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 FY2019-20 through FY2023-24. 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. In an effort to ensure that the County's infrastructure is meeting the service delivery needs of the residents, the Board of Supervisors, in consultation with the Henrico County School Board, presented a plan to fund $419.8 million of projects utilizing General Obligation (G.O.) Bonds. These projects were approved by County voters in the November 2016 election and are considered the highest priority projects. Funding for these projects began in FY2017-18 and will traverse a six-year period (through FY2022-23). With the approval of the bond referendum, County residents affirmed these projects are important to the quality of life in the County and are considered the highest priority projects.

Routine maintenance associated with both Education and General Government facilities is addressed as a means of ensuring County infrastructure does not deteriorate. Other projects given high priority are the ones vital to the economic growth of the County including infrastructure improvements associated with water and sewer transmission. With the approval of the Bond Referendum, many of the County's needs will be met. However, a significant number of projects submitted in the FY2019-20 through FY2023-24 CIP do not have an identified funding source at this time.

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 FY2019-20 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 two major sources: long-term borrowing and 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 FY2019-20 CIP includes the Education Meals Tax revenue which was approved by the voters in November 2013. A total of $9.0 million associated with this revenue

has been dedicated to various school maintenance and rehabilitation projects. Meals Tax revenue, which is dedicated to Henrico County Public Schools, also provides a resource to fund on-going bond referendum projects. Other sources of financing for the CIP can include State Construction grants, State Lottery funds, State Transportation funds, and Enterprise Fund resources. 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 FY2019-20 through FY2023-24 CIP requests of $1,453,199,498 represents an increase of $242,023,305 from the current FY2018-19 through FY2022-23 CIP of $1,211,176,193. These needs are put forward by Departments and prioritized by the Departments over the five-year period. The proposed Capital Budget for FY2019-20 funds $322,677,800 in the first year of the CIP.

The revenue sources proposed for the FY2019-20 Capital budget are as follows:

Revenue Sources:	**Proposed FY2019-20**
Capital Projects Fund:	
General Fund Operating Budget Transfers:	
General Fund - Designated Fund Balance	$ 10,000,000
General Fund - Designated Capital Reserve	14,055,000
General Fund - Education Meals Tax Revenue	9,000,000
General Fund - Education Meals Tax Reserve	26,345,233
General Fund - Assigned Fund Balance - Land Reserve	2,987,015
General Fund - Hotel/Motel Tax Reimb - Tourism Reserve	2,000,000
General Fund Balance - Stormwater Dedication	2,348,000
Motor Vehicle License Fee Revenue - Public Works	1,500,000
Subtotal - General Fund Operating Budget Transfers:	$ 58,235,248
General Obligation Bonds - Education - 2016	$ 112,000,000
General Obligation Bonds - General Government - 2016	$ 22,200,000
Bond Premium	$ 25,000,000
VPSA	$ 13,667,752
Interest Earnings	$ 2,000,000
Subtotal - Capital Projects Fund	$ 243,103,000
Vehicle Replacement Fund:	
General Fund Operating Budget Transfers:	
General Fund Revenues	$ 8,924,800
General Fund - Undesignated Fund Balance	1,000,000
Subtotal - Vehicle Replacement Fund	$ 9,924,800
Enterprise Fund - Public Utilities:	
Water and Sewer Revenues	$ 51,150,000
Revenue Bonds	8,500,000
Subtotal - Enterprise Fund - Public Utilities	$ 59,650,000
Total Capital Budget Revenues	$ 322,677,800

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.

FIRST 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 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
FY2019-20

Project Number	Project Name		Proposed FY2019-20
	Capital Projects Fund		
General Fund			
00518	Roof Replacements - Education	$	500,000
00527	Mechanical Improvements - Education		2,000,000
70008	Tucker HS Construction		2,987,015
	Subtotal - Education	$	5,487,015
00572	Mechanical Improvements	$	1,000,000
00425	Roof Replacement and Rehabilitation		1,000,000
00423	Pavement Rehabilitation		500,000
06477	Small Project Improvements and Renovations		300,000
01198	Energy Management		200,000
08767	County Buildings Restroom Refresh		650,000
	Subtotal - General Services	$	3,650,000
06481	Information Technology Projects	$	1,500,000
	Subtotal - Information Technology	$	1,500,000
00429	Geographic Information System	$	150,000
	Subtotal - Information Technology - GIS	$	150,000
08779	Henrico Aquatics Center	$	2,000,000
	Subtotal - Non-Departmental	$	2,000,000
08350	Evidence Storage Facility	$	4,500,000
08750	Police Range Classroom Addition		1,500,000
	Subtotal - Police	$	6,000,000
07043	Woodman Road Extension	$	1,810,000
06604	Oakley's Lane		5,195,000
06837	Countywide Pedestrian Improvements		2,500,000
	Subtotal - Public Works - Roadway	$	9,505,000
07046	Chesapeake Bay TMDL/MS4 Compliance	$	2,348,000
	Subtotal - Public Works - Stormwater	$	2,348,000
06194	Facility Rehabilitation	$	750,000
	Subtotal - Recreation and Parks	$	750,000
	Subtotal - General Fund	$	31,390,015
General Fund Revenue - Education Meals Tax			
70008	Tucker HS Construction	$	9,000,000
	Subtotal - General Fund Revenue - Education Meals Tax	$	9,000,000

County of Henrico, Virginia
Proposed Capital Budget
FY2019-20

Project Number	Project Name		Proposed FY2019-20
	Capital Projects Fund (Continued)		
General Fund Revenue - Education Meals Tax Reserve			
70011	Highland Springs HS Construction	$	26,345,233
	Subtotal - General Fund Revenue - Education Meals Tax Reserve	$	26,345,233
General Fund Revenue - Public Works (Motor Vehicle License Fee)			
00499	General Road Construction	$	1,000,000
08163	Countywide Engineering Feasibility Study		500,000
	Subtotal - General Fund Revenue - Public Works	$	1,500,000
G.O. Bonds - Education - 2016			
70008	Tucker HS Construction	$	45,000,000
70009	Brookland Area ES Planning & Construction		15,000,000
70010	Glen Allen HS ACE Center		10,000,000
70011	Highland Springs HS Construction		42,000,000
	Subtotal - G.O. Bonds - Education - 2016	$	112,000,000
G.O. Bonds - General Government - 2016			
13002	Firehouse #20 - Staples Mill	$	8,000,000
	Subtotal - Fire	$	8,000,000
23002	Glover Park	$	10,000,000
23003	Dorey Park		4,200,000
	Subtotal - Recreation and Parks	$	14,200,000
	Subtotal - G.O. Bonds - General Government - 2016	$	22,200,000
Bond Premium			
70008	Tucker HS Construction	$	10,000,000
70011	Highland Springs HS Construction		15,000,000
	Subtotal - Bond Premium	$	25,000,000
VPSA			
70008	Tucker HS Construction	$	4,012,985
70011	Highland Springs HS Construction		9,654,767
	Subtotal - VPSA	$	13,667,752
Interest Earnings			
70011	Highland Springs HS Construction	$	2,000,000
	Subtotal - Interest Earnings	$	2,000,000
	Total - Capital Projects Fund	**$**	**243,103,000**

County of Henrico, Virginia
Proposed Capital Budget
FY2019-20

Project Number	Project Name		Proposed FY2019-20
	Vehicle Replacement Fund		
General Fund			
06690	School Bus Replacement Plan	$	4,000,000
	Subtotal - Education	$	4,000,000
06692	Fire Apparatus Replacement Program	$	3,300,000
	Subtotal - Fire	$	3,300,000
06691	Police Vehicle Replacement Program	$	2,624,800
	Subtotal - Police	$	2,624,800
	Total - Vehicle Replacement Fund	**$**	**9,924,800**
	Enterprise Fund - Public Utilities		
Other Local Revenue			
00782	New Sewer Connections	$	250,000
00772	Sewer Line Extensions		500,000
00732	Sewer Line Rehabilitation		5,000,000
00743	Sewer Pump Station Improvements		1,500,000
00737	Sewer Relocation, Adjustments & Crossings		200,000
00725	Plan Review and Inspection		2,000,000
06492	Roof Replacement		50,000
08172	Water Reclamation Facility Improvements		30,500,000
00735	Water Reclamation Facility Expansion		8,000,000
06449	White Oak SPS Improvements		3,200,000
06450	White Oak Sewer Pump Station Force Main		1,300,000
06157	Almond Creek Sewer Pump Station Replacement		1,000,000
	Subtotal - Other Local Revenue	$	53,500,000
Revenue Bonds			
01076	Strawberry Hill Basin Sewer Rehabilitation	$	8,500,000
	Subtotal - Revenue Bonds	$	8,500,000
	Subtotal - Sewer	$	62,000,000

County of Henrico, Virginia
Proposed Capital Budget
FY2019-20

Project Number	Project Name		Proposed FY2019-20
	Enterprise Fund - Public Utilities (Continued)		
Other Local Revenue			
00771	New Water Connections	$	150,000
00770	Water Line Extensions		300,000
00768	Water Line Rehabilitation		4,000,000
00769	Water Pumping Station Improvements		500,000
00780	Water Meters		900,000
00767	Water Relocation, Adjustments & Crossings		300,000
08171	Water Treatment Facility Improvements		300,000
08162	Woodman Road Water Line		1,200,000
	Subtotal - Water	$	7,650,000
	Total - Enterprise Fund - Public Utilities	**$**	**69,650,000**
TOTAL PROPOSED CAPITAL BUDGET FOR FY2019-20		**$**	**322,677,800**

Capital Improvement Program Summary

Fiscal Year 2019-20 through Fiscal Year 2023-24

By Department	Proposed FY2019-20	Requested FY2019-20	Requested FY2020-21	Requested FY2021-22	Requested FY2022-23	Requested FY2023-24	Total Requested
Capital Projects Fund							
Education	193,500,000	186,670,000	39,150,000	30,500,000	163,652,267	233,611,403	653,583,670
Fire	8,000,000	8,000,000	2,374,684	13,333,312	10,863,966	33,321,131	67,893,093
General Services	3,650,000	7,933,571	9,426,198	31,707,117	42,593,544	24,330,362	115,990,792
Information Technology	1,500,000	1,500,000	1,500,000	1,500,000	1,000,000	2,500,000	8,000,000
Information Technology - GIS	150,000	150,000	150,000	150,000	150,000	150,000	750,000
Mental Health	0	12,000,000	13,626,936	0	0	0	25,626,936
Non-Departmental	2,000,000	0	0	0	0	0	0
Police	6,000,000	15,468,889	771,135	6,158,525	0	0	22,398,549
Public Library	0	0	0	1,131,113	10,573,512	8,268,307	19,972,932
Public Works - Drainage	0	0	4,193,068	11,448,701	28,050,441	2,938,450	46,630,660
Public Works - Roadway	11,005,000	11,005,000	12,900,000	13,000,000	5,200,000	15,030,000	57,135,000
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	14,950,000	17,125,463	15,776,091	23,913,940	23,214,647	3,508,129	83,538,270
Sheriff	0	295,630	304,240	680,384	3,974,387	31,851,238	37,105,879
Total	**243,103,000**	**262,496,553**	**102,520,352**	**135,871,092**	**291,620,764**	**357,857,020**	**1,150,365,781**
Vehicle Replacement Reserve							
Education	4,000,000	0	0	0	0	0	0
Fire	3,300,000	0	0	0	0	0	0
Police	2,624,800	0	0	0	0	0	0
Total	**9,924,800**	**0**	**0**	**0**	**0**	**0**	**0**
Enterprise Fund - Utilities							
Public Utilities - Sewer	62,000,000	61,000,000	18,900,000	80,000,000	46,400,000	46,300,000	252,600,000
Public Utilities - Water	7,650,000	7,650,000	7,750,000	7,850,000	9,500,000	14,050,000	46,800,000
Total	**69,650,000**	**68,650,000**	**26,650,000**	**87,850,000**	**55,900,000**	**60,350,000**	**299,400,000**
Enterprise Fund							
Recreation	0	1,602,878	0	521,876	0	1,308,963	3,433,717
Total	**0**	**1,602,878**	**0**	**521,876**	**0**	**1,308,963**	**3,433,717**
Grand Total	**322,677,800**	**332,749,431**	**129,170,352**	**224,242,968**	**347,520,764**	**419,515,983**	**1,453,199,498**

By Revenue Source	Proposed FY2019-20	Requested FY2019-20	Requested FY2020-21	Requested FY2021-22	Requested FY2022-23	Requested FY2023-24	Total Requested
Capital Projects Fund							
G.O. Bonds - Education - 2016	112,000,000	25,000,000	27,000,000	19,000,000	0	0	71,000,000
G.O. Bonds - Education - 2016/Other	0	150,000,000	0	0	0	0	150,000,000
G.O. Bonds - General Gov't - 2016	22,200,000	22,200,000	14,000,000	31,700,000	26,300,000	0	94,200,000
General Fund	31,390,015	33,687,876	23,116,243	16,890,993	17,379,234	20,495,365	111,569,711
General Fund - Education Meals Tax	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	45,000,000
General Fund - Education Meals Tax Reserve	26,345,233	0	0	0	0	0	0
General Fund - Public Works	1,500,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Bond Premium	25,000,000	0	0	0	0	0	0
VPSA	13,667,752	0	0	0	0	0	0
Interest Earnings	2,000,000	0	0	0	0	0	0
No Funding Source	0	21,608,677	28,404,109	58,280,099	237,941,530	327,361,655	673,596,070
Total	**243,103,000**	**262,496,553**	**102,520,352**	**135,871,092**	**291,620,764**	**357,857,020**	**1,150,365,781**
Vehicle Replacement Reserve							
General Fund	9,924,800	0	0	0	0	0	0
Total	**9,924,800**	**0**	**0**	**0**	**0**	**0**	**0**
Enterprise Fund - Utilities							
Enterprise Fund	61,150,000	60,150,000	17,150,000	61,850,000	41,900,000	47,350,000	228,400,000
Revenue Bonds	8,500,000	8,500,000	9,500,000	26,000,000	14,000,000	13,000,000	71,000,000
Total	**69,650,000**	**68,650,000**	**26,650,000**	**87,850,000**	**55,900,000**	**60,350,000**	**299,400,000**
Enterprise Fund							
Enterprise Fund	0	1,602,878	0	521,876	0	1,308,963	3,433,717
Total	**0**	**1,602,878**	**0**	**521,876**	**0**	**1,308,963**	**3,433,717**
Grand Total	**322,677,800**	**332,749,431**	**129,170,352**	**224,242,968**	**347,520,764**	**419,515,983**	**1,453,199,498**

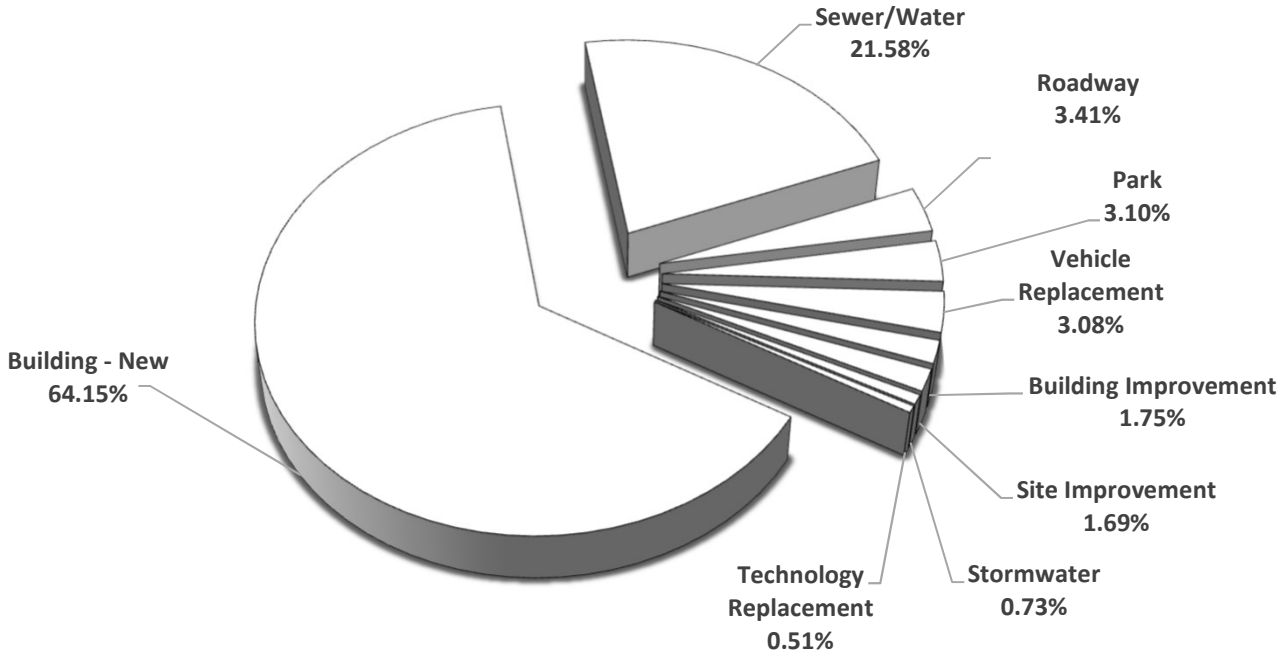
Capital Improvement Program Summary

Fiscal Year 2019-20 through Fiscal Year 2023-24

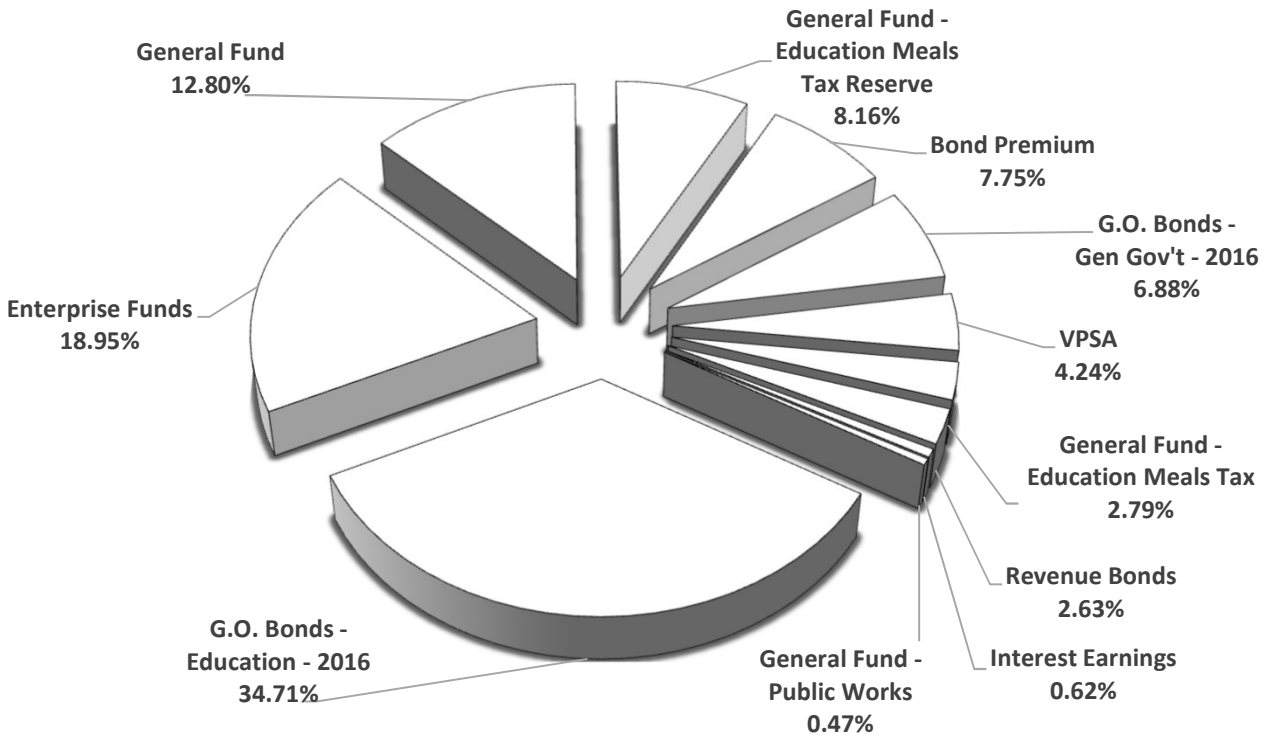
By Project Type	Proposed FY2019-20	Requested FY2019-20	Requested FY2020-21	Requested FY2021-22	Requested FY2022-23	Requested FY2023-24	Total Requested
Capital Projects Fund							
Building (New)	207,000,000	210,734,881	32,294,142	37,872,054	48,517,182	76,455,995	405,874,254
Building Addition	0	0	13,626,936	0	8,492,693	0	22,119,629
Building Improvement	5,650,000	18,427,272	18,093,015	41,253,747	176,831,003	253,811,796	508,416,833
Drainage	0	0	4,193,068	11,448,701	28,050,441	2,938,450	46,630,660
Feasibility/Programming Study	0	170,000	650,000	0	0	0	820,000
Park	10,000,000	10,000,000	5,000,000	19,000,000	0	0	34,000,000
Roadway	11,005,000	11,005,000	12,900,000	13,000,000	5,200,000	15,030,000	57,135,000
Site Improvement	5,450,000	8,161,400	11,765,191	5,944,890	21,031,445	4,622,779	51,525,705
Stormwater	2,348,000	2,348,000	2,348,000	2,348,000	2,348,000	2,348,000	11,740,000
Technology Improvement	1,650,000	1,650,000	1,650,000	5,003,700	1,150,000	2,650,000	12,103,700
Total	**243,103,000**	**262,496,553**	**102,520,352**	**135,871,092**	**291,620,764**	**357,857,020**	**1,150,365,781**
Vehicle Replacement Reserve							
Vehicle Replacement Reserve	9,924,800	0	0	0	0	0	0
Total	**9,924,800**	**0**	**0**	**0**	**0**	**0**	**0**
Enterprise Fund - Utilities							
Sewer	62,000,000	61,000,000	18,900,000	80,000,000	46,400,000	46,300,000	252,600,000
Water	7,650,000	7,650,000	7,750,000	7,850,000	9,500,000	14,050,000	46,800,000
Total	**69,650,000**	**68,650,000**	**26,650,000**	**87,850,000**	**55,900,000**	**60,350,000**	**299,400,000**
Enterprise Fund							
Golf Course	0	1,602,878	0	521,876	0	1,308,963	3,433,717
Total	**0**	**1,602,878**	**0**	**521,876**	**0**	**1,308,963**	**3,433,717**
Grand Total	**322,677,800**	**332,749,431**	**129,170,352**	**224,242,968**	**347,520,764**	**419,515,983**	**1,453,199,498**

Proposed FY2019-20 Capital Budget
$322,677,800

By Project Type



By Funding Source



CAPITAL PROJECTS BY DEPARTMENT
FY2019-20

EDUCATION **$ 197,500,000**

Projects that will be funded through the issuance of 2016 General Obligation (G.O.) Bonds, which County voters approved in November 2016, totals $112.0 million for Education and includes funding towards the replacement of Highland Springs HS - $42.0 million and the replacement of Tucker HS - $45.0 million. In addition, the 2016 G.O. Bond funding total for Education also includes $15.0 million to support the new Brookland Area ES School and $10.0 million for the new Glen Allen HS ACE Center. Bond premium funding totals $25.0 million and covers partial funding of Highland Springs HS - $15.0 million and Tucker HS - $10.0 million. VPSA funding totals $13,667,752 and covers partial funding of Highland Springs HS - $9,654,767 and Tucker HS - $4,012,985. Education Meals Tax reserve funding of $26,345,233 is included for Highland Springs HS and Education Meals Tax revenue of $9,000,000 has been designated for Tucker HS. Additionally, interest earnings of $2,000,000 is included for Highland Springs HS and General Fund land reserve funding of $2,987,015 will be allocated to the Tucker HS project. A total of $2.5 million of General Fund resources will support ongoing projects related to school roof replacements and mechanical systems improvements. In addition, General Fund revenue of $4.0 million is forecasted within the Vehicle Replacement Fund for the School Bus Replacement Plan. Outside of these appropriations, projected savings of $20.0 million from previously approved bond projects as well as Meals Tax projects will cover additional costs for the replacement of Tucker HS - $14.0 million and the new Brookland Area ES - $6.0 million.

FIRE **$ 11,300,000**

The 2016 General Obligation (G.O.) Bonds will fund $8.0 million for the new Staples Mill Firehouse. Funding of $3.3 million is forecasted within the Vehicle Replacement Fund for the Fire Apparatus Replacement Program, which includes General Fund revenues of $2.3 million and General Fund balance of $1.0 million.

GENERAL SERVICES **$ 3,650,000**

General Fund resources of $2.5 million are forecasted to fund ongoing roof, mechanical, and pavement rehabilitation projects. In addition, a total of $1,150,000 in General Fund resources will provide funding for the Small Project Improvements and Renovations project - $300,000, the Energy Management project - $200,000, and the County Buildings Restroom Refresh project - $650,000.

INFORMATION TECHNOLOGY **$ 1,500,000**

General Fund resources of $1.5 million will support various information technology hardware and software upgrades.

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.

NON-DEPARTMENTAL **$ 2,000,000**

General Fund resources of $2.0 million is forecasted for remaining costs associated with the Henrico Aquatics Center.

POLICE **$ 8,624,800**

A total of $6.0 million in General Fund resources will provide funding for construction of the Evidence Storage Facility - $4.5 million and the Police Range Classroom Addition project - $1.5 million. General Fund revenues of $2,624,800 are forecasted within the Vehicle Replacement Fund for the Police Vehicle Replacement Program.

PUBLIC WORKS - ROADWAY **$ 11,005,000**

General Fund resources of $9,505,000 are forecasted to fund the Woodman Road Extension project - $1,810,000, Oakley's Lane - $5,195,000, and ongoing Countywide Pedestrian Improvement projects totaling $2,500,000. Public Works' Motor Vehicle License Fee revenue of $1.5 million has been designated for ongoing general road construction projects totaling $1.0 million as well as the Countywide Engineering Feasibility Studies project totaling $500,000.

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

Dedicated General Fund resources of $2,348,000 are included for the 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 **$ 14,950,000**

The 2016 General Obligation (G.O.) Bonds totals $14.2 million for Recreation and Parks and includes the remaining funding of $10.0 million for Glover Park and $4.2 million for Dorey Park. In addition, General Fund resources of $750,000 will provide for facility rehabilitation projects at various County parks.

PUBLIC UTILITIES - SEWER **$ 62,000,000**

Projects that will be funded by revenues from the use of sewer services include $30.5 million for the Water Reclamation Facility improvements, $8.0 million for the Water Reclamation Facility expansion, $3.2 million for the White Oak SPS improvements, $1.3 million for the White Oak Sewer Pump Station Force Main project, and $1.0 million for the Almond Creek Sewer Pump Station Replacement. Funding of $9.5 million 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. Revenue bond financing of $8.5 million has been allocated for the Strawberry Hill Basin Sewer Rehabilitation project.

PUBLIC UTILITIES - WATER **$ 7,650,000**

Projects that will be funded by revenues from the use of water services include $1.2 million for the Woodman Road Water Line project and $300,000 for the Water Treatment Facility Improvements project. Funding of $6,150,000 is also included for new water connections, water line extensions, water line rehabilitation, water pumping station improvements, water meters, and various water relocations, adjustments, and crossings projects.

Capital Improvement Program FY2019-20 through FY2023-24

Capital Projects Fund - *Department Requests by Fiscal Year and Priority Number*

Project		Priority	Project Type	Source	District	Proposed FY19-20	Request FY19-20	Request FY20-21	Request FY21-22	Request FY22-23	Request FY23-24	Total Five Year
Education												
00518	Roof Replacements		Building Improvement	General Fund	Countywide	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
00527	Mechanical Improvements		Building Improvement	General Fund	Countywide	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
06899	Education Meals Tax Project Reserve		Building Improvement	General Fund - Education Meals Tax	Countywide	0	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	45,000,000
70008	Tucker HS Construction	1	Building (New)	G.O. Bonds - Education - 2016/Other	Three Chopt	0	70,000,000	0	0	0	0	70,000,000
70008	Tucker HS Construction	1	Building (New)	G.O. Bonds - Education - 2016	Three Chopt	45,000,000	0	0	0	0	0	0
70008	Tucker HS Construction	1	Building (New)	Bond Premium	Three Chopt	10,000,000	0	0	0	0	0	0
70008	Tucker HS Construction	1	Building (New)	VPSA	Three Chopt	4,012,985	0	0	0	0	0	0
70008	Tucker HS Construction	1	Building (New)	General Fund - Education Meals Tax	Three Chopt	9,000,000	0	0	0	0	0	0
70008	Tucker HS Construction	1	Building (New)	General Fund	Three Chopt	2,987,015	0	0	0	0	0	0
70009	Brookland Area ES Planning & Construction	2	Building (New)	G.O. Bonds - Education - 2016	Brookland	15,000,000	15,000,000	0	0	0	0	15,000,000
70010	Glen Allen HS ACE Center	3	Building (New)	G.O. Bonds - Education - 2016	Brookland	10,000,000	10,000,000	27,000,000	0	0	0	37,000,000
70011	Highland Springs HS Construction	4	Building (New)	G.O. Bonds - Education - 2016/Other	Varina	0	80,000,000	0	0	0	0	80,000,000
70011	Highland Springs HS Construction	4	Building (New)	G.O. Bonds - Education - 2016	Varina	42,000,000	0	0	0	0	0	0
70011	Highland Springs HS Construction	4	Building (New)	Bond Premium	Varina	15,000,000	0	0	0	0	0	0
70011	Highland Springs HS Construction	4	Building (New)	VPSA	Varina	9,654,767	0	0	0	0	0	0
70011	Highland Springs HS Construction	4	Building (New)	General Fund - Education Meals Tax Reserve	Varina	26,345,233	0	0	0	0	0	0
70011	Highland Springs HS Construction	4	Building (New)	Interest Earnings	Varina	2,000,000	0	0	0	0	0	0
08778	Ancillary Facilities Planning Study	5	Feasibility/Programming Study	No Funding Source	Countywide	0	170,000	0	0	0	0	170,000
08777	Capital Facility Pre-Planning Study	1	Feasibility/Programming Study	No Funding Source	Countywide	0	0	650,000	0	0	0	650,000
70012	Adams ES Renovation	1	Building Improvement	G.O. Bonds - Education - 2016	Fairfield	0	0	0	19,000,000	0	0	19,000,000
08604	Jackson Davis ES - 8 Classroom Addition	1	Building Addition	No Funding Source	Three Chopt	0	0	0	0	8,492,693	0	8,492,693
06741	Virginia Randolph Complex Renovation	2	Building Improvement	No Funding Source	Fairfield	0	0	0	0	31,571,210	0	31,571,210
06742	Central Gardens Renovation	3	Building Improvement	No Funding Source	Fairfield	0	0	0	0	14,495,393	0	14,495,393
06672	Jackson Davis ES Renovation	4	Building Improvement	No Funding Source	Three Chopt	0	0	0	0	16,737,073	0	16,737,073
06673	Longan ES Renovation	5	Building Improvement	No Funding Source	Brookland	0	0	0	0	17,318,377	0	17,318,377
06743	Highland Springs ES Renovation	6	Building Improvement	No Funding Source	Varina	0	0	0	0	20,827,086	0	20,827,086
06744	Holladay ES Renovation	7	Building Improvement	No Funding Source	Brookland	0	0	0	0	23,298,794	0	23,298,794
06746	Carver ES Renovation	8	Building Improvement	No Funding Source	Tuckahoe	0	0	0	0	19,411,641	0	19,411,641
08776	Highland Springs HS ACE Center Renov	1	Building Improvement	No Funding Source	Varina	0	0	0	0	0	22,934,456	22,934,456
08772	Dumbarton ES Renovation	2	Building Improvement	No Funding Source	Brookland	0	0	0	0	0	23,978,048	23,978,048
08773	Quioccasin MS Renovation	3	Building Improvement	No Funding Source	Tuckahoe	0	0	0	0	0	50,036,741	50,036,741
08774	Three Chopt ES Renovation	4	Building Improvement	No Funding Source	Three Chopt	0	0	0	0	0	14,714,410	14,714,410
08775	Hermitage HS & ACE Renovation	5	Building Improvement	No Funding Source	Brookland	0	0	0	0	0	110,447,748	110,447,748
				Department Subtotal		**193,500,000**	**186,670,000**	**39,150,000**	**30,500,000**	**163,652,267**	**233,611,403**	**653,583,670**
Fire												
13002	Firehouse #20 - Staples Mill	1	Building (New)	G.O. Bonds - General Gov't - 2016	Brookland	8,000,000	8,000,000	0	0	0	0	8,000,000
06177	Firehouse #6 Relocation	1	Building (New)	No Funding Source	Varina	0	0	2,374,684	8,379,612	0	0	10,754,296
13003	Firehouse #23 - Eastgate/Newbridge	1	Building (New)	G.O. Bonds - General Gov't - 2016	Varina	0	0	0	1,600,000	8,000,000	0	9,600,000
08769	Opticom	2	Technology Improvement	No Funding Source	Countywide	0	0	0	3,353,700	0	0	3,353,700
06366	Firehouse #1 Relocation	1	Building (New)	No Funding Source	Fairfield	0	0	0	0	2,863,966	9,591,847	12,455,813
06529	Firehouse #11 Relocation	1	Building (New)	No Funding Source	Fairfield	0	0	0	0	0	11,772,199	11,772,199
06519	Firehouse #4 Relocation	2	Building (New)	No Funding Source	Varina	0	0	0	0	0	11,957,085	11,957,085
				Department Subtotal		**8,000,000**	**8,000,000**	**2,374,684**	**13,333,312**	**10,863,966**	**33,321,131**	**67,893,093**
General Services												
00572	Mechanical Improvements	1	Building Improvement	General Fund	General Government	1,000,000	2,000,000	2,198,001	2,291,000	2,384,000	2,477,000	11,350,001
00425	Roof Replacement and Rehabilitation	2	Building Improvement	General Fund	General Government	1,000,000	1,220,605	982,755	919,180	1,192,989	782,936	5,098,465
00423	Pavement Rehabilitation	3	Site Improvement	General Fund	General Government	500,000	900,000	989,100	1,030,950	1,072,800	1,114,650	5,107,500
06477	Small Project Improvements and Renovations	4	Building Improvement	General Fund	General Government	300,000	500,000	500,000	500,000	500,000	500,000	2,500,000
01198	Energy Management	5	Building Improvement	General Fund	General Government	200,000	500,000	500,000	500,000	500,000	500,000	2,500,000
08563	Library HQ Streambank Restoration	6	Building Improvement	No Funding Source	General Government	0	555,442	0	0	0	0	555,442

Capital Improvement Program FY2019-20 through FY2023-24
Capital Projects Fund - *Department Requests by Fiscal Year and Priority Number*

Project		Priority	Project Type	Source	District	Proposed FY19-20	Request FY19-20	Request FY20-21	Request FY21-22	Request FY22-23	Request FY23-24	Total Five Year
01199	County Generator Program	7	Building Improvement	General Fund	General Government	0	900,000	989,099	1,030,949	1,072,800	1,114,650	5,107,498
08767	County Buildings Restroom Refresh	8	Building Improvement	General Fund	General Government	650,000	650,000	650,000	650,000	650,000	650,000	3,250,000
08768	Juvenile Courts Parking Lot Expansion	9	Site Improvement	No Funding Source	General Government	0	401,929	0	0	0	0	401,929
06096	HSB Main Lobby & Social Services Waiting Refr	10	Building Improvement	General Fund	General Government	0	305,595	0	0	0	0	305,595
00612	Administration Infill Building	1	Building (New)	No Funding Source	General Government	0	0	2,148,323	16,027,857	0	0	18,176,180
08562	Old Fairfield Library Renovation	2	Building Improvement	No Funding Source	General Government	0	0	269,560	2,194,984	0	0	2,464,544
00012	HSB Extension Office Demo. Kitchen	3	Building Improvement	No Funding Source	General Government	0	0	199,360	0	0	0	199,360
08560	Admin Building New Agencies Renovation	1	Building Improvement	No Funding Source	General Government	0	0	0	856,137	4,798,128	0	5,654,265
08599	Woodman Police & Fire Installation Shop	2	Building (New)	No Funding Source	General Government	0	0	0	1,133,689	7,505,602	0	8,639,291
06103	CAM East & Road Crew Building	3	Building (New)	No Funding Source	General Government	0	0	0	4,572,371	21,068,656	0	25,641,027
07036	East Government Center Swing Building	1	Building (New)	No Funding Source	General Government	0	0	0	0	1,848,569	11,283,626	13,132,195
08561	Eastern Government Center Renovations	1	Building Improvement	No Funding Source	General Government	0	0	0	0	0	5,907,500	5,907,500
				Department Subtotal		**3,650,000**	**7,933,571**	**9,426,198**	**31,707,117**	**42,593,544**	**24,330,362**	**115,990,792**
Information Technology												
06481	Information Technology Projects	1	Technology Improvement	General Fund	General Government	1,500,000	1,500,000	1,500,000	1,500,000	1,000,000	2,500,000	8,000,000
				Department Subtotal		**1,500,000**	**1,500,000**	**1,500,000**	**1,500,000**	**1,000,000**	**2,500,000**	**8,000,000**
Information Technology - GIS												
00429	Geographic Information System	1	Technology Improvement	General Fund	General Government	150,000	150,000	150,000	150,000	150,000	150,000	750,000
				Department Subtotal		**150,000**	**150,000**	**150,000**	**150,000**	**150,000**	**150,000**	**750,000**
Mental Health												
08605	Transitional Recovery Center	1	Building (New)	General Fund	General Government	0	12,000,000	0	0	0	0	12,000,000
06662	Woodman Road Expansion Construction	1	Building Addition	No Funding Source	General Government	0	0	13,626,936	0	0	0	13,626,936
				Department Subtotal		**0**	**12,000,000**	**13,626,936**	**0**	**0**	**0**	**25,626,936**
Non-Departmental												
08779	Henrico Aquatics Center	1	Building (New)	General Fund	General Government	2,000,000	0	0	0	0	0	0
				Department Subtotal		**2,000,000**	**0**	**0**	**0**	**0**	**0**	**0**
Police												
08350	Evidence Storage Facility	1	Building (New)	General Fund	General Government	4,500,000	4,729,384	0	0	0	0	4,729,384
08567	Police East Station	2	Building (New)	No Funding Source	General Government	0	8,051,784	0	0	0	0	8,051,784
08750	Police Range Classroom Addition	3	Building (New)	General Fund	General Government	1,500,000	2,687,721	0	0	0	0	2,687,721
08569	Police West Station	1	Building (New)	No Funding Source	General Government	0	0	771,135	6,158,525	0	0	6,929,660
				Department Subtotal		**6,000,000**	**15,468,889**	**771,135**	**6,158,525**	**0**	**0**	**22,398,549**
Public Library												
07034	Tuckahoe Library Renew/Repurpose	1	Building Improvement	No Funding Source	Tuckahoe	0	0	0	1,131,113	9,623,665	0	10,754,778
07033	Twin Hickory Library Renew/Repurpose	1	Building Improvement	No Funding Source	Three Chopt	0	0	0	0	949,847	8,268,307	9,218,154
				Department Subtotal		**0**	**0**	**0**	**1,131,113**	**10,573,512**	**8,268,307**	**19,972,932**
Public Works - Drainage												
06051	Joycelyn Court/Shewalt Drive Drainage	1	Drainage	No Funding Source	Fairfield	0	0	539,091	0	0	0	539,091
05013	Lawndale Farms Drainage	2	Drainage	No Funding Source	Varina	0	0	1,293,820	0	0	0	1,293,820
06037	Avalon Drive Drainage	3	Drainage	No Funding Source	Tuckahoe	0	0	1,078,182	0	0	0	1,078,182
06476	Gaylord Road Drainage	4	Drainage	No Funding Source	Three Chopt	0	0	1,152,593	0	0	0	1,152,593
06846	Lakeside Drainage Area Study	5	Drainage	No Funding Source	Brookland	0	0	129,382	0	0	0	129,382
06589	Oak Hill Lane Drainage	1	Drainage	No Funding Source	Fairfield	0	0	0	1,999,073	0	0	1,999,073
06020	Falmouth/Tacoma Street Drainage Study	2	Drainage	No Funding Source	Brookland	0	0	0	143,932	0	0	143,932
06004	Rolando Drive Drainage	3	Drainage	No Funding Source	Tuckahoe	0	0	0	2,243,940	0	0	2,243,940
06006	Huntsman Road Drainage Channel	4	Drainage	No Funding Source	Varina	0	0	0	5,076,380	0	0	5,076,380

Capital Improvement Program FY2019-20 through FY2023-24
Capital Projects Fund - *Department Requests by Fiscal Year and Priority Number*

Project		Priority	Project Type	Source	District	Proposed FY19-20	Request FY19-20	Request FY20-21	Request FY21-22	Request FY22-23	Request FY23-24	Total Five Year
06013	Homeview Drive Design	5	Drainage	No Funding Source	Three Chopt	0	0	0	1,985,376	0	0	1,985,376
06000	Beverly Drive/Dinwiddie Avenue Drainage	1	Drainage	No Funding Source	Tuckahoe	0	0	0	0	2,227,518	0	2,227,518
06053	Thorpes Branch	2	Drainage	No Funding Source	Brookland	0	0	0	0	11,019,307	0	11,019,307
06076	Monterey Avenue Drainage	3	Drainage	No Funding Source	Varina	0	0	0	0	997,401	0	997,401
06057	Central Gardens Drainage	4	Drainage	No Funding Source	Fairfield	0	0	0	0	3,517,156	0	3,517,156
06073	Georges Branch Channel	5	Drainage	No Funding Source	Tuckahoe	0	0	0	0	10,289,059	0	10,289,059
06010	Henderson Road Drainage	1	Drainage	No Funding Source	Brookland	0	0	0	0	0	761,601	761,601
06002	Barribee Lane Drainage	2	Drainage	No Funding Source	Three Chopt	0	0	0	0	0	2,176,849	2,176,849
				Department Subtotal		**0**	**0**	**4,193,068**	**11,448,701**	**28,050,441**	**2,938,450**	**46,630,660**
Public Works - Roadway												
07043	Woodman Road Extension	1	Roadway	General Fund	Brookland, Fairfield	1,810,000	1,810,000	0	0	0	0	1,810,000
06604	Oakley's Lane	2	Roadway	General Fund	Varina	5,195,000	5,195,000	0	0	0	0	5,195,000
00499	General Road Construction	3	Roadway	General Fund - Public Works	Countywide	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
06837	Countywide Pedestrian Improvements	4	Roadway	General Fund	Countywide	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	12,500,000
08163	Countywide Engineering Feasibility Study	5	Roadway	General Fund - Public Works	Countywide	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
28001	Richmond - Henrico Turnpike	1	Roadway	G.O. Bonds - General Gov't - 2016	Fairfield	0	0	5,000,000	9,000,000	0	0	14,000,000
08745	N. Gayton Road Interchange	2	Roadway	General Fund	Three Chopt	0	0	3,900,000	0	0	0	3,900,000
08558	Kain Road	1	Roadway	No Funding Source	Three Chopt	0	0	0	0	1,200,000	11,030,000	12,230,000
				Department Subtotal		**11,005,000**	**11,005,000**	**12,900,000**	**13,000,000**	**5,200,000**	**15,030,000**	**57,135,000**
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												
23002	Glover Park	1	Park	G.O. Bonds - General Gov't - 2016	Brookland	10,000,000	10,000,000	0	0	0	0	10,000,000
23003	Dorey Park	2	Site Improvement	G.O. Bonds - General Gov't - 2016	Varina	4,200,000	4,200,000	0	0	0	0	4,200,000
06194	Facility Rehabilitation	3	Site Improvement	General Fund	Countywide	750,000	1,134,292	3,559,288	1,120,914	1,658,645	3,508,129	10,981,268
08355	Route 5 Visitor Center/Henrico Museum	4	Site Improvement	No Funding Source	Varina	0	1,525,179	0	0	0	0	1,525,179
06215	Meadow Farm Kitchen	5	Building (New)	No Funding Source	Brookland	0	265,992	0	0	0	0	265,992
23004	Deep Run Park	1	Site Improvement	G.O. Bonds - General Gov't - 2016	Three Chopt	0	0	4,000,000	0	0	0	4,000,000
23005	Taylor Park	2	Park	G.O. Bonds - General Gov't - 2016	Varina	0	0	5,000,000	14,000,000	0	0	19,000,000
06253	Laurel Recreation Area	3	Site Improvement	No Funding Source	Brookland	0	0	3,216,803	0	0	0	3,216,803
23006	Cheswick Park	1	Site Improvement	G.O. Bonds - General Gov't - 2016	Three Chopt	0	0	0	2,100,000	0	0	2,100,000
23007	Tuckahoe Creek Park	2	Park	G.O. Bonds - General Gov't - 2016	Tuckahoe	0	0	0	5,000,000	0	0	5,000,000
00509	Pouncey Tract Park	3	Site Improvement	No Funding Source	Three Chopt	0	0	0	1,693,026	0	0	1,693,026
23008	Three Lakes Nature Center Park	1	Site Improvement	G.O. Bonds - General Gov't - 2016	Fairfield	0	0	0	0	2,300,000	0	2,300,000
23009	Tuckahoe Park	2	Site Improvement	G.O. Bonds - General Gov't - 2016	Tuckahoe	0	0	0	0	16,000,000	0	16,000,000
06213	Western Maintenance Building	3	Building (New)	No Funding Source	General Government	0	0	0	0	3,256,002	0	3,256,002
				Department Subtotal		**14,950,000**	**17,125,463**	**15,776,091**	**23,913,940**	**23,214,647**	**3,508,129**	**83,538,270**
Sheriff												
08748	Jail West Booking Security Barriers	1	Building Improvement	No Funding Source	General Government	0	295,630	0	0	0	0	295,630
08749	Jail East & West IP Camera Upgrades	1	Building Improvement	No Funding Source	General Government	0	0	304,240	0	0	0	304,240
08565	Jail West Female Housing Expansion	1	Building Improvement	No Funding Source	General Government	0	0	0	69,727	0	0	69,727
08566	Jail West Kitchen Renovation	2	Building Improvement	No Funding Source	General Government	0	0	0	610,657	0	0	610,657
01112	Jail East Special Housing Unit	1	Building (New)	No Funding Source	General Government	0	0	0	0	3,974,387	31,851,238	35,825,625
				Department Subtotal		**0**	**295,630**	**304,240**	**680,384**	**3,974,387**	**31,851,238**	**37,105,879**
Grand Total - Capital Projects Fund						**243,103,000**	**262,496,553**	**102,520,352**	**135,871,092**	**291,620,764**	**357,857,020**	**1,150,365,781**

Capital Improvement Program FY2019-20 through FY2023-24

Enterprise Fund - *Public Utility Requests by Fiscal Year and Priority Number*

Project		Priority	Project Type	Source	District	Proposed FY19-20	Request FY19-20	Request FY20-21	Request FY21-22	Request FY22-23	Request FY23-24	Total Five Year
Public Utilities - Sewer												
00782	New Sewer Connections	1	Sewer	Enterprise Fund	Countywide	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
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	5,000,000	5,000,000	4,000,000	4,000,000	11,000,000	15,000,000	39,000,000
00743	Sewer Pump Station Improvements	4	Sewer	Enterprise Fund	Countywide	1,500,000	1,500,000	400,000	400,000	3,000,000	400,000	5,700,000
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	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
06492	Roof Replacement	7	Sewer	Enterprise Fund	Countywide	50,000	50,000	50,000	50,000	50,000	50,000	250,000
08172	Water Reclamation Facility Improvements	8	Sewer	Enterprise Fund	Varina	30,500,000	30,500,000	500,000	500,000	500,000	500,000	32,500,000
00735	Water Reclamation Facility Expansion	9	Sewer	Enterprise Fund	Varina	8,000,000	8,000,000	0	0	0	0	8,000,000
01076	Strawberry Hill Basin Sewer Rehab	10	Sewer	Revenue Bonds	B, F, T, TC	8,500,000	8,500,000	9,500,000	10,500,000	14,000,000	13,000,000	55,500,000
06449	White Oak SPS Improvements	11	Sewer	Enterprise Fund	Varina	3,200,000	3,200,000	0	0	0	0	3,200,000
06450	White Oak Sewer Pump Station Force Main	12	Sewer	Enterprise Fund	Varina	1,300,000	1,300,000	0	5,250,000	0	0	6,550,000
06838	Allens and Rooty Branch Force Main Upgrade	1	Sewer	Enterprise Fund	B, TC	0	0	1,500,000	0	7,150,000	0	8,650,000
06569	Upham Brook Storage Facilities	1	Sewer	Enterprise Fund	Fairfield	0	0	0	20,000,000	0	0	20,000,000
06152	Gambles Mill SPS FEB Modification	2	Sewer	Revenue Bonds	Tuckahoe	0	0	0	15,500,000	0	0	15,500,000
06131	Gambles Mill Basin Sewer Rehabilitation	3	Sewer	Enterprise Fund	Tuckahoe	0	0	0	1,150,000	7,750,000	3,500,000	12,400,000
06666	Horsepen Br Sew - Broad Street to Rte 33	4	Sewer	Enterprise Fund	Brookland	0	0	0	13,500,000	0	0	13,500,000
06667	Tuckahoe Creek Trunk Sewer Rehab	5	Sewer	Enterprise Fund	TC, T	0	0	0	5,000,000	0	0	5,000,000
07029	Gillies Creek SPS FEB	6	Sewer	Enterprise Fund	Varina	0	0	0	1,200,000	0	5,400,000	6,600,000
06157	Almond Creek Sewer Pump Station Replacement	1	Sewer	Enterprise Fund	Varina	1,000,000	0	0	0	0	1,000,000	1,000,000
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
					Sewer Subtotal	**62,000,000**	**61,000,000**	**18,900,000**	**80,000,000**	**46,400,000**	**46,300,000**	**252,600,000**
Public Utilities - Water												
00771	New Water Connections	1	Water	Enterprise Fund	Countywide	150,000	150,000	150,000	150,000	150,000	150,000	750,000
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	4,000,000	4,000,000	5,000,000	4,000,000	4,000,000	11,000,000	28,000,000
00769	Water Pumping Station Improvements	4	Water	Enterprise Fund	Countywide	500,000	500,000	500,000	500,000	500,000	1,300,000	3,300,000
00780	Water Meters	5	Water	Enterprise Fund	Countywide	900,000	900,000	500,000	500,000	500,000	500,000	2,900,000
00767	Water Reloc., Adjustments & Crossings	6	Water	Enterprise Fund	Countywide	300,000	300,000	200,000	200,000	200,000	200,000	1,100,000
08171	Water Treatment Facility Improvements	7	Water	Enterprise Fund	Three Chopt	300,000	300,000	300,000	700,000	350,000	100,000	1,750,000
08162	Woodman Road Water Line	8	Water	Enterprise Fund	B,F	1,200,000	1,200,000	0	0	0	0	1,200,000
06119	Laburnum Ave & Carolina Water Pump Station	1	Water	Enterprise Fund	Fairfield	0	0	800,000	0	2,500,000	0	3,300,000
06118	Sadler Road 12" Water Line	1	Water	Enterprise Fund	Three Chopt	0	0	0	1,500,000	0	0	1,500,000
08555	Portugee Road Water Pumping Station	1	Water	Enterprise Fund	Varina	0	0	0	0	600,000	0	600,000
08556	Old Williamsburg Water Pumping Station	2	Water	Enterprise Fund	Varina	0	0	0	0	400,000	0	400,000
06615	Ridge Water Pressure Zone	1	Water	Enterprise Fund	Tuckahoe	0	0	0	0	0	500,000	500,000
					Water Subtotal	**7,650,000**	**7,650,000**	**7,750,000**	**7,850,000**	**9,500,000**	**14,050,000**	**46,800,000**
Grand Total - Enterprise Fund						**69,650,000**	**68,650,000**	**26,650,000**	**87,850,000**	**55,900,000**	**60,350,000**	**299,400,000**

Capital Improvement Program FY2019-20 through FY2023-24

Enterprise Fund - *Belmont Golf Course Requests by Fiscal Year and Priority Number*

Project		Priority	Project Type	Source	District	Proposed FY19-20	Request FY19-20	Request FY20-21	Request FY21-22	Request FY22-23	Request FY23-24	Total Five Year
Recreation												
06251	Belmont GC Putting Greens and Bunker Renovations	1	Golf Course	Enterprise Fund	Fairfield	0	1,602,878	0	0	0	0	1,602,878
08474	Belmont GC Pro Shop Renovation	1	Golf Course	Enterprise Fund	Fairfield	0	0	0	521,876	0	0	521,876
08352	Irrigation and Cart Path Renovation	1	Golf Course	Enterprise Fund	Fairfield	0	0	0	0	0	1,308,963	1,308,963
				Golf Course Subtotal		**0**	**1,602,878**	**0**	**521,876**	**0**	**1,308,963**	**3,433,717**
Grand Total - Enterprise Fund						**0**	**1,602,878**	**0**	**521,876**	**0**	**1,308,963**	**3,433,717**

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 FY2019-20 through FY2023-24.

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 FY2019-20 is $322,677,800, which funds a portion of the project requests in the first year of the CIP. The projects in the FY2019-20 proposed Capital Budget do not have an operating impact on the FY2019-20 operating budget as the operating costs have implications on operating budgets beyond FY2019-20. Those costs have been factored into the County's multi-year expenditure forecasts. The FY2019-20 budget reflects new operating costs of $2,243,892. These operational costs are in support of the following projects: Glen Allen Elementary School capacity, Fairfield Library, MH/DS East Clinic, and high school field renovations. 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 2019-20 through FY2023-24
Fund 21 - Capital Projects Fund
Associated Operating Cost

Project		Priority	Project Type	Source	District	Request FY19-20	Request FY20-21	Request FY21-22	Request FY22-23	Request FY23-24	Total Five Year
Education											
00518	Roof Replacements		Building Improvement	General Fund	Countywide	0	0	0	0	0	0
00527	Mechanical Improvements		Building Improvement	General Fund	Countywide	0	0	0	0	0	0
06899	Education Meals Tax Project Reserve		Building Improvement	General Fund - Education Meals Tax	Countywide	0	0	0	0	0	0
70008	Tucker HS Construction	1	Building (New)	G.O. Bonds - Education - 2016/Other	Three Chopt	0	0	2,500,000	2,500,000	2,500,000	2,500,000
70009	Brookland Area ES Planning & Construction	2	Building (New)	G.O. Bonds - Education - 2016	Brookland	0	0	5,015,787	5,015,787	5,015,787	15,047,361
70010	Glen Allen HS ACE Center	3	Building (New)	G.O. Bonds - Education - 2016	Brookland	0	0	0	4,587,679	4,587,679	9,175,358
70011	Highland Springs HS Construction	4	Building (New)	G.O. Bonds - Education - 2016/Other	Varina	0	0	2,500,000	2,500,000	2,500,000	2,500,000
08778	Ancillary Facilities Planning Study	5	Feasibility/Programming Study	No Funding Source	Countywide	0	0	0	0	0	0
08777	Capital Facility Pre-Planning Study	1	Feasibility/Programming Study	No Funding Source	Countywide	0	0	0	0	0	0
70012	Adams ES Renovation	1	Building Improvement	G.O. Bonds - Education - 2016	Fairfield	0	0	0	0	0	0
08604	Jackson Davis ES - 8 Classroom Addition	1	Building Addition	No Funding Source	Three Chopt	0	0	0	0	0	0
06741	Virginia Randolph Complex Renovation.	2	Building Improvement	No Funding Source	Fairfield	0	0	0	0	0	0
06742	Central Gardens Renovation	3	Building Improvement	No Funding Source	Fairfield	0	0	0	0	0	0
06672	Jackson Davis ES Renovation	4	Building Improvement	No Funding Source	Three Chopt	0	0	0	0	0	0
06673	Longan ES Renovation	5	Building Improvement	No Funding Source	Brookland	0	0	0	0	0	0
06743	Highland Springs ES Renovation	6	Building Improvement	No Funding Source	Varina	0	0	0	0	0	0
06744	Holladay ES Renovation	7	Building Improvement	No Funding Source	Brookland	0	0	0	0	0	0
06746	Carver ES Renovation	8	Building Improvement	No Funding Source	Tuckahoe	0	0	0	0	0	0
08776	Highland Springs HS ACE Center Renov	1	Building Improvement	No Funding Source	Varina	0	0	0	0	0	0
08772	Dumbarton ES Renovation	2	Building Improvement	No Funding Source	Brookland	0	0	0	0	0	0
08773	Quioccasin MS Renovation	3	Building Improvement	No Funding Source	Tuckahoe	0	0	0	0	0	0
08774	Three Chopt ES Renovation	4	Building Improvement	No Funding Source	Three Chopt	0	0	0	0	0	0
08775	Hermitage HS & ACE Renovation	5	Building Improvement	No Funding Source	Brookland	0	0	0	0	0	0
				Department Subtotal		**0**	**0**	**10,015,787**	**14,603,466**	**14,603,466**	**29,222,719**
Fire											
13002	Firehouse 20 - Staples Mill Fire Station	1	Building (New)	G.O. Bonds - General Gov't - 2016	Brookland	0	1,684,554	1,684,554	1,684,554	1,684,554	6,738,216
06177	Firehouse #6 Relocation	1	Building (New)	No Funding Source	Varina	0	0	0	0	0	0
13003	Firehouse 23 - Eastgate/Newbridge	1	Building (New)	G.O. Bonds - General Gov't - 2016	Varina	0	0	0	0	1,684,554	1,684,554
08769	Opticom	2	Technology Improvement	No Funding Source	Countywide	0	0	94,200	94,200	94,200	282,600
06366	Firehouse #1 Relocation	1	Building (New)	No Funding Source	Fairfield	0	0	0	0	0	0
06529	Firehouse #11 Relocation	1	Building (New)	No Funding Source	Fairfield	0	0	0	0	0	0
06519	Firehouse #4 Relocation	2	Building (New)	No Funding Source	Varina	0	0	0	0	0	0
				Department Subtotal		**0**	**1,684,554**	**1,778,754**	**1,778,754**	**3,463,308**	**8,705,370**
General Services											
00572	Mechanical Improvements	1	Building Improvement	General Fund	General Government	0	0	0	0	0	0
00425	Roof Replacement and Rehabilitation	2	Building Improvement	General Fund	General Government	0	0	0	0	0	0
00423	Pavement Rehabilitation	3	Site Improvement	General Fund	General Government	0	0	0	0	0	0
06477	Small Project Improvements and Renovations	4	Building Improvement	General Fund	General Government	0	0	0	0	0	0
01198	Energy Management	5	Building Improvement	General Fund	General Government	0	0	0	0	0	0
08563	Library HQ Streambank Restoration	6	Building Improvement	No Funding Source	General Government	0	0	0	0	0	0
01199	County Generator Program	7	Building Improvement	General Fund	General Government	0	0	0	0	0	0
08767	County Buildings Restroom Refresh	8	Building Improvement	No Funding Source	General Government	0	0	0	0	0	0
08768	Juvenile Courts Parking Lot Expansion	9	Site Improvement	No Funding Source	General Government	0	0	0	0	0	0
06096	HSB Main Lobby & Social Services Waiting Refr	10	Building Improvement	General Fund	General Government	0	0	0	0	0	0
00612	Administration Infill Building	1	Building (New)	No Funding Source	General Government	0	0	0	312,941	312,941	625,882
08562	Old Fairfield Library Renovation	2	Building Improvement	No Funding Source	General Government	0	0	0	0	0	0
00012	HSB Extension Office Demo. Kitchen	3	Building Improvement	No Funding Source	General Government	0	0	0	0	0	0
08560	Admin Building New Agencies Renovation	1	Building Improvement	No Funding Source	General Government	0	0	0	0	0	0
08599	Woodman Police & Fire Installation Shop	2	Building (New)	No Funding Source	General Government	0	0	0	0	184,350	184,350
06103	CAM East & Road Crew Building	3	Building (New)	No Funding Source	General Government	0	0	0	0	623,983	623,983

Capital Improvement Program
Fiscal Year 2019-20 through FY2023-24
Fund 21 - Capital Projects Fund
Associated Operating Cost

Project		Priority	Project Type	Source	District	Request FY19-20	Request FY20-21	Request FY21-22	Request FY22-23	Request FY23-24	Total Five Year
07036	East Government Center Swing Building	1	Building (New)	No Funding Source	General Government	0	0	0	0	0	0
08561	Eastern Government Center Renovations	1	Building Improvement	No Funding Source	General Government	0	0	0	0	0	0
					Department Subtotal	**0**	**0**	**0**	**312,941**	**1,121,274**	**1,434,215**
Information Technology											
06481	Information Technology Projects	1	Technology Improvement	General Fund	General Government	0	0	0	0	0	0
					Department Subtotal	**0**	**0**	**0**	**0**	**0**	**0**
Information Technology - GIS											
00429	Geographic Information System	1	Technology Improvement	General Fund	General Government	0	0	0	0	0	0
					Department Subtotal	**0**	**0**	**0**	**0**	**0**	**0**
Non-Departmental											
08779	Henrico Aquatics Center	1	Building - New	General Fund	General Government	0	0	0	0	0	0
					Department Subtotal	**0**	**0**	**0**	**0**	**0**	**0**
Mental Health											
08605	Transitional Recovery Center	1	Building (New)	General Fund	General Government	0	4,212,564	4,212,564	4,212,564	4,212,564	16,850,256
06662	Woodman Road Expansion Construction	1	Building Addition	No Funding Source	General Government	0	0	237,075	237,075	237,075	711,225
					Department Subtotal	**0**	**4,212,564**	**4,449,639**	**4,449,639**	**4,449,639**	**17,561,481**
Police											
08350	Evidence Storage Facility	1	Building (New)	General Fund	General Government	0	173,315	173,315	173,315	173,315	693,260
08567	Police East Station	2	Building (New)	No Funding Source	General Government	0	193,591	193,591	193,591	193,591	774,364
08750	Police Range Classroom Addition	3	Building (New)	No Funding Source	General Government	0	46,272	46,272	46,272	46,272	185,088
08569	Police West Station	1	Building (New)	No Funding Source	General Government	0	0	0	117,329	117,329	234,658
					Department Subtotal	**0**	**413,178**	**413,178**	**530,507**	**530,507**	**1,887,370**
Public Library											
07034	Tuckahoe Library Renew/Repurpose	1	Building Improvement	No Funding Source	Tuckahoe	0	0	0	0	0	0
07033	Twin Hickory Library Renew/Repurpose	1	Building Improvement	No Funding Source	Three Chopt	0	0	0	0	0	0
					Department Subtotal	**0**	**0**	**0**	**0**	**0**	**0**
Public Works - Drainage											
06051	Joycelyn Court/Shewalt Drive Drainage	1	Drainage	No Funding Source	Fairfield	0	0	0	0	0	0
05013	Lawndale Farms Drainage	2	Drainage	No Funding Source	Varina	0	0	0	0	0	0
06037	Avalon Drive Drainage	3	Drainage	No Funding Source	Tuckahoe	0	0	0	0	0	0
06476	Gaylord Road Drainage	4	Drainage	No Funding Source	Three Chopt	0	0	0	0	0	0
06846	Lakeside Drainage Area Study	5	Drainage	No Funding Source	Brookland	0	0	0	0	0	0
06589	Oak Hill Lane Drainage	1	Drainage	No Funding Source	Fairfield	0	0	0	0	0	0
06020	Falmouth/Tacoma Street Drainage Study	2	Drainage	No Funding Source	Brookland	0	0	0	0	0	0
06004	Rolando Drive Drainage	3	Drainage	No Funding Source	Tuckahoe	0	0	0	0	0	0
06006	Huntsman Road Drainage Channel	4	Drainage	No Funding Source	Varina	0	0	0	0	0	0
06013	Homeview Drive Design	5	Drainage	No Funding Source	Three Chopt	0	0	0	0	0	0
06000	Beverly Drive/Dinwiddie Avenue Drainage	1	Drainage	No Funding Source	Tuckahoe	0	0	0	0	0	0
06053	Thorpes Branch	2	Drainage	No Funding Source	Brookland	0	0	0	0	0	0
06076	Monterey Avenue Drainage	3	Drainage	No Funding Source	Varina	0	0	0	0	0	0
06057	Central Gardens Drainage	4	Drainage	No Funding Source	Fairfield	0	0	0	0	0	0
06073	Georges Branch Channel	5	Drainage	No Funding Source	Tuckahoe	0	0	0	0	0	0
06010	Henderson Road Drainage	1	Drainage	No Funding Source	Brookland	0	0	0	0	0	0
06002	Barribee Lane Drainage	5	Drainage	No Funding Source	Three Chopt	0	0	0	0	0	0
					Department Subtotal	**0**	**0**	**0**	**0**	**0**	**0**

Capital Improvement Program
Fiscal Year 2019-20 through FY2023-24
Fund 21 - Capital Projects Fund
Associated Operating Cost

Project		Priority	Project Type	Source	District	Request FY19-20	Request FY20-21	Request FY21-22	Request FY22-23	Request FY23-24	Total Five Year
Public Works - Roadway											
07043	Woodman Road Extension	1	Roadway	No Funding Source	Brookland, Fairfield	0	0	0	0	0	0
06604	Oakley's Lane	2	Roadway	No Funding Source	Varina	0	0	0	0	0	0
00499	General Road Construction	3	Roadway	General Fund - Public Works	Countywide	0	0	0	0	0	0
06837	Countywide Pedestrian Improvements	4	Roadway	General Fund	Countywide	0	0	0	0	0	0
08163	Countywide Engineering Feasibility Study	5	Roadway	General Fund	Countywide	0	0	0	0	0	0
28001	Richmond - Henrico Turnpike	1	Roadway	G.O. Bonds - General Gov't - 2016	Fairfield	0	0	0	0	0	0
08745	N. Gayton Road Interchange	2	Roadway	General Fund	Three Chopt	0	0	0	0	0	0
08558	Kain Road	1	Roadway	No Funding Source	Three Chopt	0	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	0
				Department Subtotal		**0**	**0**	**0**	**0**	**0**	**0**
Recreation											
23002	Glover Park	1	Park	G.O. Bonds - General Gov't - 2016	Brookland	0	395,907	395,907	395,907	395,907	1,583,628
23003	Dorey Park	2	Site Improvement	G.O. Bonds - General Gov't - 2016	Varina	0	459,753	459,753	459,753	459,753	1,839,012
06194	Facility Rehabilitation	3	Site Improvement	General Fund	Countywide	0	0	0	0	0	0
08355	Route 5 Visitor Center/Henrico Museum	4	Site Improvement	No Funding Source	Varina	0	20,000	20,000	20,000	20,000	80,000
06215	Meadow Farm Kitchen	5	Building (New)	No Funding Source	Brookland	0	42,640	42,640	42,640	42,640	170,560
23004	Deep Run Park	1	Site Improvement	G.O. Bonds - General Gov't - 2016	Three Chopt	0	0	53,500	53,500	53,500	160,500
23005	Taylor Park	2	Park	G.O. Bonds - General Gov't - 2016	Varina	0	0	0	792,893	792,893	1,585,786
06253	Laurel Recreation Area	3	Site Improvement	No Funding Source	Brookland	0	0	0	0	0	0
23006	Cheswick Park	1	Site Improvement	G.O. Bonds - General Gov't - 2016	Three Chopt	0	0	0	51,500	51,500	103,000
23007	Tuckahoe Creek Park	2	Park	G.O. Bonds - General Gov't - 2016	Tuckahoe	0	0	0	13,000	13,000	26,000
00509	Pouncey Tract Park	3	Site Improvement	No Funding Source	Three Chopt	0	0	0	0	0	0
23008	Three Lakes Nature Center Park	1	Site Improvement	G.O. Bonds - General Gov't - 2016	Fairfield	0	0	0	0	52,500	52,500
23009	Tuckahoe Park	2	Site Improvement	G.O. Bonds - General Gov't - 2016	Tuckahoe	0	0	0	0	330,969	330,969
06213	Western Maintenance Building	3	Building (New)	No Funding Source	General Government	0	0	0	0	0	0
				Department Subtotal		**0**	**918,300**	**971,800**	**1,829,193**	**2,212,662**	**5,931,955**
Sheriff											
08748	Jail West Booking Security Barriers	1	Building Improvement	No Funding Source	General Government	0	0	0	0	0	0
08749	Jail East & West IP Camera Upgrades	1	Building Improvement	No Funding Source	General Government	0	0	0	0	0	0
08565	Jail West Female Housing Expansion	1	Building Improvement	No Funding Source	General Government	0	0	0	0	0	0
08566	Jail West Kitchen Renovation	2	Building Improvement	No Funding Source	General Government	0	0	0	0	0	0
01112	Jail East Special Housing Unit	1	Building (New)	No Funding Source	General Government	0	0	0	0	0	0
				Department Subtotal		**0**	**0**	**0**	**0**	**0**	**0**
Grand Total - Capital Projects Fund						**0**	**7,228,596**	**17,629,158**	**23,504,500**	**26,380,856**	**64,743,110**