
06383	Dabbs House Road Water Line	600,000
08171	Water Treatment Facility Improvements	100,000
Subtotal - Water		<u>\$ 8,850,000</u>
Total - Enterprise Fund - Public Utilities - Water and Sewer		<u>\$ 80,050,000</u>

County of Henrico, Virginia
Proposed Capital Budget
FY2016-17

Project Number	Project Name	Proposed FY2016-17
Enterprise Fund - Public Utilities - Cobbs Creek		
<u>Revenue Bonds</u>		
06125	Cobbs Creek (Cumberland) Reservoir	\$ 120,000,000
Subtotal - Revenue Bonds		\$ 120,000,000
TOTAL PROPOSED CAPITAL BUDGET FOR FY2016-17		\$ 244,373,947

Capital Improvement Program Summary

Fiscal Year 2016-17 through Fiscal Year 2020-21

By Department	Proposed FY2016-17	Requested FY2016-17	Requested FY2017-18	Requested FY2018-19	Requested FY2019-20	Requested FY2020-21	Total Requested
Capital Projects Fund							
Education	22,283,247	12,306,470	167,255,656	100,860,516	63,335,789	214,274,739	558,033,170
Fire	2,708,000	3,465,525	4,326,053	10,064,298	9,393,039	9,600,903	36,849,818
General Services	5,091,400	13,750,143	24,706,032	5,660,175	26,408,455	23,249,191	93,773,996
Information Technology	2,600,000	3,600,000	900,000	900,000	900,000	900,000	7,200,000
Information Technology - GIS	150,000	450,000	150,000	150,000	150,000	150,000	1,050,000
Mental Health	1,018,500	1,752,583	1,852,021	12,089,022	1,694,489	11,366,972	28,755,087
Police	0	20,000,000	1,490,358	0	0	0	21,490,358
Public Library	0	0	29,509,555	0	22,251,762	0	51,761,317
Public Utilities - Landfill	150,000	150,000	0	0	0	0	150,000
Public Works - Drainage	0	0	2,755,900	8,199,849	14,608,477	11,692,303	37,256,529
Public Works - Roadway	850,000	8,340,000	16,624,000	11,414,966	1,950,000	1,950,000	40,278,966
Public Works - Stormwater	2,348,000	2,348,000	2,348,000	2,348,000	2,348,000	2,348,000	11,740,000
Recreation	1,300,000	18,579,514	9,143,360	38,080,600	8,803,807	22,053,955	96,661,236
Sheriff	0	480,148	2,742,583	24,017,532	8,507,948	12,470,387	48,218,598
Total	38,499,147	85,222,383	263,803,518	213,784,958	160,351,766	310,056,450	1,033,219,075
Vehicle Replacement Reserve							
Education	2,000,000	2,000,000	2,500,000	3,000,000	3,500,000	4,000,000	15,000,000
Fire	1,500,000	0	0	0	0	0	0
Police	2,324,800	0	0	0	0	0	0
Total	5,824,800	2,000,000	2,500,000	3,000,000	3,500,000	4,000,000	15,000,000
Enterprise Fund - Water and Sewer							
Public Utilities - Sewer	71,200,000	71,200,000	69,175,000	30,325,000	46,100,000	57,350,000	274,150,000
Public Utilities - Water	8,850,000	8,850,000	21,450,000	8,450,000	6,825,000	27,750,000	73,325,000
Total	80,050,000	80,050,000	90,625,000	38,775,000	52,925,000	85,100,000	347,475,000
Enterprise Fund - Cobbs Creek							
Public Utilities - Cobbs Creek	120,000,000	120,000,000	0	0	0	0	120,000,000
Total	120,000,000	120,000,000	0	0	0	0	120,000,000
Enterprise Fund							
Recreation	0	0	400,996	390,236	311,975	786,170	1,889,377
Total	0	0	400,996	390,236	311,975	786,170	1,889,377
Grand Total	244,373,947	287,272,383	357,329,514	255,950,194	217,088,741	399,942,620	1,517,583,452

Capital Improvement Program Summary

Fiscal Year 2016-17 through Fiscal Year 2020-21

By Revenue Source	Proposed FY2016-17	Requested FY2016-17	Requested FY2017-18	Requested FY2018-19	Requested FY2019-20	Requested FY2020-21	Total Requested
Capital Projects Fund							
Federal Grant	0	4,600,000	0	9,464,966	0	0	14,064,966
General Fund	15,697,400	53,982,754	10,116,534	10,069,945	9,940,601	11,828,800	95,938,634
General Fund - Education Meals Tax	9,000,000	9,806,470	9,000,000	9,000,000	9,000,000	9,000,000	45,806,470
General Fund - FY15 Meals Tax	8,783,247	0	0	0	0	0	0
General Fund - FY16 Meals Tax	2,000,000	0	0	0	0	0	0
General Fund - Permit Fees	1,000,000	1,000,000	0	0	0	0	1,000,000
General Fund - Public Works	850,000	850,000	850,000	850,000	850,000	850,000	4,250,000
Landfill Revenue	150,000	150,000	0	0	0	0	150,000
No Funding Source	0	13,814,659	243,836,984	184,400,047	140,561,165	288,377,650	870,990,505
Other Local Revenue	1,018,500	1,018,500	0	0	0	0	1,018,500
Total	38,499,147	85,222,383	263,803,518	213,784,958	160,351,766	310,056,450	1,033,219,075
Vehicle Replacement Reserve							
General Fund	5,824,800	2,000,000	2,500,000	3,000,000	3,500,000	4,000,000	15,000,000
Total	5,824,800	2,000,000	2,500,000	3,000,000	3,500,000	4,000,000	15,000,000
Enterprise Fund - Water and Sewer							
Enterprise Fund	59,200,000	59,200,000	77,625,000	20,525,000	39,425,000	79,625,000	276,400,000
Revenue Bonds	20,850,000	20,850,000	13,000,000	18,250,000	13,500,000	5,475,000	71,075,000
Total	80,050,000	80,050,000	90,625,000	38,775,000	52,925,000	85,100,000	347,475,000
Enterprise Fund - Cobbs Creek							
Revenue Bonds	120,000,000	120,000,000	0	0	0	0	120,000,000
Total	120,000,000	120,000,000	0	0	0	0	120,000,000
Enterprise Fund							
Enterprise Fund	0	0	400,996	390,236	311,975	786,170	1,889,377
Total	0	0	400,996	390,236	311,975	786,170	1,889,377
Grand Total	244,373,947	287,272,383	357,329,514	255,950,194	217,088,741	399,942,620	1,517,583,452

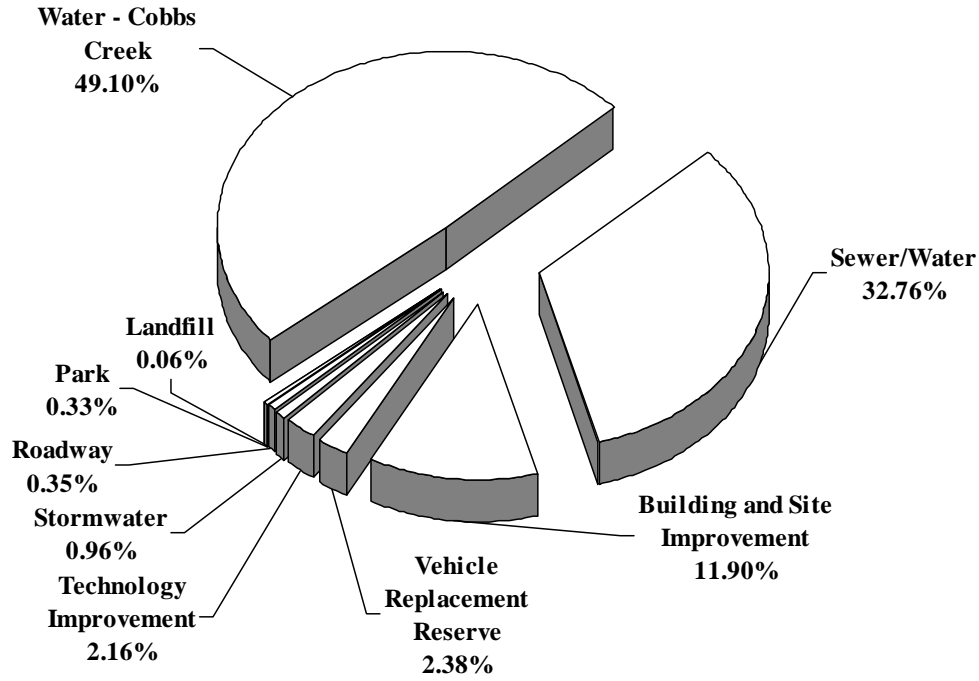
Capital Improvement Program Summary

Fiscal Year 2016-17 through Fiscal Year 2020-21

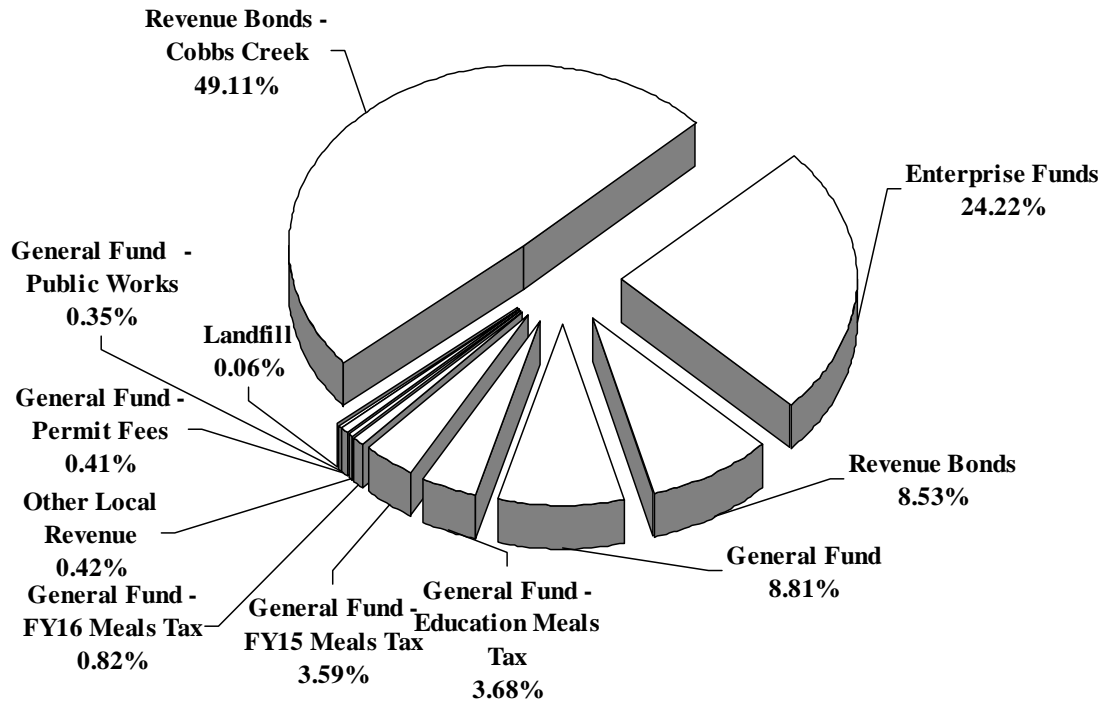
By Project Type	Proposed FY2016-17	Requested FY2016-17	Requested FY2017-18	Requested FY2018-19	Requested FY2019-20	Requested FY2020-21	Total Requested
Capital Projects Fund							
Building (New)	0	3,754,798	51,000,801	45,295,061	37,762,545	168,046,449	305,859,654
Building Addition	0	0	2,431,178	8,365,442	1,694,489	24,729,477	37,220,586
Building Improvement	28,174,647	25,738,396	176,932,226	94,807,372	87,713,470	72,322,383	457,513,847
Drainage	0	0	2,755,900	8,199,849	14,608,477	11,692,303	37,256,529
Land	0	734,083	0	0	0	0	734,083
Landfill	150,000	150,000	0	0	0	0	150,000
Park	800,000	14,884,219	0	18,960,246	0	16,459,915	50,304,380
Roadway	850,000	8,340,000	16,624,000	11,414,966	1,950,000	1,950,000	40,278,966
Site Improvement	900,000	4,396,072	10,661,413	23,344,022	13,224,785	11,457,923	63,084,215
Stormwater	2,348,000	2,348,000	2,348,000	2,348,000	2,348,000	2,348,000	11,740,000
Technology Improvement	5,276,500	24,876,815	1,050,000	1,050,000	1,050,000	1,050,000	29,076,815
Total	38,499,147	85,222,383	263,803,518	213,784,958	160,351,766	310,056,450	1,033,219,075
Vehicle Replacement Reserve							
Vehicle Replacement Reserve	5,824,800	2,000,000	2,500,000	3,000,000	3,500,000	4,000,000	15,000,000
Total	5,824,800	2,000,000	2,500,000	3,000,000	3,500,000	4,000,000	15,000,000
Enterprise Fund - Water and Sewer							
Sewer	71,200,000	71,200,000	69,175,000	30,325,000	46,100,000	57,350,000	274,150,000
Water	8,850,000	8,850,000	21,450,000	8,450,000	6,825,000	27,750,000	73,325,000
Total	80,050,000	80,050,000	90,625,000	38,775,000	52,925,000	85,100,000	347,475,000
Enterprise Fund - Cobbs Creek							
Water	120,000,000	120,000,000	0	0	0	0	120,000,000
Total	120,000,000	120,000,000	0	0	0	0	120,000,000
Enterprise Fund							
Golf Course	0	0	400,996	390,236	311,975	786,170	1,889,377
Total	0	0	400,996	390,236	311,975	786,170	1,889,377
Grand Total	244,373,947	287,272,383	357,329,514	255,950,194	217,088,741	399,942,620	1,517,583,452

Proposed FY2016-17 Capital Budget \$244,373,947

By Project Type



By Funding Source



CAPITAL PROJECTS BY DEPARTMENT FY2016-17

EDUCATION **\$ 24,283,247**

Education Meals Tax revenue of \$9.0 million, \$8,783,247 in FY2014-15 Meals Tax, and \$2.0 million in FY2015-16 Meals Tax receipts is forecasted for various maintenance and rehabilitation projects for Schools' facilities in FY2015-16. These projects include improvements to school facilities such as bathroom, kitchen, lighting, mechanical, roof, and site improvements. A total of \$2.5 million of General Fund revenue will support ongoing projects related to school roof replacements and mechanical systems improvements. In addition, General Fund resources of \$2.0 million are forecasted within the Vehicle Replacement Reserve for the School Bus Replacement Plan.

FIRE **\$ 4,208,000**

General Fund resources of \$1.7 million will provide funding for the replacement of the Division's Self-Contained Breathing Apparatus (SCBA) system. In addition, General Fund resources totaling \$1,008,000 has been allotted for final phase of a fire alerting system that will replace the current obsolete system in all of the fire stations. Outside of these two projects, General Fund resources totaling \$1.5 million are forecasted within the Vehicle Replacement Reserve for the Fire Apparatus Replacement Program.

GENERAL SERVICES **\$ 5,091,400**

General Fund resources of \$1.8 million are forecasted to fund ongoing roof, mechanical, pavement rehabilitation, and energy management projects. In addition, a total of \$3,291,400 in General Fund revenue will provide funding for the Parham Road Complex Improvements project, the Courts Building Refresh project, and the Dumbarton Library Repurpose project.

INFORMATION TECHNOLOGY **\$ 2,600,000**

Funding of \$1.0 million associated with Building Inspection's Permit Fee revenue is forecasted for the Tidemark replacement project as the software and database can no longer be upgraded. General Fund revenue of \$400,000 will support various information technology hardware and software upgrades. In addition, General Fund resources of \$1.2 million has been designated for the Data Center Upgrade project. This project will provide a better overall environmental infrastructure and create additional office space that would be shared by General Government and Schools' Information Technology staff.

INFORMATION TECHNOLOGY - GIS **\$ 150,000**

General Fund revenue of \$150,000 is included for the Geographical Information System (GIS) to continue the accumulation of funds in order to fly over the County on a routine basis.

MENTAL HEALTH **\$ 1,018,500**

Other local revenue of \$1,018,500 associated with Mental Health's fund balance has been forecasted for the replacement of the electronic health record system, which will improve service delivery, documentation, productivity, reporting, and collections.

POLICE **\$ 2,324,800**

General Fund resources of \$2,324,800 are forecasted within the Vehicle Replacement Reserve for the Police Vehicle Replacement Program.

PUBLIC UTILITIES - LANDFILL **\$ 150,000**

Public Utilities landfill revenue of \$150,000 is forecasted for the replacement of the Springfield Public Use Area Shed Replacement project.

PUBLIC WORKS - ROADWAY**\$ 850,000**

Public Works' Motor Vehicle License Fee revenue of \$850,000 has been designated for ongoing general road construction projects.

PUBLIC WORKS - STORMWATER**\$ 2,348,000**

Dedicated General Fund resources of \$2,348,000 are included for an ongoing stormwater project which has been submitted in order to meet the County's Chesapeake Bay Total Maximum Daily Load (TMDL) permit requirement. This project involves the construction of stream restoration, level spreaders, and bio-retention facilities.

RECREATION AND PARKS**\$ 1,300,000**

General Fund revenue of \$500,000 will provide for facility rehabilitation projects at various County parks. In addition, General Fund resources totaling \$800,000 have been allocated to the Greenwood Park project for road construction. This is a multi-year project that will continue the County's sports tourism efforts.

PUBLIC UTILITIES - SEWER**\$ 71,200,000**

Projects that will be funded by revenues from the use of sewer services include \$18.0 million for the Route 33 to Lakeside Sewer Main, \$8.5 million for the Water Reclamation Facility expansion, \$8.0 million for the Meredith Branch FM Upgrade, \$4.0 million for the Gillies Creek basin sewer rehabilitation, \$2.8 million for the Strawberry Hill FM Creighton Road, and \$500,000 for the Water Reclamation Facility improvements. Funding of \$8,550,000 is also included for new sewer connections, extensions of the existing sewer system, sewer line rehabilitation, preventive maintenance of various sewer pump stations, plan review and inspection activities, a roof replacement project, and various sewer relocations, adjustments, and crossings projects. Proposed revenue bond financing will be utilized for the Strawberry Hill Basin Sewer Rehabilitation - \$17.7 million, the Gambles Mill Basin Sewer Rehabilitation - \$1,150,000, and the Horsepen Branch Sewer – Broad Street to Route 33 - \$2.0 million.

PUBLIC UTILITIES - WATER**\$ 8,850,000**

Projects that will be funded by revenues from the use of water services include \$1.0 million for the Creighton Road water line, \$600,000 for the Dabbs House Road water line, and \$100,000 for the Water Treatment Facility improvements. Funding of \$7,150,000 is also included for information technology projects, new water connections, water line extensions, water line rehabilitation, water pumping station improvements, water meters, and various water relocations, adjustments, and crossings projects.

PUBLIC UTILITIES – COBBS CREEK**\$ 120,000,000**

Proposed revenue bond financing of \$120.0 million will be utilized for the Cobbs Creek Reservoir project.

Capital Improvement Program FY2016-17 through FY2020-21
Capital Projects Fund - Department Requests by Fiscal Year and Priority Number

Project	Priority	Project Type	Source	District	Proposed FY16-17	Request FY16-17	Request FY17-18	Request FY18-19	Request FY19-20	Request FY20-21	Total Five Year
Education											
00518		Roof Replacements	Bldg Impr	General Fund	Countywide	1,503,000	1,503,000	1,000,000	1,000,000	1,000,000	5,503,000
00527		Mechanical Improvements	Bldg Impr	General Fund	Countywide	997,000	997,000	1,500,000	1,500,000	1,500,000	6,997,000
06899		Education Meals Tax Project Reserve	Bldg Impr	General Fund - Ed Meals Tax	Countywide	9,000,000	9,806,470	9,000,000	9,000,000	9,000,000	45,806,470
06899		Education Meals Tax Project Reserve	Bldg Impr	General Fund - FY15 Meals Tax	Countywide	8,783,247	0	0	0	0	0
06899		Education Meals Tax Project Reserve	Bldg Impr	General Fund - FY16 Meals Tax	Countywide	2,000,000	0	0	0	0	0
08108		School Bus Replacement Plan	Vehicle Repl	General Fund	Countywide	2,000,000	2,000,000	2,500,000	3,000,000	3,500,000	15,000,000
08056	1	Holladay ES (9) Capacity Addition-Renovati	Bldg Impr	No Funding Source	Brookland	0	0	12,497,109	0	0	12,497,109
06305	2	Pemberton ES Renovation	Bldg Impr	No Funding Source	Tuckahoe	0	0	15,323,546	0	0	15,323,546
06304	3	Crestview ES Renovation	Bldg Impr	No Funding Source	Tuckahoe	0	0	13,173,286	0	0	13,173,286
06538	4	Skipwith ES Renovation	Bldg Impr	No Funding Source	Tuckahoe	0	0	14,198,847	0	0	14,198,847
06479	5	Tuckahoe MS Renovation	Bldg Impr	No Funding Source	Three Chopt	0	0	30,879,919	0	0	30,879,919
06388	6	Tucker HS Renovation	Bldg Impr	No Funding Source	Three Chopt	0	0	54,721,176	0	0	54,721,176
06539	7	Seven Pines ES Renovation	Bldg Impr	No Funding Source	Varina	0	0	13,920,798	0	0	13,920,798
06669	8	Tuckahoe District Land Improvements	Site Impr	No Funding Source	Tuckahoe	0	0	1,040,975	0	0	1,040,975
08057	1	Glen Allen ES (8) Capacity Addition-Renov	Bldg Add	No Funding Source	Brookland	0	0	7,489,651	0	0	7,489,651
06741	2	Virginia Randolph Complex Renovation	Bldg Impr	No Funding Source	Fairfield	0	0	22,978,671	0	0	22,978,671
06541	3	Chamberlayne ES Renovation	Bldg Impr	No Funding Source	Fairfield	0	0	14,131,113	0	0	14,131,113
06672	4	Jackson Davis ES Renovation	Bldg Impr	No Funding Source	Three Chopt	0	0	14,058,885	0	0	14,058,885
06673	5	Longan ES Renovation	Bldg Impr	No Funding Source	Brookland	0	0	14,524,728	0	0	14,524,728
06670	6	Multi-Sport Athletic Fields - phase 1	Site Impr	No Funding Source	Countywide	0	0	3,710,961	0	0	3,710,961
06742	7	Central Gardens Renovation	Bldg Impr	No Funding Source	Countywide	0	0	12,466,507	0	0	12,466,507
08058	1	Longan ES (8) Capacity Addition-Renovatio	Bldg Impr	No Funding Source	Brookland	0	0	0	10,382,736	0	10,382,736
06743	2	Highland Springs Elementary Renovation	Bldg Impr	No Funding Source	Varina	0	0	0	19,115,557	0	19,115,557
06744	3	Holladay Elementary School Renovation	Bldg Impr	No Funding Source	Brookland	0	0	0	18,441,001	0	18,441,001
06671	4	Multi-Sport Athletic Fields - phase 2	Site Impr	No Funding Source	Countywide	0	0	0	3,896,495	0	3,896,495
06300	1	Johnson ES (8) Capacity Addition-Renovatic	Bldg Add	No Funding Source	Brookland	0	0	0	0	13,362,505	13,362,505
06303	2	East Area HS #2	Bldg (New)	No Funding Source	Varina	0	0	0	0	109,223,069	109,223,069
06484	3	Glen Allen HS Technical Center	Bldg (New)	No Funding Source	Brookland	0	0	0	0	38,521,579	38,521,579
06745	4	Adams Elementary School Renovation	Bldg Impr	No Funding Source	Fairfield	0	0	0	0	18,785,263	18,785,263
06746	5	Carver Elementary School Renovation	Bldg Impr	No Funding Source	Tuckahoe	0	0	0	0	18,790,879	18,790,879
06674	6	Multi-Sport Athletic Fields - phase 3	Site Impr	No Funding Source	Countywide	0	0	0	0	4,091,444	4,091,444
Department Subtotal					24,283,247	14,306,470	169,755,656	103,860,516	66,835,789	218,274,739	573,033,170
Fire											
06692		Fire Apparatus Replacement Program	Vehicle Repl	General Fund	General Gov't	1,500,000	0	0	0	0	0
08289		Fire SCBA Replacement	Tech Impr	General Fund	Countywide	1,700,000	0	0	0	0	0
06841	1	Fire Station Alerting System	Tech Impr	General Fund	Countywide	1,008,000	1,008,315	0	0	0	1,008,315
06532	2	Training Center - Woodman Road	Bldg (New)	No Funding Source	Gen Gov't	0	2,457,210	0	0	0	2,457,210
06366	1	Fire Station #1	Bldg (New)	No Funding Source	Fairfield	0	0	1,894,875	6,860,210	0	8,755,085
08175	2	FS #14,15,16,17 Bathroom/Bunk Room	Bldg Add	No Funding Source	Countywide	0	0	2,431,178	0	0	2,431,178
06190	1	Staples Mill Fire Station	Bldg (New)	No Funding Source	Brookland	0	0	2,328,297	7,825,746	0	10,154,043
08174	2	FS #11 and FS#4 - Bathroom/Bunk Room	Bldg Add	No Funding Source	Countywide	0	0	875,791	0	0	875,791
06843	1	Eastgate/Newbridge Fire Station	Bldg (New)	No Funding Source	Fairfield	0	0	0	1,567,293	8,038,232	9,605,525
06177	1	Fire Station #6	Bldg (New)	No Funding Source	Varina	0	0	0	0	1,562,671	1,562,671
Department Subtotal					4,208,000	3,465,525	4,326,053	10,064,298	9,393,039	9,600,903	36,849,818
General Services											
01198		Energy Management	Bldg Impr	General Fund	General Gov't	350,000	0	0	0	0	0
08287		Parham Road Complex Improvements	Bldg Impr	General Fund	General Gov't	691,400	0	0	0	0	0
08288		Courts Building Refresh	Bldg Impr	General Fund	General Gov't	600,000	0	0	0	0	0
00572	1	Mechanical Improvements	Bldg Impr	General Fund	General Gov't	750,000	3,979,893	1,583,638	1,654,709	1,094,159	12,699,615
00425	2	Roof Replacement and Rehabilitation	Bldg Impr	General Fund	General Gov't	300,000	701,924	797,008	1,152,509	1,179,652	5,040,603
00423	3	Pavement Rehabilitation	Site Impr	General Fund	General Gov't	400,000	700,777	477,078	512,707	524,483	2,752,481
06477	4	Small Projects - Facility Refresh	Bldg Impr	No Funding Source	General Gov't	0	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
07038	5	Dumbarton Library Repurpose	Bldg Impr	General Fund	General Gov't	2,000,000	5,172,909	0	0	0	5,172,909
06096	6	Human Services Building Renovation	Bldg Impr	No Funding Source	General Gov't	0	719,902	6,789,219	0	0	7,509,121
00612	7	Administration Infill Building	Bldg (New)	No Funding Source	General Gov't	0	1,297,588	13,511,409	0	0	14,808,997
01199	8	County Generator Program	Bldg Impr	No Funding Source	General Gov't	0	177,150	547,680	1,340,250	856,747	2,118,315
06103	1	CAM East & Road Crew Building	Bldg (New)	No Funding Source	Varina	0	0	0	21,753,414	0	21,753,414
07036	1	East Govt. Center Swing Building	Bldg (New)	No Funding Source	Varina	0	0	0	0	10,700,898	10,700,898
00002	2	Circuit Courts Secure Inmate Corridor	Bldg Impr	No Funding Source	Brookland	0	0	0	0	6,108,414	6,108,414
06728	3	CAM Woodman Parking Expansion	Site Impr	No Funding Source	Fairfield	0	0	0	0	1,235,003	1,235,003
Department Subtotal					5,091,400	13,750,143	24,706,032	5,660,175	26,408,455	23,249,191	93,773,996
Information Technology											
06481	1	Information Technology Projects	Tech Impr	General Fund	General Gov't	400,000	900,000	900,000	900,000	900,000	4,500,000
01033	2	Tidemark Replacement	Tech Impr	General Fund - Permit Fees	General Gov't	1,000,000	1,000,000	0	0	0	1,000,000
07017	3	Data Center Upgrade	Bldg Impr	No Funding Source	General Gov't	1,200,000	1,200,000	0	0	0	1,200,000
08168	4	E911 Hardware Upgrade	Tech Impr	No Funding Source	General Gov't	0	500,000	0	0	0	500,000
Department Subtotal					2,600,000	3,600,000	900,000	900,000	900,000	900,000	7,200,000
Information Technology - GIS											
00429	1	Geographic Information System	Tech Impr	General Fund	General Gov't	150,000	150,000	150,000	150,000	150,000	750,000
06506	2	Work Order Management/CRM	Tech Impr	No Funding Source	General Gov't	0	300,000	0	0	0	300,000
Department Subtotal					150,000	450,000	150,000	150,000	150,000	150,000	1,050,000
Mental Health											
08156	1	MH/DS Cerner/Anasazi System Replacemen	Tech Impr	Other Local Revenue	General Gov't	1,018,500	1,018,500	0	0	0	1,018,500
06577	2	East Center Replacement Land Purchase	Land	No Funding Source	General Gov't	0	734,083	0	0	0	734,083
06661	1	East Center Replacement Construction	Bldg (New)	No Funding Source	General Gov't	0	0	1,852,021	12,089,022	0	13,941,043
06662	1	Woodman Road Expansion Construction	Bldg Add	No Funding Source	General Gov't	0	0	0	1,694,489	11,366,972	13,061,461

Capital Improvement Program FY2016-17 through FY2020-21
Capital Projects Fund - Department Requests by Fiscal Year and Priority Number

Project	Priority	Project Type	Source	District	Proposed FY16-17	Request FY16-17	Request FY17-18	Request FY18-19	Request FY19-20	Request FY20-21	Total Five Year
Department Subtotal					1,018,500	1,752,583	1,852,021	12,089,022	1,694,489	11,366,972	28,755,087
Police											
06691 Police Vehicle Replacement Program		Vehicle Repl	General Fund	General Gov't	2,324,800	0	0	0	0	0	0
06460 County Radio Comm. System Replacement	1	Tech Impr	General Fund	General Gov't	0	20,000,000	0	0	0	0	20,000,000
06730 Tactical Training Facility	1	Bldg (New)	No Funding Source	General Gov't	0	0	1,490,358	0	0	0	1,490,358
Department Subtotal					2,324,800	20,000,000	1,490,358	0	0	0	21,490,358
Public Library											
06274 Fairfield Area Library Replacement	1	Bldg (New)	No Funding Source	Fairfield	0	0	29,509,555	0	0	0	29,509,555
09998 Tuckahoe Library Renew/Repurpose	1	Bldg Impr	No Funding Source	Tuckahoe	0	0	0	0	12,996,574	0	12,996,574
09999 Twin Hickory Library Renew/Repurpose	2	Bldg Impr	No Funding Source	Three Chopt	0	0	0	0	9,255,188	0	9,255,188
Department Subtotal					0	0	29,509,555	0	22,251,762	0	51,761,317
Public Utilities - Landfill											
08173 Springfield Public Use Area Shed Replacement	1	Landfill	Landfill Revenue	Three Chopt	150,000	150,000	0	0	0	0	150,000
Department Subtotal					150,000	150,000	0	0	0	0	150,000
Public Works - Drainage											
00678 Tuckahoe Park, Phase 2	1	Drainage	No Funding Source	Three Chopt	0	0	420,000	3,780,000	0	0	4,200,000
06051 Joycelyn Court/Shewalt Drive Drainage	2	Drainage	No Funding Source	Fairfield	0	0	414,167	0	0	0	414,167
05013 Lawndale Farms Drainage	3	Drainage	No Funding Source	Varina	0	0	994,000	0	0	0	994,000
06037 Avalon Drive Drainage	4	Drainage	No Funding Source	Tuckahoe	0	0	828,333	0	0	0	828,333
06846 Lakeside Drainage Area Study	5	Drainage	No Funding Source	Brookland	0	0	99,400	0	0	0	99,400
06009 Linda Road Drainage	1	Drainage	No Funding Source	Varina	0	0	0	383,759	0	0	383,759
06589 Oak Hill Lane Drainage	2	Drainage	No Funding Source	Fairfield	0	0	0	1,444,304	0	0	1,444,304
06476 Gaylord Road Drainage	3	Drainage	No Funding Source	Three Chopt	0	0	0	866,581	0	0	866,581
06020 Falmouth/Tacoma Street Drainage Study	4	Drainage	No Funding Source	Brookland	0	0	0	103,989	0	0	103,989
06004 Rolando Drive Drainage	5	Drainage	No Funding Source	Tuckahoe	0	0	0	1,621,216	0	0	1,621,216
06006 Huntsman Road Drainage Channel	1	Drainage	No Funding Source	Varina	0	0	0	0	3,584,376	0	3,584,376
06013 Homeview Drive Design	2	Drainage	No Funding Source	Three Chopt	0	0	0	0	510,000	0	510,000
06588 St. Claire Lane Drainage	3	Drainage	No Funding Source	Fairfield	0	0	0	0	1,512,271	0	1,512,271
06000 Beverly Drive/Dinwiddie Avenue Drainage	4	Drainage	No Funding Source	Tuckahoe	0	0	0	0	1,513,701	0	1,513,701
06053 Thorpes Branch	5	Drainage	No Funding Source	Brookland	0	0	0	0	7,488,129	0	7,488,129
06010 Henderson Road Drainage	1	Drainage	No Funding Source	Brookland	0	0	0	0	0	486,644	486,644
06076 Monterey Avenue Drainage	2	Drainage	No Funding Source	Varina	0	0	0	0	0	661,271	661,271
06057 Central Gardens Drainage	3	Drainage	No Funding Source	Fairfield	0	0	0	0	0	2,331,853	2,331,853
06073 Georges Branch Channel	4	Drainage	No Funding Source	Tuckahoe	0	0	0	0	0	6,821,584	6,821,584
06002 Barribee Lane Drainage	5	Drainage	No Funding Source	Three Chopt	0	0	0	0	0	1,390,951	1,390,951
Department Subtotal					0	0	2,755,900	8,199,849	14,608,477	11,692,303	37,256,529
Public Works - Roadway											
00611 Sadler Road Improvement Project	1	Roadway	Federal Grant	Three Chopt	0	4,600,000	0	9,464,966	0	0	14,064,966
00499 General Road Construction	2	Roadway	General Fund - Public Works	Countywide	850,000	850,000	850,000	850,000	850,000	850,000	4,250,000
06837 Countywide Pedestrian Improvements	3	Roadway	No Funding Source	Countywide	0	500,000	500,000	500,000	500,000	500,000	2,500,000
07043 Woodman Road Extension	4	Roadway	No Funding Source	B, F	0	1,500,000	14,674,000	0	0	0	16,174,000
08167 Scott Road Engineering Feasibility Study	5	Roadway	No Funding Source	Fairfield	0	290,000	0	0	0	0	290,000
08163 Countywide Engineering Feasibility Studies	6	Roadway	No Funding Source	Countywide	0	600,000	600,000	600,000	600,000	600,000	3,000,000
Department Subtotal					850,000	8,340,000	16,624,000	11,414,966	1,950,000	1,950,000	40,278,966
Public Works - Stormwater											
07046 Chesapeake Bay TMDL/MS4 Compliance	1	Stormwater	General Fund	Countywide	2,348,000	2,348,000	2,348,000	2,348,000	2,348,000	2,348,000	11,740,000
Department Subtotal					2,348,000	2,348,000	2,348,000	2,348,000	2,348,000	2,348,000	11,740,000
Recreation											
06194 Facility Rehabilitation	1	Site Impr	General Fund	Countywide	500,000	1,636,717	1,360,810	852,020	1,244,307	2,914,239	8,008,093
06726 Cheswick Park	2	Site Impr	No Funding Source	Three Chopt	0	2,058,578	0	0	0	0	2,058,578
06219 Greenwood Park	3	Park	General Fund	Brookland	800,000	14,884,219	0	0	0	0	14,884,219
06235 Highland Springs Recreation Area	1	Site Impr	No Funding Source	Varina	0	0	1,606,514	0	0	0	1,606,514
06200 Dorey Park	2	Site Impr	No Funding Source	Varina	0	0	6,176,036	0	0	0	6,176,036
06735 Taylor Park	1	Park	No Funding Source	Varina	0	0	0	18,960,246	0	0	18,960,246
06435 Tuckahoe Park	2	Site Impr	No Funding Source	Tuckahoe	0	0	0	16,017,474	0	0	16,017,474
06238 Three Lakes Nature Center Park	3	Site Impr	No Funding Source	Fairfield	0	0	0	2,250,860	0	0	2,250,860
06253 Laurel Recreation Area	1	Site Impr	No Funding Source	Brookland	0	0	0	0	3,673,393	0	3,673,393
06336 Glen Lea Recreation/Vawter Street Park	2	Site Impr	No Funding Source	Fairfield	0	0	0	0	3,886,107	0	3,886,107
00509 Pouncey Tract Park	1	Site Impr	No Funding Source	Three Chopt	0	0	0	0	0	2,679,801	2,679,801
06229 Allen's Branch	2	Park	No Funding Source	Three Chopt	0	0	0	0	0	16,459,915	16,459,915
Department Subtotal					1,300,000	18,579,514	9,143,360	38,080,600	8,803,807	22,053,955	96,661,236
Sheriff											
07016 Body Scanner	1	Bldg Impr	No Funding Source	General Gov't	0	175,000	0	0	0	0	175,000
06854 Jail East and West Kitchen Improvements	2	Bldg Impr	No Funding Source	General Gov't	0	103,500	0	0	0	0	103,500
08166 Jail East Sallyport Gates and Hardware	3	Bldg Impr	No Funding Source	General Gov't	0	201,648	0	0	0	0	201,648
01112 Jail East Special Housing Unit	1	Bldg (New)	No Funding Source	General Gov't	0	0	2,742,583	23,029,895	0	0	25,772,478
01111 Sheriff's Office Relocation	1	Bldg (New)	No Funding Source	General Gov't	0	0	0	987,637	6,616,092	0	7,603,729
06386 Female Housing and Alternate Sentencing R	1	Bldg Impr	No Funding Source	General Gov't	0	0	0	0	1,891,856	12,470,387	14,362,243
Department Subtotal					0	480,148	2,742,583	24,017,532	8,507,948	12,470,387	48,218,598
Grand Total - Capital Projects Fund*					44,323,947	87,222,383	266,303,518	216,784,958	163,851,766	314,056,450	1,048,219,075

*Includes the Vehicle Replacement Reserve

Capital Improvement Program FY2016-17 through FY2020-21
Enterprise Fund - Public Utility Requests by Fiscal Year and Priority Number

Project	Priority	Project Type	Source	District	Proposed FY16-17	Request FY16-17	Request FY17-18	Request FY18-19	Request FY19-20	Request FY20-21	Total Five Year
Public Utilities - Sewer											
00782 New Sewer Connections	1	Sewer	Enterprise Fund	Countywide	100,000	100,000	100,000	100,000	100,000	100,000	500,000
00772 Sewer Line Extensions	2	Sewer	Enterprise Fund	Countywide	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
00732 Sewer Line Rehabilitation	3	Sewer	Enterprise Fund	Countywide	4,500,000	4,500,000	3,000,000	3,000,000	3,000,000	3,000,000	16,500,000
00743 Sewer Pump Station Improvements	4	Sewer	Enterprise Fund	Countywide	1,600,000	1,600,000	900,000	1,400,000	100,000	250,000	4,250,000
00737 Sewer Reloc., Adjustments & Crossings	5	Sewer	Enterprise Fund	Countywide	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
00725 Plan Review and Inspection	6	Sewer	Enterprise Fund	Countywide	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	8,000,000
06492 Roof Replacement	7	Sewer	Enterprise Fund	Countywide	50,000	50,000	50,000	50,000	50,000	50,000	250,000
00735 Water Reclamation Facility Expansion	8	Sewer	Enterprise Fund	Varina	8,500,000	8,500,000	525,000	1,275,000	0	26,750,000	37,050,000
01076 Strawberry Hill Basin Sewer Rehab	9	Sewer	Revenue Bonds	B, F, T, TC	17,700,000	17,700,000	5,250,000	9,000,000	9,000,000	5,000,000	45,950,000
06139 Gillies Creek Basin Sewer Rehabilitation	10	Sewer	Enterprise Fund	V, F	4,000,000	4,000,000	0	450,000	750,000	4,000,000	9,200,000
06131 Gambles Mill Basin Sewer Rehabilitation	11	Sewer	Revenue Bonds	Tuckahoe	1,150,000	1,150,000	7,750,000	3,500,000	4,500,000	475,000	17,375,000
06446 Strawberry Hill FM Creighton Rd Vent Felty.	12	Sewer	Enterprise Fund	Fairfield	2,800,000	2,800,000	0	0	0	0	2,800,000
06447 Route 33 To Lakeside Sewer Main	13	Sewer	Enterprise Fund	B, F	18,000,000	18,000,000	0	0	0	0	18,000,000
07025 Meredith Branch FM Upgrade	14	Sewer	Enterprise Fund	Brookland	8,000,000	8,000,000	0	0	0	0	8,000,000
06666 Horsepen Br Sew - Broad Street to Rte 33	15	Sewer	Revenue Bonds	Brookland	2,000,000	2,000,000	0	5,750,000	0	0	7,750,000
08172 Water Reclamation Facility Improvements	16	Sewer	Enterprise Fund	Varina	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
06152 Gambles Mill SPS FEB Modification	1	Sewer	Enterprise Fund	Tuckahoe	0	0	15,500,000	0	0	0	15,500,000
07024 Tuckahoe Creek 27" Sewer Replacement	2	Sewer	Enterprise Fund	Tuckahoe	0	0	1,200,000	0	0	0	1,200,000
06723 Gambles Mill FM Improvements	3	Sewer	Enterprise Fund	Tuckahoe	0	0	2,100,000	0	0	0	2,100,000
06569 Upham Brook Storage Facilities	4	Sewer	Enterprise Fund	Fairfield	0	0	25,000,000	0	0	0	25,000,000
06667 Tuckahoe Creek Trunk Sewer Rehab	5	Sewer	Enterprise Fund	TC, T	0	0	5,000,000	0	19,000,000	0	24,000,000
06838 Allens and Rooty Branch Force Main Upgrade	1	Sewer	Enterprise Fund	B, TC	0	0	0	1,500,000	0	7,150,000	8,650,000
06444 Hungary Road Vent Facility	2	Sewer	Enterprise Fund	Brookland	0	0	0	1,500,000	5,600,000	0	7,100,000
07029 Gillies Creek SPS FEB	1	Sewer	Enterprise Fund	Varina	0	0	0	0	1,200,000	0	1,200,000
06135 River Road Basin Sewer Rehabilitation	1	Sewer	Enterprise Fund	T, TC	0	0	0	0	0	775,000	775,000
07026 Rooty Branch SPS Replacement	2	Sewer	Enterprise Fund	Three Chopt	0	0	0	0	0	3,000,000	3,000,000
07027 Rooty Branch Sewers	3	Sewer	Enterprise Fund	Three Chopt	0	0	0	0	0	1,500,000	1,500,000
07028 Rooty Branch Force Main Upgrade	4	Sewer	Enterprise Fund	TC, B	0	0	0	0	0	400,000	400,000
06449 White Oak SPS Improvements	5	Sewer	Enterprise Fund	Varina	0	0	0	0	0	800,000	800,000
06450 White Oak SPS FM	6	Sewer	Enterprise Fund	Varina	0	0	0	0	0	1,300,000	1,300,000
Sewer Subtotal					71,200,000	71,200,000	69,175,000	30,325,000	46,100,000	57,350,000	274,150,000
Public Utilities - Water											
00771 New Water Connections	1	Water	Enterprise Fund	Countywide	100,000	100,000	100,000	100,000	100,000	100,000	500,000
00770 Water Line Extensions	2	Water	Enterprise Fund	Countywide	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
00768 Water Line Rehabilitation	3	Water	Enterprise Fund	Countywide	5,000,000	5,000,000	2,000,000	3,000,000	5,000,000	5,000,000	20,000,000
00769 Water Pumping Station Improvements	4	Water	Enterprise Fund	Countywide	600,000	600,000	3,400,000	1,100,000	775,000	500,000	6,375,000
00780 Water Meters	5	Water	Enterprise Fund	Countywide	350,000	350,000	350,000	350,000	350,000	350,000	1,750,000
00767 Water Reloc., Adjustments & Crossings	6	Water	Enterprise Fund	Countywide	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
00811 Information Technology Projects	7	Water	Enterprise Fund	Countywide	600,000	600,000	15,000,000	0	0	0	15,600,000
06382 Creighton Road Water Line	9	Water	Enterprise Fund	F, V	1,000,000	1,000,000	0	0	0	0	1,000,000
06383 Dabbs House Road Water Line	10	Water	Enterprise Fund	Varina	600,000	600,000	0	0	0	0	600,000
08171 Water Treatment Facility Improvements	11	Water	Enterprise Fund	Three Chopt	100,000	100,000	100,000	100,000	100,000	100,000	500,000
06118 Sadler Road 12" Water Line	1	Water	Enterprise Fund	Three Chopt	0	0	0	1,800,000	0	0	1,800,000
08162 Woodman Road Water Line	2	Water	Enterprise Fund	B,F	0	0	0	1,500,000	0	0	1,500,000
06513 Bacova Road Water Pump Station & Tank	1	Water	Enterprise Fund	Three Chopt	0	0	0	0	0	1,200,000	1,200,000
06515 Water Transmission Mains Ph 2	2	Water	Enterprise Fund	B, V, F	0	0	0	0	0	20,000,000	20,000,000
Water Subtotal					8,850,000	8,850,000	21,450,000	8,450,000	6,825,000	27,750,000	73,325,000
Grand Total - Enterprise Fund - Water and Sewer					80,050,000	80,050,000	90,625,000	38,775,000	52,925,000	85,100,000	347,475,000
Public Utilities - Cobbs Creek											
06125 Cobbs Creek (Cumberland) Reservoir	8	Water	Revenue Bonds	Countywide	120,000,000	120,000,000	0	0	0	0	120,000,000
Cobbs Creek Subtotal					120,000,000	120,000,000	0	0	0	0	120,000,000

Capital Improvement Program FY2016-17 through FY2020-21
Enterprise Fund - Belmont Golf Course Requests by Fiscal Year and Priority Number

Project		Priority	Project Type	Source	District	Proposed FY16-17	Request FY16-17	Request FY17-18	Request FY18-19	Request FY19-20	Request FY20-21	Total Five Year
Recreation												
06251	Belmont Golf Course Drainage	1	Golf Course	Enterprise Fund	Fairfield	0	0	400,996	0	0	0	400,996
06249	Belmont Golf Course Cart Path Overlay	1	Golf Course	Enterprise Fund	Fairfield	0	0	0	390,236	0	0	390,236
06250	Belmont Golf Course Bunker Renovations	1	Golf Course	Enterprise Fund	Fairfield	0	0	0	0	311,975	0	311,975
06357	Belmont Golf Course Pond Management	1	Golf Course	Enterprise Fund	Fairfield	0	0	0	0	0	786,170	786,170
Golf Course Subtotal						0	0	400,996	390,236	311,975	786,170	1,889,377
Grand Total - Enterprise Fund						0	0	400,996	390,236	311,975	786,170	1,889,377

CAPITAL IMPROVEMENT PROGRAM IMPLICATIONS ON OPERATING BUDGET

The Capital Improvement Program (CIP) accounts for capital improvement projects that generally require a significant outlay of funds and have a project life of longer than one year. Henrico County's capital improvement needs and funding requirements are outlined in the Capital Improvement Program FY2016-17 through FY2020-21.

Bringing a new facility on-line requires additional costs such as maintenance, utilities, and personnel to operate the new facility. This impact to future operating budgets is considered before funding for a capital project is recommended. Operating costs associated with a new facility are added to departments' budgets in the year of the facility's projected opening date through a complete "crosswalk" between the capital and operating budgets.

The proposed Capital Budget for FY2016-17 is \$244,373,947, which funds a portion of the project

requests in the first year of the CIP. The projects in the FY2016-17 proposed Capital Budget do not have an operating impact on the FY2016-17 operating budget as the operating costs have implications on operating budgets beyond FY2016-17. Those costs have been factored into the County's multi-year expenditure forecasts. The FY2016-17 operating budget includes \$1,864,067 in operating costs arising from the Libbie Mill Area Library, the Varina Area Library, the Central Station facility, Short Pump Park, and partial year costs associated with Fire Station #19. These operating costs are being funded utilizing the Revenue Stabilization Reserve, which was established in FY2000-01 to offset the increase in operating costs associated with bond funded projects.

What appears in the following pages is the estimated incremental impact of operating costs that would arise from all the current capital projects requested within the five-year Capital Improvement Program.

**Capital Improvement Program
Fiscal Year 2016-17 through FY2020-21
Fund 21 - Capital Projects Fund
Associated Operating Cost**

Project	Priority	Project Type	Source	District	Request FY16-17	Request FY17-18	Request FY18-19	Request FY19-20	Request FY20-21	Total Five Year		
Education												
00518		Roof Replacements	Bldg Impr	General Fund	Countywide	0	0	0	0	0		
00527		Mechanical Improvements	Bldg Impr	General Fund	Countywide	0	0	0	0	0		
06899		Education Meals Tax Project Reserve	Bldg Impr	General Fund - Ed Meals Tax	Countywide	0	0	0	0	0		
06899		Education Meals Tax Project Reserve	Bldg Impr	General Fund - FY15 Meals Tax	Countywide	0	0	0	0	0		
06899		Education Meals Tax Project Reserve	Bldg Impr	General Fund - FY16 Meals Tax	Countywide	0	0	0	0	0		
08108		School Bus Replacement Plan	Vehicle Repl	General Fund	Countywide	0	0	0	0	0		
08056		Holladay ES (9) Capacity Addition-Renovation	1	Bldg Impr	No Funding Source	Brookland	0	0	898,843	898,843	898,843	2,696,529
06305		Pemberton ES Renovation	2	Bldg Impr	No Funding Source	Tuckahoe	0	0	0	0	0	0
06304		Crestview ES Renovation	3	Bldg Impr	No Funding Source	Tuckahoe	0	0	0	0	0	0
06538		Skipwith ES Renovation	4	Bldg Impr	No Funding Source	Tuckahoe	0	0	0	0	0	0
06479		Tuckahoe MS Renovation	5	Bldg Impr	No Funding Source	Three Chopt	0	0	0	0	0	0
06388		Tucker HS Renovation	6	Bldg Impr	No Funding Source	Three Chopt	0	0	0	0	0	0
06539		Seven Pines ES Renovation	7	Bldg Impr	No Funding Source	Varina	0	0	0	0	0	0
06669		Tuckahoe District Land Improvements	8	Site Impr	No Funding Source	Tuckahoe	0	0	0	0	0	0
08057		Glen Allen ES (8) Capacity Addition-Renovatio	1	Bldg Add	No Funding Source	Brookland	0	0	0	880,866	880,866	1,761,732
06741		Virginia Randolph Complex Renovation	2	Bldg Impr	No Funding Source	Fairfield	0	0	0	0	0	0
06541		Chamberlayne ES Renovation	3	Bldg Impr	No Funding Source	Fairfield	0	0	0	0	0	0
06672		Jackson Davis ES Renovation	4	Bldg Impr	No Funding Source	Three Chopt	0	0	0	0	0	0
06673		Longan ES Renovation	5	Bldg Impr	No Funding Source	Brookland	0	0	0	0	0	0
06670		Multi-Sport Athletic Fields - phase 1	6	Site Impr	No Funding Source	Countywide	0	0	0	0	0	0
06742		Central Gardens Renovation	7	Bldg Impr	No Funding Source	Countywide	0	0	0	0	0	0
08058		Longan ES (8) Capacity Addition-Renovation	1	Bldg Impr	No Funding Source	Brookland	0	0	0	0	924,909	924,909
06743		Highland Springs Elementary Renovation	2	Bldg Impr	No Funding Source	Varina	0	0	0	0	0	0
06744		Holladay Elementary School Renovation	3	Bldg Impr	No Funding Source	Brookland	0	0	0	0	0	0
06671		Multi-Sport Athletic Fields - phase 2	4	Site Impr	No Funding Source	Countywide	0	0	0	0	0	0
06300		Johnson ES (8) Capacity Addition-Renovation	1	Bldg Add	No Funding Source	Brookland	0	0	0	0	0	0
06303		East Area HS #2	2	Bldg (New)	No Funding Source	Varina	0	0	0	0	0	0
06484		Glen Allen HS Technical Center	3	Bldg (New)	No Funding Source	Brookland	0	0	0	0	0	0
06745		Adams Elementary School Renovation	4	Bldg Impr	No Funding Source	Fairfield	0	0	0	0	0	0
06746		Carver Elementary School Renovation	5	Bldg Impr	No Funding Source	Tuckahoe	0	0	0	0	0	0
06674		Multi-Sport Athletic Fields - phase 3	6	Site Impr	No Funding Source	Countywide	0	0	0	0	0	0
Department Subtotal					0	0	898,843	1,779,709	2,704,618	5,383,170		
Fire												
06692		Fire Apparatus Replacement Program	Vehicle Repl	General Fund	General Gov't	0	0	0	0	0	0	
08289		Fire SCBA Replacement	Tech Impr	General Fund	Countywide	0	0	0	0	0	0	
06841		Fire Station Alerting System	1	Tech Impr	General Fund	Countywide	0	110,000	110,000	110,000	440,000	
06532		Training Center - Woodman Road	2	Bldg (New)	No Funding Source	Gen Gov't	0	69,507	69,507	69,507	278,028	
06366		Fire Station #1	1	Bldg (New)	No Funding Source	Fairfield	0	0	92,783	92,783	185,566	
08175		FS #14,15,16,17 Bathroom/Bunk Room	2	Bldg Add	No Funding Source	Countywide	0	0	25,020	25,020	75,060	
06190		Staples Mill Fire Station	1	Bldg (New)	No Funding Source	Brookland	0	0	0	1,814,425	1,814,425	
08174		FS #11 and FS#4 - Bathroom/Bunk Room	2	Bldg Add	No Funding Source	Countywide	0	0	7,160	7,160	14,320	
06843		Eastgate/Newbridge Fire Station	1	Bldg (New)	No Funding Source	Fairfield	0	0	0	0	0	
06177		Fire Station #6	1	Bldg (New)	No Funding Source	Varina	0	0	0	0	0	
Department Subtotal					0	179,507	204,527	304,470	2,118,895	2,807,399		
General Services												
01198		Energy Management	Bldg Impr	General Fund	General Gov't	0	0	0	0	0	0	
08287		Parham Road Complex Improvements	Bldg Impr	General Fund	General Gov't	0	0	0	0	0	0	
08288		Courts Building Refresh	Bldg Impr	General Fund	General Gov't	0	0	0	0	0	0	
00572		Mechanical Improvements	1	Bldg Impr	General Fund	General Gov't	0	0	0	0	0	
00425		Roof Replacement and Rehabilitation	2	Bldg Impr	General Fund	General Gov't	0	0	0	0	0	
00423		Pavement Rehabilitation	3	Site Impr	General Fund	General Gov't	0	0	0	0	0	
06477		Small Projects - Facility Refresh	4	Bldg Impr	No Funding Source	General Gov't	0	0	0	0	0	
07038		Dumbarton Library Repurpose	5	Bldg Impr	General Fund	General Gov't	0	0	0	0	0	
06096		Human Services Building Renovation	6	Bldg Impr	No Funding Source	General Gov't	0	0	0	0	0	
00612		Administration Infill Building	7	Bldg (New)	No Funding Source	General Gov't	0	0	275,550	275,550	826,650	
01199		County Generator Program	8	Bldg Impr	No Funding Source	General Gov't	0	0	0	0	0	
06103		CAM East & Road Crew Building	1	Bldg (New)	No Funding Source	Varina	0	0	0	0	0	
07036		East Govt. Center Swing Building	1	Bldg (New)	No Funding Source	Varina	0	0	0	0	0	
00002		Circuit Courts Secure Inmate Corridor	2	Bldg Impr	No Funding Source	Brookland	0	0	0	0	0	
06728		CAM Woodman Parking Expansion	3	Site Impr	No Funding Source	Fairfield	0	0	0	0	0	
Department Subtotal					0	0	275,550	275,550	275,550	826,650		
Information Technology												
06481		Information Technology Projects	1	Tech Impr	General Fund	General Gov't	0	0	0	0	0	
01033		Tidemark Replacement	2	Tech Impr	General Fund - Permit Fees	General Gov't	0	100,000	100,000	100,000	400,000	
07017		Data Center Upgrade	3	Bldg Impr	No Funding Source	General Gov't	0	0	0	0	0	
08168		E911 Hardware Upgrade	4	Tech Impr	No Funding Source	General Gov't	0	0	0	0	0	
Department Subtotal					0	100,000	100,000	100,000	100,000	400,000		

**Capital Improvement Program
Fiscal Year 2016-17 through FY2020-21
Fund 21 - Capital Projects Fund
Associated Operating Cost**

Project	Priority	Project Type	Source	District	Request FY16-17	Request FY17-18	Request FY18-19	Request FY19-20	Request FY20-21	Total Five Year		
Information Technology - GIS												
00429		Geographic Information System	1	Tech Impr	General Fund	General Gov't	0	0	0	0		
06506		Work Order Management/CRM	2	Tech Impr	No Funding Source	General Gov't	0	0	0	0		
Department Subtotal					0	0	0	0	0	0		
Mental Health												
08156		MH/DS Cerner/Anasazi System Replacement	1	Tech Impr	Other Local Revenue	General Gov't	0	150,000	150,000	150,000	150,000	600,000
06577		East Center Replacement Land Purchase	2	Land	No Funding Source	General Gov't	0	0	0	0	0	0
06661		East Center Replacement Construction	1	Bldg (New)	No Funding Source	General Gov't	0	0	0	0	0	0
06662		Woodman Road Expansion Construction	1	Bldg Add	No Funding Source	General Gov't	0	0	0	0	0	0
Department Subtotal					0	150,000	150,000	150,000	150,000	600,000		
Police												
06691		Police Vehicle Replacement Program		Vehicle Repl	General Fund	General Gov't	0	0	0	0	0	
06460		County Radio Comm. System Replacement	1	Tech Impr	General Fund	General Gov't	159,737	680,709	2,007,552	2,020,308	2,127,474	6,995,780
06730		Tactical Training Facility	1	Bldg (New)	No Funding Source	General Gov't	0	300	300	300	300	1,200
Department Subtotal					159,737	681,009	2,007,852	2,020,608	2,127,774	6,996,980		
Public Library												
06274		Fairfield Area Library Replacement	1	Bldg (New)	No Funding Source	Fairfield	0	0	2,034,293	2,034,293	2,034,293	6,102,879
09998		Tuckahoe Library Renew/Repurpose	1	Bldg Impr	No Funding Source	Tuckahoe	0	0	0	75,000	75,000	
09999		Twin Hickory Library Renew/Repurpose	2	Bldg Impr	No Funding Source	Three Chopt	0	0	0	30,000	30,000	
Department Subtotal					0	0	2,034,293	2,034,293	2,139,293	6,207,879		
Public Utilities - Landfill												
08173		Springfield Public Use Area Shed Replacement	1	Landfill	Landfill Revenue	Three Chopt	0	0	0	0	0	
Department Subtotal					0	0	0	0	0	0		
Public Works - Drainage												
00678		Tuckahoe Park, Phase 2	1	Drainage	No Funding Source	Three Chopt	0	0	0	0	0	
06051		Joycelyn Court/Shewalt Drive Drainage	2	Drainage	No Funding Source	Fairfield	0	0	0	0	0	
05013		Lawndale Farms Drainage	3	Drainage	No Funding Source	Varina	0	0	0	0	0	
06037		Avalon Drive Drainage	4	Drainage	No Funding Source	Tuckahoe	0	0	0	0	0	
06846		Lakeside Drainage Area Study	5	Drainage	No Funding Source	Brookland	0	0	0	0	0	
06009		Linda Road Drainage	1	Drainage	No Funding Source	Varina	0	0	0	0	0	
06589		Oak Hill Lane Drainage	2	Drainage	No Funding Source	Fairfield	0	0	0	0	0	
06476		Gaylord Road Drainage	3	Drainage	No Funding Source	Three Chopt	0	0	0	0	0	
06020		Falmouth/Tacoma Street Drainage Study	4	Drainage	No Funding Source	Brookland	0	0	0	0	0	
06004		Rolando Drive Drainage	5	Drainage	No Funding Source	Tuckahoe	0	0	0	0	0	
06006		Huntsman Road Drainage Channel	1	Drainage	No Funding Source	Varina	0	0	0	0	0	
06013		Homeview Drive Design	2	Drainage	No Funding Source	Three Chopt	0	0	0	0	0	
06588		St. Claire Lane Drainage	3	Drainage	No Funding Source	Fairfield	0	0	0	0	0	
06000		Beverly Drive/Dinwiddie Avenue Drainage	4	Drainage	No Funding Source	Tuckahoe	0	0	0	0	0	
06053		Thorp's Branch	5	Drainage	No Funding Source	Brookland	0	0	0	0	0	
06010		Henderson Road Drainage	1	Drainage	No Funding Source	Brookland	0	0	0	0	0	
06076		Monterey Avenue Drainage	2	Drainage	No Funding Source	Varina	0	0	0	0	0	
06057		Central Gardens Drainage	3	Drainage	No Funding Source	Fairfield	0	0	0	0	0	
06073		Georges Branch Channel	4	Drainage	No Funding Source	Tuckahoe	0	0	0	0	0	
06002		Barribee Lane Drainage	5	Drainage	No Funding Source	Three Chopt	0	0	0	0	0	
Department Subtotal					0	0	0	0	0	0		
Public Works - Roadway												
00611		Sadler Road Improvement Project	1	Roadway	Federal Grant	Three Chopt	0	0	0	0	0	
00499		General Road Construction	2	Roadway	General Fund - Public Works	Countywide	0	0	0	0	0	
06837		Countywide Pedestrian Improvements	3	Roadway	No Funding Source	Countywide	0	0	0	0	0	
07043		Woodman Road Extension	4	Roadway	No Funding Source	B, F	0	0	0	0	0	
08167		Scott Road Engineering Feasibility Study	5	Roadway	No Funding Source	Fairfield	0	0	0	0	0	
08163		Countywide Engineering Feasibility Studies	6	Roadway	No Funding Source	Countywide	0	0	0	0	0	
Department Subtotal					0	0	0	0	0	0		
Public Works - Stormwater												
07046		Chesapeake Bay TMDL/MS4 Compliance	1	Stormwater	General Fund	Countywide	0	0	0	0	0	
Department Subtotal					0	0	0	0	0	0		

**Capital Improvement Program
Fiscal Year 2016-17 through FY2020-21
Fund 21 - Capital Projects Fund
Associated Operating Cost**

Project	Priority	Project Type	Source	District	Request FY16-17	Request FY17-18	Request FY18-19	Request FY19-20	Request FY20-21	Total Five Year
Recreation										
06194 Facility Rehabilitation	1	Site Impr	General Fund	Countywide	0	0	0	0	0	0
06726 Cheswick Park	2	Site Impr	No Funding Source	Three Chopt	0	0	0	0	0	0
06219 Greenwood Park	3	Park	General Fund	Brookland	0	667,953	667,953	667,953	667,953	2,671,812
06235 Highland Springs Recreation Area	1	Site Impr	No Funding Source	Varina	0	0	0	0	0	0
06200 Dorey Park	2	Site Impr	No Funding Source	Varina	0	0	187,132	187,132	187,132	561,396
06735 Taylor Park	1	Park	No Funding Source	Varina	0	0	0	616,955	616,955	1,233,910
06435 Tuckahoe Park	2	Site Impr	No Funding Source	Tuckahoe	0	0	0	188,226	188,226	376,452
06238 Three Lakes Nature Center Park	3	Site Impr	No Funding Source	Fairfield	0	0	0	0	0	0
06253 Laurel Recreation Area	1	Site Impr	No Funding Source	Brookland	0	0	0	0	228,990	228,990
06336 Glen Lea Recreation/Vawter Street Park	2	Site Impr	No Funding Source	Fairfield	0	0	0	0	0	0
00509 Pouncey Tract Park	1	Site Impr	No Funding Source	Three Chopt	0	0	0	0	0	0
06229 Allen's Branch	2	Park	No Funding Source	Three Chopt	0	0	0	0	0	0
Department Subtotal					0	667,953	855,085	1,660,266	1,889,256	5,072,560
Sheriff										
07016 Body Scanner	1	Bldg Impr	No Funding Source	General Gov't	0	0	0	0	0	0
06854 Jail East and West Kitchen Improvements	2	Bldg Impr	No Funding Source	General Gov't	0	0	0	0	0	0
08166 Jail East Sallyport Gates and Hardware	3	Bldg Impr	No Funding Source	General Gov't	0	0	0	0	0	0
01112 Jail East Special Housing Unit	1	Bldg (New)	No Funding Source	General Gov't	0	0	0	2,249,639	2,249,639	4,499,278
01111 Sheriff's Office Relocation	1	Bldg (New)	No Funding Source	General Gov't	0	0	0	0	0	0
06386 Female Housing and Alternate Sentencing Renc	1	Bldg Impr	No Funding Source	General Gov't	0	0	0	0	0	0
Department Subtotal					0	0	0	2,249,639	2,249,639	4,499,278
Grand Total - Capital Projects Fund					159,737	1,778,469	6,526,150	10,574,535	13,755,025	32,793,916