

CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2021
PROJECT LIST

Project Name	Project #	Page #
Community Facilities		
Funded Projects		
ADA Door & Restroom Retrofits at Various Facilities - Phase I	21-200	C-1
CIBH - Parking Addition*	01-210	C-2
Facilities - High Priority Renewal and Replacements - Phase III	02-150	C-3
Library - Automated Materials Handling System	12-190	C-4
Library - Customer Service Desk Replacements*	02-210	C-5
Library - Russell Memorial Parking Addition*	03-210	C-6
Municipal Parking Lots and Sidewalks II	04-150	C-7
Public Works/Public Utilities Operating Facilities Relocation	01-150	C-8
Social Services Building Restroom Renovation*	04-210	C-9
Solid Waste Facilities Relocation	02-160	C-10
Voting Equipment	02-200	C-11
Community Facilities		
Fully Funded Projects		
American Disability Act	03-081	C-13
American Disability Act-III	01-121	C-14
City Hall 6th Floor Redesign/Expansion for City Attorney & City Manager's Offices	03-200	C-15
CNG (Compressed Natural Gas) Fueling Station/Fast Payback Energy Conservation	44-130	C-16
Community Revitalization	98-120	C-17
Compressed Natural Gas (CNG) Fueling Station # 2	01-180	C-18
Facilities - Library Improvements	08-140	C-19
Human Services HVAC/Emergency Exit	09-140	C-20
Intellectual Disability Day Support Building - Renovation	15-190	C-21
Jordan Bridge Memorial	02-180	C-22
Juvenile Services Building Renovations	04-200	C-23
Library Bookmobile Replacement	01-200	C-24
Mosquito Control Facilities Relocation	01-160	C-25
Psychosocial Day Support Building - Expansion	14-190	C-26
Public Health Center/Health Department Expansion	08-190	C-27
Sheriff - Work Release Equipment	99-120	C-28
South Norfolk Community Development	10-120	C-29

Note: New projects approved in the FY 2017 CIP are listed in bold

Note: Summary of "Fully Funded" Projects is listed on page B-11

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Project Name	Project #	Page #
Economic Development		
Funded Projects		
22nd Street Commercial Site Preparation (SoNo TIF)	45-200	D-1
Fentress Encroachment Protection	10-190	D-2
Greenbrier Commerce Improvement District	03-170	D-3
Tidewater Community College - Science/Engineering Building	40-200	D-4
Economic Development		
Fully Funded Projects		
Airport Authority Improvements and Expansion	01-170	D-5
Battlefield Blvd./Volvo Pkwy. Improvements (GB TIF)	13-121	D-6
Commerce Park	62-120	D-7
Commerce Park - Greenbrier Circle Access Road	62-121	D-8
Conference Center District Improvements (GB TIF)	14-100	D-9
Conference Center Renovation (GB TIF)	15-100	D-10
Dominion Boulevard Corridor	02-170	D-11
Elizabeth River Park	63-121	D-12
Greenbrier Center District Improvements (GB TIF)	13-120	D-13
Greenbrier Commercial District Pedestrian Safety Improvements (GB TIF)	20-100	D-14
Greenbrier Streetscape Lighting (GB TIF)	13-122	D-15
Greenbrier Way-finding Signage (GB TIF)	09-110	D-16
South Norfolk - Strategic Development	09-090	D-17
South Norfolk - Johnson Park Improvements	22-120	D-18
South Norfolk - Poindexter Streetscape	19-120	D-19
South Norfolk - Strategic Acquisition of Real Property	04-170	D-20
South Norfolk - Street Light Improvements (SoNo TIF)	49-170	D-21
Education		
Funded Projects		
Full Day Kindergarten	05-210	E-1
Modernization/Renovation of Schools (to be determined by School Board)	32-190	E-2
Non-routine Renewal & Replacement Projects - Schools	03-180	E-3
Oscar Smith High School - Building Addition	06-210	E-4
School Bus - Replacement	29-190	E-5
School Technology - Replacement	30-190	E-6
Education		
Fully Funded Projects		
Great Bridge Primary School - Modernization	31-190	E-7
Land, Elementary School, Chittum area	33-97	E-8
Land, Elementary School, Southeastern Area	41-98	E-9

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Project Name	Project #	Page #
Information Technology		
Funded Projects		
CAD Interface between Sheriff and Police	07-210	F-1
Enterprise KRONOS Upgrade - Phase II	09-170	F-2
Enterprise Wide Technology III	08-210	F-3
Fire - NWS Inspections CAD Interface	09-210	F-4
Fire - Telestaff Kronos Interface	10-210	F-5
Fire - Tri-City Automatic Aid CAD Interface (Regional 911 Dispatch Interface)	11-210	F-6
Information Technology Help Desk/Service Desk Software Replacement	11-200	F-7
Jail - Data Center	12-210	F-8
Laserfische Upgrade	13-210	F-9
Library - Cisco Telepresence Refresh	05-200	F-10
Library - Integrated Library System (ILS) Hosting	06-200	F-11
Library - Switch/Router Refresh	07-200	F-12
Library - Tablet Lending System	08-200	F-13
Library - Technology Upgrade/Replacement Phase II	13-190	F-14
Replace Existing PBX Telephone System with VoIP	14-210	F-15
Replacement of Network Equipment	15-210	F-16
Sheriff - Automated Rounds Software	16-210	F-17
Information Technology		
Fully Funded Projects		
Case Management Software for City and Commonwealth Attorneys Offices	20-190	F-19
Citizen Mobile Apps Project	11-190	F-20
E-Gov Initiative - Phase II Web 2.0	12-140	F-21
EMS Field Collection/Treasurer Billing	22-100	F-22
Enterprise Financials PeopleSoft/PeopleTools Upgrade - Phase I	27-160	F-23
Enterprise Financials PeopleSoft/PeopleTools Upgrade - Phase II	06-170	F-24
Enterprise KRONOS Upgrade - Phase I	06-160	F-25
Enterprise Wide Technology Improvements - Phase II	15-130	F-26
Enterprise Wide Technology Improvements - Phase III	07-170	F-27
Human Services Case Management System	08-170	F-28
Mainframe Modernization	28-150	F-29
Maximo Upgrade and Integration to PeopleSoft	11-170	F-30
Personal Property Tax System Modernization	91-120	F-31
Police Mobile Communication Security	10-200	F-32
Project 25 Radio System	08-160	F-33
Real Estate Assessor Computer Assisted Mass Appraisal	12-170	F-34
Risk Management Software	41-130	F-35

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Project Name	Project #	Page #
Parks, Recreation, and Tourism		
Funded Projects		
ADA Facility Compliance - Parks & Recreation	22-190	G-1
Athletic Field Improvements	16-190	G-2
Ballahack Rd. Boat Ramp Area Improvement Project	43-200	G-3
Chesapeake Arboretum	17-210	G-4
Commonwealth/Seaboard Multi-City Rail Trail (Western Branch Rail to Trail)	18-210	G-5
Conference Center Renovation	12-200	G-6
Dismal Swamp Canal Trail - Phase III (Renovation, Restroom, Parking Lot)	19-210	G-7
Elizabeth River Park Fishing Pier	19-191	G-8
Facility Improvements on Recreational Buildings	19-190	G-9
Open Space and Recreation Funding Projects	47-200	G-10
Park Program Improvements	18-190	G-11
Parking Lot Improvements - Parks & Recreation	21-190	G-12
Security Improvements - Parks & Recreation	24-190	G-13
Western Branch Trail Renovation	13-200	G-14
Parks, Recreation, and Tourism		
Fully Funded Projects		
Conference Center - Replace Roo	04-190	G-15
Dismal Swamp Canal Trail - Phase I	21-100	G-16
General Improvements to Community Centers and Parks	09-160	G-17
Great Bridge Battlefield Visitors Center (Partial)	26-070	G-18
Northwest River Park Upgrade	45-140	G-19
Oak Grove Lake Park - Additional Parking Spaces	23-190	G-20
Open Space Park Improvements - 2014 (Parks Open Space)	06-180	G-21
Park Shelters & Playgrounds	27-111	G-22
Parks - Land Acquisition	17-050	G-23

Note: New projects approved in the FY 2017 CIP are listed in bold
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Project Name	Project #	Page #
Public Safety		
Funded Projects		
Deep Creek Fire Station #8 - Relocate	27-190	H-1
Dock Landing Fire Station #11 - Replace	28-190	H-2
Fire - Mobile Radio Repeaters	20-210	H-3
Fire - Self Contained Breathing Apparatus	16-200	H-4
Fire - Thermal Imaging Cameras	14-200	H-5
Fire - Vehicle Replacement	39-200	H-6
Jail - Intercom System Digital Conversion	21-210	H-7
Jail - Kitchen Equipment Replacement	22-210	H-8
Jail - Laundry Equipment Replacement	23-210	H-9
Jail - PLC System Replacement & Upgrade	24-210	H-10
Jail - Surveillance System Digital Conversion & Additional Cameras	25-210	H-11
Jail and Sheriff HQ - Renewal and Replacements	26-210	H-12
Police - Command Bus Replacement	27-210	H-13
Police - Electronic Summons	28-210	H-14
Police - Fingerprint Readers	29-210	H-15
Public Safety		
Fully Funded Projects		
Biomedical Equipment	15-200	H-17
Bowers Hill Fire Station #10 and Fire Department Logistics Support Center	07-110	H-18
Cooling Tower for Courts, Public Safety, and Jail - Replacement	01-190	H-19
Cornland Fire Station #13 - Restroom Renovations	25-150	H-20
Fire Alarm and Public Address System	17-200	H-21
Jail Addition Phase II - Design	59-120	H-22
Jail Expansion to Address Overcrowding	04-180	H-23
Police - Emergency Vehicle Storage Facility	26-190	H-24
Precinct Security Camera System Upgrades	18-200	H-25
Public Safety EOC/EDC/Back-up Network Ops Center and Upgrade CAD System	39-140	H-26
Public Safety Site Remediation/Turn Lane Construction	38-140	H-27
Regional Jail Participation	33-190	H-28
Saint Brides Fire Station #7/Hickory Police Precinct #6 - Combine	10-160	H-29

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Project Name	Project #	Page #
Public Utilities		
Funded Projects		
Automated Meter Reading Equipment and Software	53-120	I-1
Centerville Turnpike Loop 3	43-120	I-2
Deep Creek Pump Station Upgrade	20-140	I-3
Force Main Replacement: Dominion Blvd. and I-64	34-200	I-4
Gravity Sewer Renewal: Bainbridge Blvd. Basin (HRSD Project Area)	16-170	I-5
Lake Gaston WTP - Membrane Replacement - Phase II	21-130	I-6
Lake Gaston WTP - Miscellaneous Modifications	37-200	I-7
Lake Gaston WTP - Strategic Treatment and Facility Development Plan	38-200	I-8
Military Hwy. - 36" Water Main	38-120	I-9
Norfolk Highlands Elevated Tank Rehabilitation	28-200	I-10
Northwest River WTP - Membrane Replacement - Phase III	01-090	I-11
Northwest River WTP - Miscellaneous Modifications	19-130	I-12
Northwest River WTP - Replace Bulk Chemical Storage Tanks	30-200	I-13
Northwest River WTP - Replace Ground Storage Tank	29-200	I-14
Northwest River WTP - Riverbank Filtration System	36-200	I-15
Public Utilities CIS Upgrade	30-210	I-16
Raw Water Transmission Main	39-120	I-17
Sanitary Force Main: Volvo Parkway	31-210	I-18
Sewer and Water Renewal: Elbyrne Dr.	23-170	I-19
Sewer Management Operations & Maintenance	13-160	I-20
Sewer Pump Station Safety Improvements	35-200	I-21
Sewer Renewal: Additional Consent Order Capital Requirement	05-180	I-22
Sewer Renewal: Liberty St. (500 Block to Collingswood Ave.)	26-170	I-23
Sewer Renewal: Raleigh Place (Pump Station #7 Basin)	33-170	I-24
Sewer Renewal: Westwood Ave. and Redstart Ave.	42-170	I-25
Sewer Replacement: Orville Ave. Alleyway (Bainbridge to Seaboard)	31-170	I-26
Unserved Areas/Cost Participation - Phase II	25-200	I-27
Water & Sewer Pump Station Telemetry Installation and Upgrade	32-210	I-28
Water Control Laboratory - Upgrade HVAC	26-200	I-29
Water Production Security System Upgrades	31-200	I-30
Water Renewals: Waterline Upgrading - Phase II	14-160	I-31
Water Residuals Disposal	32-200	I-32
Water System Planning and Upgrades	33-210	I-33
Water Treatment Plant Control System Upgrade	27-200	I-34
Western Branch Elevated Tank Rehabilitation	33-200	I-35

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Project Name	Project #	Page #
Public Utilities		
Fully Funded Projects		
Asset Management System	24-130	I-37
Bainbridge Blvd. Elevated Storage Tank Renovation	12-160	I-38
Battlefield to Centerville Water Main - Phase I	21-140	I-39
Battlefield to Centerville Water Main - Phase II	22-140	I-40
Crestwood Sewer - Phase I (Pump Station #931)	19-170	I-41
Crestwood Sewer - Phase II (Pump Station #931)	20-170	I-42
Crestwood Sewer - Phase III (Pump Station #12)	21-170	I-43
Customer Service & Billing Software	34-120	I-44
Generator Replacement Program	25-130	I-45
Greenbrier Pkwy. - Force Main Upgrade	06-100	I-46
Joliff Rd. Waterline - Phase II	29-050	I-47
Laboratory Equipment Replacement - Phase I	50-121	I-48
Lake Gaston Water Protection	31-101	I-49
Maintenance & Operations Equipment Replacement	18-150	I-50
Manhole Rehabilitation (1709 Vertical Feet)	28-170	I-51
Murray Dr. and Whittamore Rd. Water Project	40-130	I-52
Northwest River WTP - 30" Raw Water Main	54-120	I-53
Northwest River WTP - Basin Cover Replacement	40-120	I-54
Oak Grove Elevated Tank Standpipe Replacement	05-190	I-55
Pump Station and Wet Well Upgrading - Phase IV	02-140	I-56
Red Top Tank and Raw Water Pump Station	17-140	I-57
Sanitary Sewer Evaluation Study	27-120	I-58
Sewer Improvements: Gravity Sewer System at Indian River Service Area - Phase I	35-170	I-59
Sewer Renewal: 18th Street	15-170	I-60
Sewer Renewal: Chesapeake Ave. (Guerriere to Ohio Sewer)	18-170	I-61
Sewer Renewal: Melton St.	29-170	I-62
Sewer Renewal: SSES Implementation - Phase I	32-120	I-63
Sewer Renewal: SSES Implementation - Phase II	33-120	I-64
Sewer System Repairs - Phase I	31-120	I-65
Sewer System Repairs - Phase II	04-140	I-66
South Norfolk Improvements	45-120	I-67
Unserved Areas: Battlewood Meadows Sewer Cost Participation	51-129	I-68
Unserved Areas: Wampler, Manning, Vico, Jolliff Sewer Cost Participation	51-128	I-69
Water Renewal: Buchanan St.	24-200	I-70
Water Renewals: Waterline Upgrades - Phase I	71-120	I-71
Water System Renewal - Phase I	24-120	I-72
Water System Renewal - Phase II	21-150	I-73
Western Branch Interconnect to Lake Gaston WTP	47-120	I-74

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Project Name	Project #	Page #
Stormwater		
Funded Projects		
BMP Restoration Citywide	73-120	J-1
Citywide Outfall Re-Grading and Restoration	03-160	J-2
Citywide System Rehab	43-170	J-3
Citywide Undesignated Drainage - Phase III	07-150	J-4
Historical Data Cleanup Grant (DEQ)	05-141	J-5
Liberty St. Drainage System Replacement & Upgrade	34-210	J-6
Major Equipment Purchases - PW Stormwater Division	07-180	J-7
Master Drainage Improvements II	40-210	J-8
Neighborhood Drainage Improvements - Phase II	08-150	J-9
Oakdale Area BMP and Drainage Improvements	09-150	J-10
Shillelagh Rd. Drainage Outfall Improvement	77-120	J-11
Stormwater Mapping & Master Drainage Plan III	10-150	J-12
Stormwater Quality Program - Phase II	11-150	J-13
Welch Ln. Drainage Improvements	19-200	J-14
Whittamore Rd. Outfall Improvements	20-200	J-15
Stormwater		
Fully Funded Projects		
Ahoy Acres/Holly Cove System Replacement	06-150	J-17
Border Rd. Area Drainage Improvements - Phase II	06-140	J-18
Chesapeake Dr. Drainage Improvements	02-130	J-19
Citywide Undesignated Drainage - Phase I	04-080	J-20
Colony Manor Outfall Improvements	72-120	J-21
Cooper's Ditch Dredging	04-100	J-22
D Street Drainage Improvements	04-130	J-23
Lamberts Trail Area Drainage Improvements	07-130	J-24
Neighborhood Drainage Improvements - Phase I	05-121	J-25
Partridge/Cloverdale Area Drainage Improvements	75-120	J-26
Prince Edward Dr. Outfall Improvements	09-130	J-27
Royce Dr. Drainage Outfall Improvements	10-130	J-28
Scenic Blvd. Drainage Improvements	76-120	J-29
Shorewood Area Drainage Improvements	11-130	J-30
Stormwater Mapping & Master Drainage Plan II	06-120	J-31
Stormwater Quality Program/VPDES Permit Compliance	05-140	J-32
Sunray Area Outfall Re-Grading	13-130	J-33
Washington Manor Drainage Outfall Improvements	80-120	J-34
Yadkin Rd. BMP Drainage Improvement - Phase III	12-150	J-35

CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2021

PROJECT LIST

Project Name	Project #	Page #
Transportation		
Funded Projects		
22nd Street Bridge Replacement	21-120	K-1
Chesapeake Expressway Administration Building Modifications	46-200	K-2
Chesapeake Transportation System Renewals - Phase II	35-210	K-3
Deep Creek AIW Bridge Replacement	08-180	K-4
Freeman Ave. Railroad Overpass	09-180	K-5
Mt. Pleasant Rd. Widening	36-210	K-6
Mullen Road Connector	13-180	K-7
Non-Arterial Street Repaving	07-190	K-8
Repair & Maintenance Roads and Bridges - Phase IV	37-210	K-9
Right Turn Lane and Signal Modification: Woodlake Dr. at Greenbrier Pkwy.	38-210	K-10
Rural Roads Safety Improvement Program	41-210	K-11
Traffic Signal & Intersection Improvement: Butts Station Rd. at Centerville Tpke.	39-210	K-12
VDOT Primary Ext. Grant - Atlantic Ave. and Airline Blvd. Resurfacing	44-200	K-13

Transportation

Fully Funded Projects

Benefit Rd. Ditch and Shoulder Improvements	22-200	K-15
Bruce Rd. Safety Improvements	02-190	K-16
Centerville Bridge Rehabilitation	03-190	K-17
Centerville Bridge Super Structure Repairs	44-170	K-18
Chesapeake Expressway Renewals	26-160	K-19
Chesapeake Expressway Renewals	26-161	K-20
Chesapeake Expressway Renewals	26-162	K-21
Chesapeake Expressway Renewals	26-163	K-22
Elbow Rd. - Phase I	14-150	K-23
Grade Crossing Safety Program	04-09002	K-24
Grade Crossing Safety Program	04-09003	K-25
Grade Crossing Safety Program II	03-120	K-26
Gum Road Multi-Use Path - Phase II	20-051	K-27
Military Hwy. and Smith Ave. Intersection Improvements	06-190	K-28
Military Hwy. S. at Baugher Ave.	16-150	K-29
Military Hwy. S. at State St.	17-150	K-30
Portsmouth Blvd.	35-100	K-31
Repair & Maintenance Roads and Bridges - Phase III	17-130	K-32
Right Turn Lane Extension: Battlefield Blvd. at Hickory High School	23-200	K-33
Right Turn Lane: Military Hwy. at Galberry Rd.	42-200	K-34
South Norfolk Railroad Crossings	48-170	K-35
Sunray Overpass Rehabilitation	45-170	K-36

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Project Name	Project #	Page #
Transportation (cont.)		
Fully Funded Projects		
Traffic Management Center - Expansion of System	54-17003	K-37
Traffic Signals and Intersection Improvements - Phase I	21-082	K-38
Traffic Signals and Intersection Improvements - Phase II	67-121	K-39
Triple Decker Bridge Rehabilitation	46-170	K-40
US Route 17 South of Cedar Rd. (Dominion Blvd.)	47-170	K-41
US Route 17 Wetland Mitigation (Dominion Blvd.)	23-061	K-42
US Route 17/Steel Bridge (Dominion Blvd.)	23-060	K-43
VDOT Primary Ext. Grant: Battlefield Blvd. Paving between Debaun and Campostella	41-200	K-44

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FULLY FUNDED PROJECTS SUMMARY

Improvement Category	Prior Years Appropriations	Expended or Encumbered	Uncommitted Appropriations	# of Projects
Community Facilities	\$ 22,144,384	\$ 4,511,334	\$ 17,633,050	17
Economic Development	40,210,478	29,032,922	11,177,556	17
Education	25,994,200	568	25,993,632	3
Information Technology	25,722,896	21,452,037	4,270,859	19
Parks, Recreation & Tourism	12,127,791	8,672,769	3,455,022	9
Public Safety	102,392,975	50,776,204	51,616,771	13
Public Utilities	93,147,117	42,871,711	50,275,406	38
Storm Water	24,969,339	8,252,421	16,716,918	19
Transportation	457,324,671	368,666,982	88,657,689	30
GRAND TOTAL	\$ 804,033,851	\$ 534,236,948	\$ 269,796,903	165

CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
SUMMARY OF ESTIMATED RESOURCES

Source of Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Cash									
General Fund Transfer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,856,635	\$ -	\$ 6,856,635
Lockbox City	7,682,054	8,710,150	3,713,160	4,235,000	5,100,000	29,440,364	3,125,000	7,797,800	40,363,164
Lockbox Schools	6,575,900	5,580,500	5,500,000	5,500,000	5,500,000	28,656,400	14,351,093	24,000,000	67,007,493
Other City Funds	-	-	-	-	-	-	736,891	-	736,891
South Norfolk TIF Revenue	2,316,247	-	-	-	-	2,316,247	6,099,300	-	8,415,547
Stormwater Operations	5,550,000	5,500,000	5,500,000	5,500,000	5,500,000	27,550,000	12,684,012	-	40,234,012
Public Utility Operations	8,878,867	6,701,000	9,725,000	13,375,000	15,550,000	54,229,867	27,608,813	47,178,123	129,016,803
Fund Balance - Capital Projects	1,550,000	4,183,000	650,000	1,125,000	1,000,000	8,508,000	1,192	-	8,509,192
Fund Balance - CTS	883,000	1,407,850	90,000	53,700	-	2,434,550	350,000	8,300,000	11,084,550
Fund Balance - General Fund	10,740,812	5,008,710	3,486,000	2,770,000	3,110,000	25,115,522	6,380,000	-	31,495,522
Fund Balance - Info. Technology	211,000	140,000	995,000	435,000	85,000	1,866,000	384,043	-	2,250,043
Fund Balance - Other Funds	3,018,000	830,000	-	-	-	3,848,000	1,290,000	-	5,138,000
Fund Balance - Stormwater	700,000	700,000	710,000	755,000	770,000	3,635,000	-	-	3,635,000
Subtotal - City Cash	\$ 48,105,880	\$ 38,761,210	\$ 30,369,160	\$ 33,748,700	\$ 36,615,000	\$ 187,599,950	\$ 79,866,978	\$ 87,275,923	\$ 354,742,851
Grant	2,753,791	22,000,000	-	-	-	24,753,791	5,516,416	26,427,000	56,697,207
Proffers	500,000	3,500,000	-	-	-	4,000,000	-	-	4,000,000
VDOT Revenue Share	3,983,753	10,000,000	2,000,000	2,000,000	2,000,000	19,983,753	1,000,000	-	20,983,753
Subtotal - Cash (all sources)	\$ 55,343,424	\$ 74,261,210	\$ 32,369,160	\$ 35,748,700	\$ 38,615,000	\$ 236,337,494	\$ 86,383,394	\$ 113,702,923	\$ 436,423,811
Debt Financing									
G.O. Debt - City	\$ -	\$ 16,696,739	\$ 640,500	\$ 5,750,836	\$ 13,500,000	\$ 36,588,075	\$ 11,870,000	\$ 4,800,000	\$ 53,258,075
G.O. Debt - Greenbrier TIF	-	-	-	-	16,000,000	16,000,000	-	-	16,000,000
G.O. Debt - Short Term Financing	-	1,250,000	1,500,000	1,500,000	1,500,000	5,750,000	2,330,756	7,500,000	15,580,756
G.O. Debt - South Norfolk TIF	6,000,000	-	-	-	-	6,000,000	-	-	6,000,000
G.O. Debt - VPSA	4,000,000	8,725,000	29,275,000	19,000,000	4,000,000	65,000,000	9,000,000	16,000,000	90,000,000
Revenue Bonds - Utility Fund	3,483,300	7,074,200	12,344,117	500,000	10,000,000	33,401,617	18,224,091	285,500,000	337,125,708
Subtotal - Debt Financing	\$ 13,483,300	\$ 33,745,939	\$ 43,759,617	\$ 26,750,836	\$ 45,000,000	\$ 162,739,692	\$ 41,424,847	\$ 313,800,000	\$ 517,964,539
Total Resources	\$ 68,826,724	\$ 108,007,149	\$ 76,128,777	\$ 62,499,536	\$ 83,615,000	\$ 399,077,186	\$ 127,808,241	\$ 427,502,923	\$ 954,388,350

CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
SUMMARY OF RESOURCE REQUIREMENTS

Resource Requirements by Category	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
General Government									
Community Facilities	\$ 3,369,500	\$ 2,414,000	\$ 1,984,000	\$ 2,375,000	\$ 25,280,000	\$ 35,422,500	\$ 22,226,948	\$ 5,282,800	\$ 62,932,248
Economic Development	4,200,000	1,500,000	-	-	16,000,000	21,700,000	8,342,266	-	30,042,266
Education	12,946,135	20,293,500	34,775,000	24,500,000	9,500,000	102,014,635	24,351,093	40,000,000	166,365,728
Information Technology	522,590	1,501,225	1,078,160	660,000	220,000	3,981,975	589,898	-	4,571,873
Parks, Recreation & Tourism	3,748,791	3,565,000	2,335,000	2,810,000	2,185,000	14,643,791	4,031,821	8,317,000	26,992,612
Public Safety	3,206,541	8,405,374	3,237,500	7,520,836	2,110,000	24,480,251	750,000	7,500,000	32,730,251
Transportation	19,430,000	48,945,000	4,350,000	4,450,000	4,500,000	81,675,000	12,624,300	25,425,000	119,724,300
Subtotal - General Government	\$ 47,423,557	\$ 86,624,099	\$ 47,759,660	\$ 42,315,836	\$ 59,795,000	\$ 283,918,152	\$ 72,916,326	\$ 86,524,800	\$ 443,359,278
Enterprise Funds									
Chesapeake Expressway (CTS) - Capital	\$ 883,000	\$ 1,407,850	\$ 90,000	\$ 53,700	\$ -	\$ 2,434,550	\$ 350,000	\$ 8,300,000	\$ 11,084,550
Public Utilities - Capital	12,362,167	13,775,200	22,069,117	13,875,000	17,550,000	79,631,484	41,832,904	332,678,123	454,142,511
Storm Water - Capital	8,158,000	6,200,000	6,210,000	6,255,000	6,270,000	33,093,000	12,709,012	-	45,802,012
Subtotal - Enterprise Funds	\$ 21,403,167	\$ 21,383,050	\$ 28,369,117	\$ 20,183,700	\$ 23,820,000	\$ 115,159,034	\$ 54,891,916	\$ 340,978,123	\$ 511,029,073
Total Requirements	\$ 68,826,724	\$ 108,007,149	\$ 76,128,777	\$ 62,499,536	\$ 83,615,000	\$ 399,077,186	\$ 127,808,241	\$ 427,502,923	\$ 954,388,350

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ESTIMATED COST REQUIREMENTS**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Community Facilities										
ADA Door & Restroom Retrofits at Various Facilities - Phase I	21-200	220,000	-	-	-	-	220,000	220,000	-	440,000
CIBH - Parking Addition	01-210	350,000	-	-	-	-	350,000	-	-	350,000
Facilities - High Priority Renewal and Replacements - Phase III	02-150	2,095,000	2,175,000	1,745,000	2,175,000	2,580,000	10,770,000	4,910,000	-	15,680,000
Library - Automated Materials Handling System	12-190	-	-	-	-	-	-	426,948	482,800	909,748
Library - Customer Service Desk Replacements	02-210	104,500	39,000	39,000	-	-	182,500	-	-	182,500
Library - Russell Memorial Parking Addition	03-210	500,000	-	-	-	-	500,000	-	-	500,000
Municipal Parking Lots and Sidewalks II	04-150	-	200,000	200,000	200,000	200,000	800,000	800,000	-	1,600,000
Public Works/Public Utilities Operating Facilities Relocation	01-150	-	-	-	-	22,500,000	22,500,000	13,700,000	-	36,200,000
Social Services Building Restroom Renovation	04-210	100,000	-	-	-	-	100,000	-	-	100,000
Solid Waste Facilities Relocation	02-160	-	-	-	-	-	-	2,170,000	3,300,000	5,470,000
Voting Equipment	02-200	-	-	-	-	-	-	-	1,500,000	1,500,000
Community Facilities Total		3,369,500	2,414,000	1,984,000	2,375,000	25,280,000	35,422,500	22,226,948	5,282,800	62,932,248
Economic Development										
22nd Street Commercial Site Preparation (SoNo TIF)	45-200	-	-	-	-	-	-	50,000	-	50,000
Fentress Encroachment Protection	10-190	4,200,000	-	-	-	-	4,200,000	8,292,266	-	12,492,266
Greenbrier Commercial District Improvements	03-170	-	-	-	-	16,000,000	16,000,000	-	-	16,000,000
Tidewater Community College - Science/Engineering Building	40-200	-	1,500,000	-	-	-	1,500,000	-	-	1,500,000
Economic Development Total		4,200,000	1,500,000	-	-	16,000,000	21,700,000	8,342,266	-	30,042,266

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ESTIMATED COST REQUIREMENTS**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Education										
Full Day Kindergarten	05-210	2,530,235	-	-	-	-	2,530,235	-	-	2,530,235
Modernization/Renovation of Schools (to be determined by School Board)	32-190	-	4,725,000	25,275,000	15,000,000	-	45,000,000	-	-	45,000,000
Non-routine Renewal & Replacement Projects - Schools	03-180	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	37,500,000	20,351,093	30,000,000	87,851,093
Oscar Smith High School - Building Addition	06-210	915,900	6,068,500	-	-	-	6,984,400	-	-	6,984,400
School Bus - Replacement	29-190	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	2,000,000	5,000,000	12,000,000
School Technology - Replacement	30-190	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	2,000,000	5,000,000	12,000,000
Education Total		12,946,135	20,293,500	34,775,000	24,500,000	9,500,000	102,014,635	24,351,093	40,000,000	166,365,728
Information Technology										
CAD Interface between Sheriff and Police	07-210	-	606,225	-	-	-	606,225	-	-	606,225
Enterprise KRONOS Upgrade - Phase II	09-170	135,000	-	-	-	135,000	270,000	130,000	-	400,000
Enterprise Wide Technology III	08-210	-	250,000	-	-	-	250,000	-	-	250,000
Fire - NWS Inspections CAD Interface	09-210	-	50,000	-	-	-	50,000	-	-	50,000
Fire - Telestaff Kronos Interface	10-210	-	75,000	-	-	-	75,000	-	-	75,000
Fire - Tri-City Automatic Aid CAD Interface (Regional 911 Dispatch Interface)	11-210	-	-	-	50,000	-	50,000	-	-	50,000
Information Technology Help Desk/Service Desk Software Replacement	11-200	71,000	-	-	-	-	71,000	254,043	-	325,043
Jail - Data Center	12-210	-	100,000	-	-	-	100,000	-	-	100,000
Laserfische Upgrade	13-210	-	100,000	-	-	-	100,000	-	-	100,000
Library - Cisco Telepresence Refresh	05-200	-	-	83,160	-	-	83,160	-	-	83,160
Library - Integrated Library System (ILS) Hosting	06-200	-	-	-	175,000	-	175,000	-	-	175,000

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ESTIMATED COST REQUIREMENTS**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Library - Switch/Router Refresh	07-200	-	150,000	-	-	-	150,000	-	-	150,000
Library - Tablet Lending System	08-200	30,000	30,000	-	-	-	60,000	-	-	60,000
Library - Technology Upgrade/Replacement Phase II	13-190	26,590	-	-	-	-	26,590	205,855	-	232,445
Replace Existing PBX Telephone System with VoIP	14-210	-	-	835,000	435,000	85,000	1,355,000	-	-	1,355,000
Replacement of Network Equipment	15-210	140,000	140,000	160,000	-	-	440,000	-	-	440,000
Sheriff - Automated Rounds Software	16-210	120,000	-	-	-	-	120,000	-	-	120,000
Information Technology Total		522,590	1,501,225	1,078,160	660,000	220,000	3,981,975	589,898	-	4,571,873
Parks, Recreation & Tourism										
ADA Facility Compliance	22-190	75,000	75,000	75,000	75,000	75,000	375,000	150,000	225,000	750,000
Athletic Field Improvements	16-190	380,000	380,000	380,000	380,000	380,000	1,900,000	760,000	1,900,000	4,560,000
Ballahack Rd. Boat Ramp Area Improvement Project	43-200	-	-	-	-	-	-	359,791	-	359,791
Chesapeake Arboretum	17-210	-	-	500,000	500,000	-	1,000,000	-	-	1,000,000
Commonwealth/Seaboard Multi-City Rail Trail (Western Branch Rail to Trail)	18-210	300,000	-	-	-	-	300,000	-	550,000	850,000
Conference Center Renovation	12-200	760,000	780,000	-	-	-	1,540,000	505,000	-	2,045,000
Dismal Swamp Canal Trail - Phase III (Renovation, Restroom, Parking Lot)	19-210	353,791	-	-	-	-	353,791	-	452,000	805,791
Elizabeth River Park Fishing Pier	19-191	-	-	-	-	-	-	75,000	-	75,000
Facility Improvements on Recreational Buildings	19-190	300,000	300,000	300,000	300,000	300,000	1,500,000	581,250	2,400,000	4,481,250
Open Space and Recreation Funding Projects	47-200	1,150,000	1,000,000	650,000	1,125,000	1,000,000	4,925,000	785,000	-	5,710,000
Park Program Improvements	18-190	300,000	300,000	300,000	300,000	300,000	1,500,000	555,780	2,400,000	4,455,780
Parking Lot Improvements	21-190	90,000	90,000	90,000	90,000	90,000	450,000	180,000	270,000	900,000

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ESTIMATED COST REQUIREMENTS**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Security Improvements - Parks & Recreation	24-190	40,000	40,000	40,000	40,000	40,000	200,000	80,000	120,000	400,000
Western Branch Trail Renovation	13-200	-	600,000	-	-	-	600,000	-	-	600,000
Parks, Recreation & Tourism Total		3,748,791	3,565,000	2,335,000	2,810,000	2,185,000	14,643,791	4,031,821	8,317,000	26,992,612
Public Safety										
Deep Creek Fire Station #8 - Relocate	27-190	640,464	4,696,739	-	-	-	5,337,203	-	-	5,337,203
Dock Landing Fire Station #11 - Replace	28-190	-	-	640,500	5,750,836	-	6,391,336	-	-	6,391,336
Fire - Mobile Radio Repeaters	20-210	-	63,485	-	-	-	63,485	-	-	63,485
Fire - Self Contained Breathing Apparatus Replacement	16-200	-	2,046,150	-	-	-	2,046,150	-	-	2,046,150
Fire - Thermal Imaging Cameras	14-200	-	324,000	-	-	-	324,000	-	-	324,000
Fire - Vehicle Replacement	39-200	750,000	750,000	1,500,000	1,500,000	1,500,000	6,000,000	750,000	7,500,000	14,250,000
Jail - Intercom System Digital Conversion	21-210	470,000	-	-	-	-	470,000	-	-	470,000
Jail - Kitchen Equipment Replacement	22-210	76,000	60,000	60,000	-	-	196,000	-	-	196,000
Jail - Laundry Equipment Replacement	23-210	145,000	-	-	-	-	145,000	-	-	145,000
Jail - PLC System Replacement & Upgrade	24-210	377,000	-	-	-	-	377,000	-	-	377,000
Jail - Surveillance System Digital Conversion & Additional Cameras	25-210	75,000	-	647,000	-	-	722,000	-	-	722,000
Jail and Sheriff HQ - Renewal and Replacements	26-210	370,000	265,000	290,000	270,000	610,000	1,805,000	-	-	1,805,000
Police - Command Bus Replacement	27-210	303,077	-	-	-	-	303,077	-	-	303,077
Police - Electronic Summons	28-210	-	200,000	-	-	-	200,000	-	-	200,000
Police - Fingerprint Readers	29-210	-	-	100,000	-	-	100,000	-	-	100,000
Public Safety Total		3,206,541	8,405,374	3,237,500	7,520,836	2,110,000	24,480,251	750,000	7,500,000	32,730,251

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ESTIMATED COST REQUIREMENTS**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Public Utilities										
Automated Meter Reading Equipment and Software	53-120	-	-	-	-	4,000,000	4,000,000	1,399,624	8,600,000	13,999,624
Centerville Turnpike Loop 3	43-120	-	500,000	7,074,617	-	-	7,574,617	-	-	7,574,617
Deep Creek Pump Station Upgrade	20-140	-	-	-	-	-	-	232,127	1,878,123	2,110,250
Force Main Replacement: Dominion Blvd. and I-64	34-200	2,000,000	2,238,700	-	-	-	4,238,700	1,000,000	-	5,238,700
Gravity Sewer Renewal: Bainbridge Blvd. Basin (HRSD Project Area)	16-170	-	-	-	-	-	-	-	5,000,000	5,000,000
Lake Gaston WTP - Membrane Replacement - Phase II	21-130	-	-	-	2,200,000	-	2,200,000	1,758,385	-	3,958,385
Lake Gaston WTP - Miscellaneous Modifications	37-200	620,000	500,000	500,000	500,000	-	2,120,000	1,750,000	-	3,870,000
Lake Gaston WTP - Strategic Treatment and Facility Development Plan	38-200	-	-	-	-	-	-	1,000,000	20,000,000	21,000,000
Military Hwy. - 36" Water Main	38-120	1,323,000	-	-	-	-	1,323,000	2,627,000	-	3,950,000
Norfolk Highlands Elevated Tank Rehabilitation	28-200	-	-	-	-	-	-	-	925,000	925,000
Northwest River WTP - Membrane Replacement - Phase III	01-090	-	-	-	1,625,000	-	1,625,000	400,000	-	2,025,000
Northwest River WTP - Miscellaneous Modifications	19-130	-	1,000,000	500,000	500,000	-	2,000,000	7,175,000	1,750,000	10,925,000
Northwest River WTP - Replace Bulk Chemical Storage Tanks	30-200	900,000	-	-	-	-	900,000	300,000	-	1,200,000
Northwest River WTP - Replace Ground Storage Tank	29-200	-	-	-	-	2,000,000	2,000,000	-	-	2,000,000
Northwest River WTP - Riverbank Filtration System	36-200	-	-	-	-	-	-	-	175,000	175,000
Public Utilities CIS Upgrade	30-210	-	100,000	-	-	-	100,000	-	-	100,000
Raw Water Transmission Main	39-120	-	3,500,000	3,500,000	-	-	7,000,000	15,575,000	-	22,575,000
Sanitary Force Main: Volvo Parkway	31-210	-	-	-	-	-	-	-	400,000	400,000
Sewer and Water Renewal: Elbyrne Dr.	23-170	-	-	2,155,000	-	-	2,155,000	-	-	2,155,000

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ESTIMATED COST REQUIREMENTS**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Sewer Management Operations & Maintenance	13-160	1,000,000	1,000,000	1,500,000	1,500,000	2,000,000	7,000,000	2,000,000	25,000,000	34,000,000
Sewer Pump Station Safety Improvements	35-200	500,000	500,000	500,000	500,000	500,000	2,500,000	500,000	-	3,000,000
Sewer Renewal: Additional Consent Order Capital Requirement	05-180	1,200,000	2,000,000	4,000,000	4,000,000	5,000,000	16,200,000	3,061,609	263,000,000	282,261,609
Sewer Renewal: Liberty St. (500 Block to Collingswood Ave.)	26-170	129,867	-	-	-	-	129,867	1,389,259	-	1,519,126
Sewer Renewal: Raleigh Place (Pump Station #7 Basin)	33-170	-	-	-	600,000	3,800,000	4,400,000	-	-	4,400,000
Sewer Renewal: Westwood Ave. and Redstart Ave.	42-170	1,106,000	-	-	-	-	1,106,000	-	-	1,106,000
Sewer Replacement: Orville Ave. Alleyway (Bainbridge to Seaboard)	31-170	-	1,351,000	-	-	-	1,351,000	-	-	1,351,000
Unserved Areas/Cost Participation - Phase II	25-200	1,483,300	85,500	769,500	-	-	2,338,300	164,900	-	2,503,200
Water & Sewer Pump Station Telemetry Installation and Upgrade	32-210	400,000	-	-	-	-	400,000	-	-	400,000
Water Control Laboratory - Upgrade HVAC	26-200	480,000	-	-	-	-	480,000	-	-	480,000
Water Production Security System Upgrades	31-200	-	-	-	-	-	-	-	200,000	200,000
Water Renewals: Waterline Upgrades - Phase II	14-160	-	750,000	1,000,000	1,000,000	-	2,750,000	1,500,000	5,750,000	10,000,000
Water Residuals Disposal	32-200	-	-	320,000	-	-	320,000	-	-	320,000
Water System Planning and Upgrades	33-210	400,000	250,000	250,000	250,000	250,000	1,400,000	-	-	1,400,000
Water Treatment Plant Control System Upgrade	27-200	820,000	-	-	-	-	820,000	-	-	820,000
Western Branch Elevated Tank Rehabilitation	33-200	-	-	-	1,200,000	-	1,200,000	-	-	1,200,000
Public Utilities Total		12,362,167	13,775,200	22,069,117	13,875,000	17,550,000	79,631,484	41,832,904	332,678,123	454,142,511

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ESTIMATED COST REQUIREMENTS**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Storm Water										
BMP Restoration Citywide	73-120	300,000	200,000	400,000	300,000	300,000	1,500,000	1,400,000	-	2,900,000
Citywide Outfall Re-Grading and Restoration	03-160	200,000	100,000	150,000	150,000	100,000	700,000	820,000	-	1,520,000
Citywide System Rehab	43-170	400,000	500,000	500,000	500,000	300,000	2,200,000	1,500,000	-	3,700,000
Citywide Undesignated Drainage - Phase III	07-150	50,000	50,000	100,000	100,000	100,000	400,000	506,347	-	906,347
Historical Data Cleanup Grant (DEQ)	05-141	-	-	-	-	-	-	43,500	-	43,500
Liberty St. Drainage System Replacement & Upgrade	34-210	-	-	-	-	1,500,000	1,500,000	-	-	1,500,000
Major Equipment Purchases - PW Stormwater Division	07-180	700,000	700,000	710,000	755,000	770,000	3,635,000	3,974,000	-	7,609,000
Master Drainage Improvements II	40-210	1,908,000	-	-	-	-	1,908,000	-	-	1,908,000
Neighborhood Drainage Improvements - Phase II	08-150	500,000	570,000	650,000	750,000	500,000	2,970,000	1,824,600	-	4,794,600
Oakdale Area BMP and Drainage Improvements	09-150	500,000	1,500,000	2,000,000	1,000,000	-	5,000,000	-	-	5,000,000
Shillelagh Rd. Drainage Outfall Improvements	77-120	1,100,000	-	-	-	-	1,100,000	2,000,000	-	3,100,000
Stormwater Mapping & Master Drainage Plan III	10-150	200,000	100,000	200,000	200,000	200,000	900,000	300,000	-	1,200,000
Stormwater Quality Program - Phase II	11-150	2,000,000	2,000,000	1,500,000	2,500,000	2,500,000	10,500,000	340,565	-	10,840,565
Welch Ln. Drainage Improvements	19-200	-	480,000	-	-	-	480,000	-	-	480,000
Whittamore Rd. Outfall Improvements	20-200	300,000	-	-	-	-	300,000	-	-	300,000
Storm Water Total		8,158,000	6,200,000	6,210,000	6,255,000	6,270,000	33,093,000	12,709,012	-	45,802,012

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ESTIMATED COST REQUIREMENTS**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Transportation										
22nd Street Bridge Replacement	21-120	12,300,000	-	-	-	-	12,300,000	6,049,300	-	18,349,300
Chesapeake Expressway Administration Building Modifications	46-200	-	-	-	-	-	-	350,000	-	350,000
Chesapeake Transportation System Renewals - Phase II	35-210	883,000	1,407,850	90,000	53,700	-	2,434,550	-	8,300,000	10,734,550
Deep Creek AIW Bridge Replacement	08-180	-	44,000,000	-	-	-	44,000,000	1,500,000	-	45,500,000
Freeman Ave. Railroad Overpass	09-180	-	-	-	-	-	-	75,000	25,425,000	25,500,000
Mt. Pleasant Rd. Widening	36-210	800,000	1,500,000	-	-	-	2,300,000	-	-	2,300,000
Mullen Road Connector	13-180	-	-	-	-	-	-	2,000,000	-	2,000,000
Non-Arterial Street Repaving	07-190	4,150,000	1,000,000	4,000,000	4,000,000	4,000,000	17,150,000	2,000,000	-	19,150,000
Repair & Maintenance Roads and Bridges - Phase IV	37-210	460,000	1,500,000	-	-	-	1,960,000	-	-	1,960,000
Right Turn Lane and Signal Modification: Woodlake Dr. at Greenbrier Pkwy.	38-210	300,000	695,000	-	-	-	995,000	-	-	995,000
Rural Roads Safety Improvement Program	41-210	1,000,000	250,000	350,000	450,000	500,000	2,550,000	-	-	2,550,000
Traffic Signal and Intersection Improvements: Butts Station Rd. at	39-210	420,000	-	-	-	-	420,000	-	-	420,000
VDOT Primary Ext. Grant - Atlantic Ave. and Airline Blvd. Resurfacing	44-200	-	-	-	-	-	-	1,000,000	-	1,000,000
Transportation Total		20,313,000	50,352,850	4,440,000	4,503,700	4,500,000	84,109,550	12,974,300	33,725,000	130,808,850
Total Resources		68,826,724	108,007,149	76,128,777	62,499,536	83,615,000	399,077,186	127,808,242	427,502,923	954,388,351

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Cash - GF Transfer										
Athletic Field Improvements	16-190	-	-	-	-	-	-	660,000	-	660,000
Deep Creek AIW Bridge Replacement	08-180	-	-	-	-	-	-	500,000	-	500,000
Elizabeth River Park Fishing Pier	19-191	-	-	-	-	-	-	18,750	-	18,750
Facilities - High Priority Renewal and Replacements - Phase III	02-150	-	-	-	-	-	-	2,400,000	-	2,400,000
Facility Improvements on Recreational Buildings	19-190	-	-	-	-	-	-	581,250	-	581,250
Freeman Ave. Railroad Overpass	09-180	-	-	-	-	-	-	75,000	-	75,000
Library - Technology Upgrade/Replacement Phase II	13-190	-	-	-	-	-	-	205,855	-	205,855
Municipal Parking Lots and Sidewalks II	04-150	-	-	-	-	-	-	600,000	-	600,000
Non-routine Renewal & Replacement Projects - Schools	03-180	-	-	-	-	-	-	1,000,000	-	1,000,000
Park Program Improvements	18-190	-	-	-	-	-	-	555,780	-	555,780
Parking Lot Improvements	21-190	-	-	-	-	-	-	180,000	-	180,000
Security Improvements - Parks & Recreation	24-190	-	-	-	-	-	-	80,000	-	80,000
Cash - GF Transfer Total		-	-	-	-	-	-	6,856,635	-	6,856,635
Cash - Lockbox City										
ADA Door & Restroom Retrofits at Various Facilities - Phase I	21-200	220,000	-	-	-	-	220,000	220,000	-	440,000
ADA Facility Compliance	22-190	75,000	75,000	75,000	75,000	75,000	375,000	150,000	225,000	750,000
Athletic Field Improvements	16-190	380,000	380,000	380,000	380,000	380,000	1,900,000	100,000	1,900,000	3,900,000

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Chesapeake Arboretum	17-210	-	-	500,000	500,000	-	1,000,000	-	-	1,000,000
Deep Creek Fire Station #8 - Relocate	27-190	640,464	-	-	-	-	640,464	-	-	640,464
Enterprise KRONOS Upgrade - Phase II	09-170	135,000	-	-	-	135,000	270,000	-	-	270,000
Facilities - High Priority Renewal and Replacements - Phase III	02-150	2,095,000	1,675,000	1,745,000	2,175,000	2,580,000	10,270,000	1,355,000	-	11,625,000
Facility Improvements on Recreational Buildings	19-190	300,000	300,000	300,000	300,000	300,000	1,500,000	-	2,400,000	3,900,000
Fentress Encroachment Protection	10-190	1,600,000	-	-	-	-	1,600,000	1,100,000	-	2,700,000
Fire - Self Contained Breathing Apparatus Replacement	16-200	-	2,046,150	-	-	-	2,046,150	-	-	2,046,150
Fire - Thermal Imaging Cameras	14-200	-	324,000	-	-	-	324,000	-	-	324,000
Fire - Vehicle Replacement	39-200	750,000	-	-	-	-	750,000	-	-	750,000
Library - Automated Materials Handling System	12-190	-	-	-	-	-	-	-	482,800	482,800
Library - Cisco Telepresence Refresh	05-200	-	-	83,160	-	-	83,160	-	-	83,160
Library - Integrated Library System (ILS) Hosting	06-200	-	-	-	175,000	-	175,000	-	-	175,000
Library - Switch/Router Refresh	07-200	-	150,000	-	-	-	150,000	-	-	150,000
Library - Tablet Lending System	08-200	30,000	30,000	-	-	-	60,000	-	-	60,000
Library - Technology Upgrade/Replacement Phase II	13-190	26,590	-	-	-	-	26,590	-	-	26,590
Municipal Parking Lots and Sidewalks II	04-150	-	200,000	200,000	200,000	200,000	800,000	200,000	-	1,000,000
Non-Arterial Street Repaving	07-190	1,000,000	1,000,000	-	-	-	2,000,000	-	-	2,000,000
Park Program Improvements	18-190	300,000	300,000	300,000	300,000	300,000	1,500,000	-	2,400,000	3,900,000

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Parking Lot Improvements	21-190	90,000	90,000	90,000	90,000	90,000	450,000	-	270,000	720,000
Public Works/Public Utilities Operating Facilities Relocation	01-150	-	-	-	-	1,000,000	1,000,000	-	-	1,000,000
Security Improvements - Parks & Recreation	24-190	40,000	40,000	40,000	40,000	40,000	200,000	-	120,000	320,000
Tidewater Community College - Science/Engineering Building	40-200	-	1,500,000	-	-	-	1,500,000	-	-	1,500,000
Western Branch Trail Renovation	13-200	-	600,000	-	-	-	600,000	-	-	600,000
Cash - Lockbox City Total		7,682,054	8,710,150	3,713,160	4,235,000	5,100,000	29,440,364	3,125,000	7,797,800	40,363,164
Cash - Lockbox Schools										
Full Day Kindergarten	05-210	160,000	-	-	-	-	160,000	-	-	160,000
Non-routine Renewal & Replacement Projects - Schools	03-180	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	17,500,000	10,351,093	14,000,000	41,851,093
Oscar Smith High School - Building Addition	06-210	915,900	80,500	-	-	-	996,400	-	-	996,400
School Bus - Replacement	29-190	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	2,000,000	5,000,000	12,000,000
School Technology - Replacement	30-190	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	2,000,000	5,000,000	12,000,000
Cash - Lockbox Schools Total		6,575,900	5,580,500	5,500,000	5,500,000	5,500,000	28,656,400	14,351,093	24,000,000	67,007,493
Cash - Other City Funds										
Ballahack Rd. Boat Ramp Area Improvement Project	43-200	-	-	-	-	-	-	70,758	-	70,758
Fentress Encroachment Protection	10-190	-	-	-	-	-	-	666,133	-	666,133
Cash - Other City Funds Total		-	-	-	-	-	-	736,891	-	736,891

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Cash - South Norfolk TIF										
22nd Street Bridge Replacement	21-120	2,316,247	-	-	-	-	2,316,247	6,049,300	-	8,365,547
22nd Street Commercial Site Preparation (SoNo TIF)	45-200	-	-	-	-	-	-	50,000	-	50,000
Cash - South Norfolk TIF Total		2,316,247	-	-	-	-	2,316,247	6,099,300	-	8,415,547
Cash - Stormwater										
BMP Restoration Citywide	73-120	300,000	200,000	400,000	300,000	300,000	1,500,000	1,400,000	-	2,900,000
Citywide Outfall Re-Grading and Restoration	03-160	200,000	100,000	150,000	150,000	100,000	700,000	820,000	-	1,520,000
Citywide System Rehab	43-170	400,000	500,000	500,000	500,000	300,000	2,200,000	1,500,000	-	3,700,000
Citywide Undesignated Drainage - Phase III	07-150	50,000	50,000	100,000	100,000	100,000	400,000	506,347	-	906,347
Historical Data Cleanup Grant (DEQ)	05-141	-	-	-	-	-	-	18,500	-	18,500
Liberty St. Drainage System Replacement & Upgrade	34-210	-	-	-	-	1,500,000	1,500,000	-	-	1,500,000
Major Equipment Purchases - PW Stormwater Division	07-180	-	-	-	-	-	-	3,974,000	-	3,974,000
Neighborhood Drainage Improvements - Phase II	08-150	500,000	570,000	650,000	750,000	500,000	2,970,000	1,824,600	-	4,794,600
Oakdale Area BMP and Drainage Improvements	09-150	500,000	1,500,000	2,000,000	1,000,000	-	5,000,000	-	-	5,000,000
Shillelagh Rd. Drainage Outfall Improvements	77-120	1,100,000	-	-	-	-	1,100,000	2,000,000	-	3,100,000
Stormwater Mapping and Master Drainage Plan Phase III	10-150	200,000	100,000	200,000	200,000	200,000	900,000	300,000	-	1,200,000
Stormwater Quality Program - Phase II	11-150	2,000,000	2,000,000	1,500,000	2,500,000	2,500,000	10,500,000	340,565	-	10,840,565
Welch Ln. Drainage Improvements	19-200	-	480,000	-	-	-	480,000	-	-	480,000
Whittamore Rd. Outfall Improvements	20-200	300,000	-	-	-	-	300,000	-	-	300,000
Cash - Stormwater Total		5,550,000	5,500,000	5,500,000	5,500,000	5,500,000	27,550,000	12,684,012	-	40,234,012

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Cash - Utilities										
Automated Meter Reading Equipment and Software	53-120	-	-	-	-	4,000,000	4,000,000	1,399,624	8,600,000	13,999,624
Deep Creek Pump Station Upgrade	20-140	-	-	-	-	-	-	232,127	1,878,123	2,110,250
Gravity Sewer Renewal: Bainbridge Blvd. Basin (HRSD Project Area)	16-170	-	-	-	-	-	-	-	5,000,000	5,000,000
Lake Gaston WTP - Membrane Replacement - Phase II	21-130	-	-	-	2,200,000	-	2,200,000	1,758,385	-	3,958,385
Lake Gaston WTP - Miscellaneous Modifications	37-200	620,000	500,000	500,000	500,000	-	2,120,000	1,750,000	-	3,870,000
Military Hwy. - 36" Water Main	38-120	1,323,000	-	-	-	-	1,323,000	254,623	-	1,577,623
Norfolk Highlands Elevated Tank Rehabilitation	28-200	-	-	-	-	-	-	-	925,000	925,000
Northwest River WTP - Membrane Replacement - Phase III	01-090	-	-	-	1,625,000	-	1,625,000	400,000	-	2,025,000
Northwest River WTP - Miscellaneous Modifications	19-130	-	1,000,000	500,000	500,000	-	2,000,000	2,177,445	1,750,000	5,927,445
Northwest River WTP - Replace Bulk Chemical Storage Tanks	30-200	900,000	-	-	-	-	900,000	-	-	900,000
Northwest River WTP - Replace Ground Storage Tank	29-200	-	-	-	-	-	-	-	-	-
Northwest River WTP - Riverbank Filtration System	36-200	-	-	-	-	-	-	-	175,000	175,000
Public Utilities CIS Upgrade	30-210	-	100,000	-	-	-	100,000	-	-	100,000
Raw Water Transmission Main	39-120	-	-	-	-	-	-	15,575,000	-	15,575,000
Sanitary Force Main: Volvo Parkway	31-210	-	-	-	-	-	-	-	400,000	400,000
Sewer and Water Renewal: Elbyrne Dr.	23-170	-	-	2,155,000	-	-	2,155,000	-	-	2,155,000
Sewer Management Operations & Maintenance	13-160	1,000,000	1,000,000	1,500,000	1,500,000	2,000,000	7,000,000	2,000,000	25,000,000	34,000,000
Sewer Pump Station Safety Improvements	35-200	500,000	500,000	500,000	500,000	500,000	2,500,000	500,000	-	3,000,000
Sewer Renewal: Additional Consent Order Capital Requirement	05-180	1,200,000	2,000,000	4,000,000	4,000,000	5,000,000	16,200,000	61,609	-	16,261,609

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Sewer Renewal: Liberty St. (500 Block to Collingswood Ave.)	26-170	129,867	-	-	-	-	129,867	-	-	129,867
Sewer Renewal: Raleigh Place (Pump Station #7 Basin)	33-170	-	-	-	600,000	3,800,000	4,400,000	-	-	4,400,000
Sewer Renewal: Westwood Ave. and Redstart Ave.	42-170	1,106,000	-	-	-	-	1,106,000	-	-	1,106,000
Sewer Replacement: Orville Ave. Alleyway (Bainbridge to Seaboard)	31-170	-	1,351,000	-	-	-	1,351,000	-	-	1,351,000
Water & Sewer Pump Station Telemetry Installation and Upgrade	32-210	400,000	-	-	-	-	400,000	-	-	400,000
Water Control Laboratory - Upgrade HVAC	26-200	480,000	-	-	-	-	480,000	-	-	480,000
Water Production Security System Upgrades	31-200	-	-	-	-	-	-	-	200,000	200,000
Water Renewals: Waterline Upgrades - Phase II	14-160	-	-	-	500,000	-	500,000	1,500,000	3,250,000	5,250,000
Water Residuals Disposal	32-200	-	-	320,000	-	-	320,000	-	-	320,000
Water System Planning and Upgrades	33-210	400,000	250,000	250,000	250,000	250,000	1,400,000	-	-	1,400,000
Water Treatment Plant Control System Upgrade	27-200	820,000	-	-	-	-	820,000	-	-	820,000
Western Branch Elevated Tank Rehabilitation	33-200	-	-	-	1,200,000	-	1,200,000	-	-	1,200,000
Cash - Utilities Total		8,878,867	6,701,000	9,725,000	13,375,000	15,550,000	54,229,867	27,608,813	47,178,123	129,016,803
Fund Balance - Capital Projects Fund										
Library - Automated Materials Handling System	12-190	-	-	-	-	-	-	1,192	-	1,192
Open Space and Recreation Funding Projects	47-200	1,150,000	1,000,000	650,000	1,125,000	1,000,000	4,925,000	-	-	4,925,000
Oscar Smith High School - Building Addition	06-210	-	2,488,000	-	-	-	2,488,000	-	-	2,488,000
Right Turn Lane and Signal Modification: Woodlake Dr. at Greenbrier Pkwy.	38-210	300,000	695,000	-	-	-	995,000	-	-	995,000
Social Services Building Restroom Renovation	04-210	100,000	-	-	-	-	100,000	-	-	100,000
Fund Balance - Capital Projects Fund Total		1,550,000	4,183,000	650,000	1,125,000	1,000,000	8,508,000	1,192	-	8,509,192

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Fund Balance - CTS										
Chesapeake Expressway Administration Building Modifications	46-200	-	-	-	-	-	-	350,000	-	350,000
Chesapeake Transportation System Renewals - Phase II	35-210	883,000	1,407,850	90,000	53,700	-	2,434,550	-	8,300,000	10,734,550
Fund Balance - CTS Total		883,000	1,407,850	90,000	53,700	-	2,434,550	350,000	8,300,000	11,084,550
Fund Balance - General Fund										
CAD Interface between Sheriff and Police	07-210	-	606,225	-	-	-	606,225	-	-	606,225
Deep Creek AIW Bridge Replacement	08-180	-	-	-	-	-	-	1,000,000	-	1,000,000
Enterprise Wide Technology III	08-210	-	250,000	-	-	-	250,000	-	-	250,000
Fentress Encroachment Protection	10-190	500,000	-	-	-	-	500,000	2,380,000	-	2,880,000
Fire - Mobile Radio Repeaters	20-210	-	63,485	-	-	-	63,485	-	-	63,485
Fire - NWS Inspections CAD Interface	09-210	-	-	-	-	-	-	-	-	-
Fire - Telestaff Kronos Interface	10-210	-	75,000	-	-	-	75,000	-	-	75,000
Fire - Tri-City Automatic Aid CAD Interface (Regional 911 Dispatch Interface)	11-210	-	-	-	50,000	-	50,000	-	-	50,000
Full Day Kindergarten	05-210	2,370,235	-	-	-	-	2,370,235	-	-	2,370,235
Jail - Data Center	12-210	-	100,000	-	-	-	100,000	-	-	100,000
Jail - Intercom System Digital Conversion	21-210	470,000	-	-	-	-	470,000	-	-	470,000
Jail - Kitchen Equipment Replacement	22-210	76,000	60,000	60,000	-	-	196,000	-	-	196,000
Jail - Laundry Equipment Replacement	23-210	145,000	-	-	-	-	145,000	-	-	145,000
Jail - PLC System Replacement & Upgrade	24-210	377,000	-	-	-	-	377,000	-	-	377,000
Jail - Surveillance System Digital Conversion & Additional Cameras	25-210	75,000	-	647,000	-	-	722,000	-	-	722,000

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Jail and Sheriff HQ - Renewal and Replacements	26-210	370,000	265,000	290,000	270,000	610,000	1,805,000	-	-	1,805,000
Laserfische Upgrade	13-210	-	100,000	-	-	-	100,000	-	-	100,000
Library - Customer Service Desk Replacements	02-210	104,500	39,000	39,000	-	-	182,500	-	-	182,500
Mt. Pleasant Rd. Widening	36-210	800,000	1,500,000	-	-	-	2,300,000	-	-	2,300,000
Mullen Road Connector	13-180	-	-	-	-	-	-	2,000,000	-	2,000,000
Non-Arterial Street Repaving	07-190	3,150,000	-	2,000,000	2,000,000	2,000,000	9,150,000	1,000,000	-	10,150,000
Police - Command Bus Replacement	27-210	303,077	-	-	-	-	303,077	-	-	303,077
Police - Electronic Summons	28-210	-	200,000	-	-	-	200,000	-	-	200,000
Police - Fingerprint Readers	29-210	-	-	100,000	-	-	100,000	-	-	100,000
Repair & Maintenance Roads and Bridges - Phase IV	37-210	460,000	1,500,000	-	-	-	1,960,000	-	-	1,960,000
Rural Roads Safety Improvement Program	41-210	1,000,000	250,000	350,000	450,000	500,000	2,550,000	-	-	2,550,000
Sheriff - Automated Rounds Software	16-210	120,000	-	-	-	-	120,000	-	-	120,000
Traffic Signal and Intersection Improvements: Butts Station Rd. at Centerville Tpke.	39-210	420,000	-	-	-	-	420,000	-	-	420,000
Fund Balance - General Fund Total		10,740,812	5,008,710	3,486,000	2,770,000	3,110,000	25,115,522	6,380,000	-	31,495,522
Fund Balance - IT										
Enterprise KRONOS Upgrade - Phase II	09-170	-	-	-	-	-	-	130,000	-	130,000
Information Technology Help Desk/Service Desk Software Replacement	11-200	71,000	-	-	-	-	71,000	254,043	-	325,043
Replace Existing PBX Telephone System with VoIP	14-210	-	-	835,000	435,000	85,000	1,355,000	-	-	1,355,000
Replacement of Network Equipment	15-210	140,000	140,000	160,000	-	-	440,000	-	-	440,000
Fund Balance - IT Total		211,000	140,000	995,000	435,000	85,000	1,866,000	384,043	-	2,250,043

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Fund Balance - Other Funds										
CIBH - Parking Addition	01-210	350,000	-	-	-	-	350,000	-	-	350,000
Conference Center Renovation	12-200	760,000	780,000	-	-	-	1,540,000	505,000	-	2,045,000
Fire - NWS Inspections CAD Interface	09-210	-	50,000	-	-	-	50,000	-	-	50,000
Master Drainage Improvements II	40-210	1,908,000	-	-	-	-	1,908,000	-	-	1,908,000
Open Space and Recreation Funding Projects	47-200	-	-	-	-	-	-	785,000	-	785,000
Police - Command Bus Replacement	27-210	-	-	-	-	-	-	-	-	-
Fund Balance - Other Funds Total		3,018,000	830,000	-	-	-	3,848,000	1,290,000	-	5,138,000
Fund Balance - Stormwater										
Major Equipment Purchases - PW Stormwater Division	07-180	700,000	700,000	710,000	755,000	770,000	3,635,000	-	-	3,635,000
Fund Balance - Stormwater Total		700,000	700,000	710,000	755,000	770,000	3,635,000	-	-	3,635,000
G.O. Debt - City										
Deep Creek AIW Bridge Replacement	08-180	-	12,000,000	-	-	-	12,000,000	-	-	12,000,000
Deep Creek Fire Station #8 - Relocate	27-190	-	4,696,739	-	-	-	4,696,739	-	-	4,696,739
Dock Landing Fire Station #11 - Replace	28-190	-	-	640,500	5,750,836	-	6,391,336	-	-	6,391,336
Public Works/Public Utilities Operating Facilities Relocation	01-150	-	-	-	-	13,500,000	13,500,000	9,700,000	-	23,200,000
Solid Waste Facilities Relocation	02-160	-	-	-	-	-	-	2,170,000	3,300,000	5,470,000
Voting Equipment	02-200	-	-	-	-	-	-	-	1,500,000	1,500,000
G.O. Debt - City Total		-	16,696,739	640,500	5,750,836	13,500,000	36,588,075	11,870,000	4,800,000	53,258,075

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
G.O. Debt - Greenbrier TIF										
Greenbrier Commercial District Improvements	03-170	-	-	-	-	16,000,000	16,000,000	-	-	16,000,000
G.O. Debt - Greenbrier TIF Total		-	-	-	-	16,000,000	16,000,000	-	-	16,000,000
G.O. Debt - Short Term Financing										
Facilities - High Priority Renewal and Replacements - Phase III	02-150	-	500,000	-	-	-	500,000	1,155,000	-	1,655,000
Fire - Thermal Imaging Cameras	14-200	-	-	-	-	-	-	-	-	-
Fire - Vehicle Replacement	39-200	-	750,000	1,500,000	1,500,000	1,500,000	5,250,000	750,000	7,500,000	13,500,000
Library - Automated Materials Handling System	12-190	-	-	-	-	-	-	425,756	-	425,756
G.O. Debt - Short Term Financing Total		-	1,250,000	1,500,000	1,500,000	1,500,000	5,750,000	2,330,756	7,500,000	15,580,756
G.O. Debt - South Norfolk TIF										
22nd Street Bridge Replacement	21-120	6,000,000	-	-	-	-	6,000,000	-	-	6,000,000
G.O. Debt - South Norfolk TIF Total		6,000,000	-	-	-	-	6,000,000	-	-	6,000,000
G.O. Debt - VPSA										
Modernization/Renovation of Schools (to be determined by School Board)	32-190	-	4,725,000	25,275,000	15,000,000	-	45,000,000	-	-	45,000,000
Non-routine Renewal & Replacement Projects - Schools	03-180	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	20,000,000	9,000,000	16,000,000	45,000,000
G.O. Debt - VPSA Total		4,000,000	8,725,000	29,275,000	19,000,000	4,000,000	65,000,000	9,000,000	16,000,000	90,000,000
Grant										
Ballahack Rd. Boat Ramp Area Improvement Project	43-200	-	-	-	-	-	-	289,033	-	289,033
Commonwealth/Seaboard Multi-City Rail Trail (Western Branch Rail to Trail)	18-210	300,000	-	-	-	-	300,000	-	550,000	850,000
Deep Creek AIW Bridge Replacement	08-180	-	22,000,000	-	-	-	22,000,000	-	-	22,000,000

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Dismal Swamp Canal Trail - Phase III (Renovation, Restroom, Parking Lot)	19-210	353,791	-	-	-	-	353,791	-	452,000	805,791
Elizabeth River Park Fishing Pier	19-191	-	-	-	-	-	-	56,250	-	56,250
Fentress Encroachment Protection	10-190	2,100,000	-	-	-	-	2,100,000	4,146,133	-	6,246,133
Freeman Ave. Railroad Overpass	09-180	-	-	-	-	-	-	-	25,425,000	25,425,000
Historical Data Cleanup Grant (DEQ)	05-141	-	-	-	-	-	-	25,000	-	25,000
VDOT Primary Ext. Grant - Atlantic Ave. and Airline Blvd. Resurfacing	44-200	-	-	-	-	-	-	1,000,000	-	1,000,000
Grant Total		2,753,791	22,000,000	-	-	-	24,753,791	5,516,416	26,427,000	56,697,207
Proffers										
Library - Russell Memorial Parking Addition	03-210	500,000	-	-	-	-	500,000	-	-	500,000
Oscar Smith High School - Building Addition	06-210	-	3,500,000	-	-	-	3,500,000	-	-	3,500,000
Proffers Total		500,000	3,500,000	-	-	-	4,000,000	-	-	4,000,000
Revenue Bonds - Utility Fund										
Centerville Turnpike Loop 3	43-120	-	500,000	7,074,617	-	-	7,574,617	-	-	7,574,617
Force Main Replacement: Dominion Blvd. and I-64	34-200	2,000,000	2,238,700	-	-	-	4,238,700	1,000,000	-	5,238,700
Gravity Sewer Renewal: Bainbridge Blvd. Basin (HRSD Project Area)	16-170	-	-	-	-	-	-	-	-	-
Lake Gaston WTP - Strategic Treatment and Facility Development Plan	38-200	-	-	-	-	-	-	1,000,000	20,000,000	21,000,000
Military Hwy. - 36" Water Main	38-120	-	-	-	-	-	-	2,372,377	-	2,372,377
Northwest River WTP - Miscellaneous Modifications	19-130	-	-	-	-	-	-	4,997,555	-	4,997,555
Northwest River WTP - Replace Bulk Chemical Storage Tanks	30-200	-	-	-	-	-	-	300,000	-	300,000
Northwest River WTP - Replace Ground Storage Tank	29-200	-	-	-	-	2,000,000	2,000,000	-	-	2,000,000

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year Total	Previous Funding	Future Requirements	Project Total
Public Works/Public Utilities Operating Facilities Relocation	01-150	-	-	-	-	8,000,000	8,000,000	4,000,000	-	12,000,000
Raw Water Transmission Main	39-120	-	3,500,000	3,500,000	-	-	7,000,000	-	-	7,000,000
Sewer Management Operations & Maintenance	13-160	-	-	-	-	-	-	-	-	-
Sewer Renewal: Additional Consent Order Capital Requirement	05-180	-	-	-	-	-	-	3,000,000	263,000,000	266,000,000
Sewer Renewal: Liberty St. (500 Block to Collingswood Ave.)	26-170	-	-	-	-	-	-	1,389,259	-	1,389,259
Sewer Renewal: Raleigh Place (Pump Station #7 Basin)	33-170	-	-	-	-	-	-	-	-	-
Sewer Renewal: Westwood Ave. and Redstart Ave.	42-170	-	-	-	-	-	-	-	-	-
Sewer Replacement: Orville Ave. Alleyway (Bainbridge to Seaboard)	31-170	-	-	-	-	-	-	-	-	-
Unserviced Areas/Cost Participation - Phase II	25-200	1,483,300	85,500	769,500	-	-	2,338,300	164,900	-	2,503,200
Water Renewals: Waterline Upgrades - Phase II	14-160	-	750,000	1,000,000	500,000	-	2,250,000	-	2,500,000	4,750,000
Revenue Bonds - Utility Fund Total		3,483,300	7,074,200	12,344,117	500,000	10,000,000	33,401,617	18,224,091	285,500,000	337,125,708
VDOT Revenue Share										
22nd Street Bridge Replacement	21-120	3,983,753	-	-	-	-	3,983,753	-	-	3,983,753
Deep Creek AIW Bridge Replacement	08-180	-	10,000,000	-	-	-	10,000,000	-	-	10,000,000
Non-Arterial Street Repaving	07-190	-	-	2,000,000	2,000,000	2,000,000	6,000,000	1,000,000	-	7,000,000
VDOT Revenue Share Total		3,983,753	10,000,000	2,000,000	2,000,000	2,000,000	19,983,753	1,000,000	-	20,983,753
Total Resources		68,826,724	108,007,149	76,128,777	62,499,536	83,615,000	399,077,186	127,808,241	427,502,923	954,388,350

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2021
ANNUAL OPERATING IMPACT OF CAPITAL IMPROVEMENTS COMING ON LINE**

Project Name	Project #	FTE	Annual Wages	Annual Benefits	Other Costs	Total Annual Cost	Anticipated Revenue	Net Annual Impact
Community Facilities								
Library-Automated Materials Handling System	12-190				28,161	28,161		28,161
Public Works/Public Utilities Operating Facilities Relocation	01-150	5.4	159,000	50,000	88,000	297,000		297,000
Information Technology								
CAD Interface between Sheriff and Police	07-210				98,000	98,000	-	98,000
Sheriff - Automated Rounds Software	16-210				24,000	24,000	-	24,000
Parks, Recreation & Tourism								
Open Space and Recreation Funding Projects	47-200				30,000	30,000	3,000	27,000
Public Safety								
Police - Electronic Summons	28-210				40,000	40,000	-	40,000
Police - Fingerprint Readers	29-210				10,000	10,000	-	10,000
Public Utilities								
Centerville Turnpike Loop 3	43-120				4,906	4,906	-	4,906
Force Main Replacement: Dominion Blvd. and I-64	34-200				5,365	5,365	-	5,365
Military Hwy. - 36" Water Main	38-120				2,755	2,755	-	2,755
Public Utilities CIS Upgrade	30-210				10,000	10,000	-	10,000
Sewer Management Operations & Maintenance	13-160				4,769	4,769	-	4,769
Sewer Renewal: Additional Consent Order Capital Requirement	05-180				4,769	4,769	-	4,769
Sewer Renewal: Liberty St. (500 Block to Collingswood Ave.)	26-170				(2,800)	(2,800)	-	(2,800)
Sewer Renewal: Westwood Ave. and Redstart Ave.	42-170				(1,806)	(1,806)	-	(1,806)
Transportation								
Traffic Signal and Intersection Improvements: Butts Station Rd. at Centerville Tpke.	39-210				3,874	3,874	-	3,874
		5.40	159,000	50,000	349,993	558,993	3,000	555,993

CAPITAL IMPROVEMENT PLAN

Exhibit E

Fiscal Years 2017 - 2021

LOCKBOX RESERVES FOR FUTURE CAPITAL PROJECTS

All amounts in thousands (000)

City Lockbox	2016	2017	2018	2019	2020	2021
Opening Balance	\$ 4,674	\$ 8,185	\$ 7,434	\$ 3,920	\$ 5,188	\$ 5,977
Locked Revenue:						
Annual contribution	\$ 15,050	\$ 17,845	\$ 18,136	\$ 20,411	\$ 21,593	\$ 22,161
1¢ on real estate tax rate	2,207	2,271	2,327	2,387	2,451	2,518
Total Locked Revenue	\$ 17,257	\$ 20,116	\$ 20,463	\$ 22,798	\$ 24,043	\$ 24,679
Total Funds Available	\$ 21,931	\$ 28,301	\$ 27,897	\$ 26,718	\$ 29,231	\$ 30,656
Use of Lockbox:						
Debt service	\$ 6,018	\$ 13,185	\$ 15,267	\$ 17,817	\$ 19,019	\$ 19,754
Capital Projects Fund	7,728	7,682	8,710	3,713	4,235	5,100
Total Uses	\$ 13,746	\$ 20,867	\$ 23,977	\$ 21,530	\$ 23,254	\$ 24,854
Ending Balance	\$ 8,185	\$ 7,434	\$ 3,920	\$ 5,188	\$ 5,977	\$ 5,802

School Lockbox	2016	2017	2018	2019	2020	2021
Opening Balance	\$ 1,585	\$ 5,524	\$ 11,335	\$ 15,234	\$ 20,391	\$ 25,403
Locked Revenue:						
Annual contribution	\$ 18,006	\$ 20,801	\$ 21,092	\$ 23,367	\$ 24,589	\$ 25,197
Hotel tax - 3¢	2,000	2,150	2,372	2,439	2,488	2,537
1¢ on real estate tax rate	2,207	2,271	2,327	2,387	2,451	2,518
South Norfolk TIF	1,000	1,000	1,000	1,000	1,000	1,000
Other locked funds	-	-	-	-	-	-
Total Locked Revenue	\$ 23,213	\$ 26,222	\$ 26,791	\$ 29,193	\$ 30,527	\$ 31,251
Total Funds Available	\$ 24,798	\$ 31,746	\$ 38,125	\$ 44,427	\$ 50,918	\$ 56,654
Use of Lockbox:						
Debt service	\$ 13,137	\$ 13,836	\$ 17,311	\$ 18,536	\$ 20,015	\$ 22,656
School Operations	1,387	-	-	-	-	-
Capital Projects	4,750	6,576	5,581	5,500	5,500	5,500
Total Uses	\$ 19,274	\$ 20,412	\$ 22,891	\$ 24,036	\$ 25,515	\$ 28,156
Ending Balance	\$ 5,524	\$ 11,335	\$ 15,234	\$ 20,391	\$ 25,403	\$ 28,498

Starting in FY 2016 the non-dedicated annual contribution to the two lockboxes is increased by the annual reduction in the pre-lockbox debt service requirements. The reduction in pre-lockbox debt debt is shared equally between the City and the School lockboxes. Under this proposal, annual locked revenue increases by \$14.0 million in each lockbox between FY 2015 and FY 2020.

Starting in FY 2020, we propose increasing such contributions by one-percent each year in order to partially address inflationary impacts on capital resources.

CAPITAL IMPROVEMENT PLAN
Fiscal Years 2017 - 2021

Exhibit F

TAX INCREMENT FINANCING DISTRICTS

All Amounts are in Thousands (000)

Greenbrier	2016	2017	2018	2019	2020	2021
Fund Balance - Beginning	\$ 14,793	\$ 16,511	\$ 18,685	\$ 21,116	\$ 23,663	\$ 26,340
Revenue:						
Real estate taxes	\$ 5,508	\$ 6,173	\$ 6,296	\$ 6,422	\$ 6,550	\$ 6,648
Investment earnings	-	-	-	-	-	-
Total Revenue	\$ 5,508	\$ 6,173	\$ 6,296	\$ 6,422	\$ 6,550	\$ 6,648
Total Funds Available	\$ 20,301	\$ 22,684	\$ 24,981	\$ 27,538	\$ 30,213	\$ 32,988
Use of TIF Funds:						
Debt service	\$ 1,471	\$ 1,546	\$ 1,540	\$ 1,545	\$ 1,538	\$ 1,893
Cash funding of projects	-	-	-	-	-	-
Feasibility studies	12	6	-	-	-	-
Transfers to General Fund	2,307	2,447	2,325	2,330	2,335	2,334
Total Use of TIF Funds	\$ 3,790	\$ 3,999	\$ 3,865	\$ 3,875	\$ 3,873	\$ 4,227
Ending Fund Balance	\$ 16,511	\$ 18,685	\$ 21,116	\$ 23,663	\$ 26,340	\$ 28,761

South Norfolk	2016	2017	2018	2019	2020	2021
Fund Balance - Beginning	\$ 6,596	\$ 8,835	\$ 9,027	\$ 11,105	\$ 13,194	\$ 15,386
Revenue:						
Real estate taxes	\$ 4,070	\$ 4,323	\$ 4,409	\$ 4,497	\$ 4,587	\$ 4,656
Investment earnings	-	-	-	-	-	-
Total Revenue	\$ 4,070	\$ 4,323	\$ 4,409	\$ 4,497	\$ 4,587	\$ 4,656
Total Funds Available	\$ 10,666	\$ 13,158	\$ 13,436	\$ 15,602	\$ 17,781	\$ 20,042
Use of TIF Funds:						
Debt service	\$ 604	\$ 602	\$ 1,171	\$ 1,266	\$ 1,251	\$ 1,226
School debt - Oscar Smith MS	1,000	1,000	1,000	1,000	1,000	1,000
Cash funding of projects	-	2,316	-	-	-	-
Feasibility studies	75	50	25	5	5	5
Transfers to General Fund	152	163	135	137	139	137
Total Use of TIF Funds	\$ 1,831	\$ 4,131	\$ 2,331	\$ 2,408	\$ 2,395	\$ 2,368
Ending Fund Balance	\$ 8,835	\$ 9,027	\$ 11,105	\$ 13,194	\$ 15,386	\$ 17,674

Transfers of TIF funds to the General Fund are surplus funds that are not needed to meet TIF obligations. These include the cost to maintain improvements developed with TIF funds, support of police interdiction activities at hotels, support for the Sheriff's mowing crew in South Norfolk, and operational costs of street lights added in the two TIF districts.

Funds from the South Norfolk TIF are transferred annually to the School Lockbox to offset financing costs for the renovation of Oscar Smith Middle School. A total of \$10 million will transfer between FY 2012 and 2021.

Finally, projections indicate that \$2.0 million of surplus Greenbrier funds will be transferred to the General Fund to support operations of the city and school board.

PROFFER REPORT

This report reflects proffers received and appropriated as of June 24, 2016. As proffers are appropriated for specific capital projects, funds are transferred to the appropriate Capital Projects Fund. The table below does not reflect proffers that are proposed for use after FY 2017. Most proffers are payable when an occupancy permit is issued; therefore, a significant amount of developer proffers has not been paid since many developments are still in progress. This report also does not include proffers that have been pledged, but which have not actually been paid.

Developer Proffers for:	Amounts Received	Amounts Appropriated	Proffers Available
<i>Proffers by Service Area:</i>			
FIRE/EMERGENCY MEDICAL SVCS	1,255,532	380,465	875,066
CITYWIDE	1,255,532	380,465	875,066
LIBRARIES	1,694,344	757,200	937,144
CITYWIDE	1,694,344	757,200	937,144
SCHOOLS (Middle School Service Area)	13,508,448	4,931,862	8,576,586
CAMELOT/DEEP CREEK	873,045	125,000	748,045
CITYWIDE	7,981		7,981
CRESTWOOD/GREENBRIER	6,698,864	3,753,515	2,945,349
DEEP CREEK/HUGO OWENS	2,526,445	711,718	1,814,727
GREAT BRIDGE	2,275,849	250,100	2,025,749
GREENBRIER	36,612		36,612
HICKORY	632,801	54,940	577,861
INDIAN RIVER	36,589	36,589	-
OSCAR SMITH	367,897		367,897
WESTERN BRANCH/JOLIFF	52,364		52,364
TRANSPORTATION	1,248,697	414,552	834,145
CITYWIDE	6,215		6,215
GREENBRIER	457,116	122,016	335,100
RIVERCREST	314,298	292,536	21,762
SOUTH CHES/GREAT BRIDGE	465,252		465,252
WESTERN BRANCH	5,816		5,816
Grand Total	\$ 17,707,022	\$ 6,484,080	\$ 11,222,941

School proffers are listed by middle school service area which usually overlap several elementary zones. High schools typically draw from multiple middle school zones. However, a single middle school zone can be served by several high schools.

Planned usage of proffers:

FY 2017 - Libraries for expansion of Russell Memorial Parking Lot	\$ 500,000
FY 2018 - Schools for expansion of Oscar Smith High Schools	\$ 3,500,000

UNFUNDED PROJECTS

CRITICAL TO FUND IN FIVE YEARS

PROJECT NAME	Total Costs	Chesapeake Funds	Other Funds	Annual Operating Costs
<u>Community Facilities</u>				
Human Services Bldg 2nd Floor Alterations	1,100,000	1,100,000	-	-
<i>Subtotal - Community Facilities</i>	\$ 1,100,000	\$ 1,100,000	\$ -	\$ -
<u>Parks and Recreation</u>				
Community Centers - Expansions (citywide)	16,000,000	16,000,000		
Northwest River Park Renovations/Replacements	6,000,000	6,000,000		
<i>Subtotal - Parks and Recreation</i>	\$ 22,000,000	\$ 22,000,000	\$ -	\$ -
<u>Public Safety</u>				
Police Evidence Building Storm Hardening	250,000	250,000	-	12,500
Public Safety Operations Building - Renovate/Replace Windows	2,500,000	2,500,000		
Renovation of Fire Station #14	400,000	400,000	-	
Retrofit Older Fire Stations to provide gender separation and to improve health, wellness, and safety of employees	834,015	834,015	-	-
<i>Subtotal - Public Safety</i>	\$ 3,984,015	\$ 3,984,015	\$ -	\$ 12,500
<u>Public Utilities</u>				
Deep Creek Water Main Loop 2 (Gust to Deep Creek Boulevard) to improve distribution reliability	475,000	475,000	-	1,150
<i>Subtotal - Public Utilities</i>	475,000	475,000	-	1,150
<u>Stormwater</u>				
Chadwycks Terrace Area	850,000	850,000	-	-
Tyre Neck/WBI School outfall pipe replacement and upgrade	800,000	800,000	-	-
<i>Subtotal - Stormwater</i>	\$ 1,650,000	\$ 1,650,000	\$ -	\$ -
<u>Transportation</u>				
Cedar Road Roadway Elevation	1,600,000	1,600,000	-	-
Various Traffic Signal Improvements	800,000	800,000	-	-
West Munden Ditch and Shoulder Improvements	2,500,000	2,500,000	-	-
Shillelagh Road Ditch and Shoulder Improvements	2,000,000	2,000,000	-	-
Repair & Maintenance of Roads and Bridges	2,040,000	2,040,000	-	-
<i>Subtotal - Transportation</i>	\$ 8,940,000	\$ 8,940,000	\$ -	\$ -
GRANDTOTALS	\$ 38,149,015	\$ 38,149,015	\$ -	\$ 13,650

UNFUNDED PROJECTS

OTHER PROJECTS

UNFUNDED PROJECT NAME (Non-Critical)	Total Cost	Chesapeake Funds	Other Funds	Annual Operating Costs
Community Facilities				
City Facilities Needs Assessment & Master Plan	424,410	424,410	-	-
Records Storage Facility	1,648,290	1,648,290	-	43,018
Subtotal - Community Facilities	\$ 2,072,700	\$ 2,072,700	\$ -	\$ 43,018
Economic Development				
Airport Authority Renovations	7,408,000	1,397,000	6,011,000	-
Subtotal - Economic Development	\$ 7,408,000	\$ 1,397,000	\$ 6,011,000	\$ -
Information Systems				
800 MHz Strategic Enterprise Projects				
Wimax Broadband Fixed Data Network	1,050,000	-	1,050,000	20,000
Wireless Broadband Data and P25 Voice Radio Network	10,932,500	2,500,000	8,432,500	1,612,067
Subtotal - Information Systems	\$ 11,982,500	\$ 2,500,000	\$ 9,482,500	\$ 1,632,067
Parks, Recreation & Tourism				
Centerville Park - Phase II	6,500,000	6,500,000		
Centerville Park Phase III - dog park, bike park, rec. courts	1,500,000	1,500,000		
Deep Creek Park - Phase II	6,800,000	6,800,000	-	-
Deep Creek Park Phase III - recreational fields and courts	6,500,000	6,500,000		
Oak Grove Lake Park - water amenities	300,000	300,000		
Subtotal - Parks, Recreation & Tourism	\$ 21,600,000	\$ 21,600,000	\$ -	\$ -
Public Safety				
New Fire Station 16 - Construction	5,181,750	5,181,750	-	1,395,964
New Fire Station 17 - Construction	5,181,750	5,181,750	-	1,395,964
New Fire Station 17 - Land Acquisition	493,500	493,500	-	-
New Fire Station 18 - Construction	5,181,750	5,181,750	-	1,395,964
Relocate Fentress Fire Station #6 - Construction	5,181,750	5,181,750	-	37,978
Relocate Fentress Fire Station #6 - Land Acquisition	518,175	518,175	-	-
Subtotal - Public Safety	\$ 21,738,675	\$ 21,738,675	\$ -	\$ 4,225,870
Public Utilities				
Riverbank Filtration Study	175,000	175,000	-	-
Norfolk Highlands Elevated Tank Rehabilitation	925,000	925,000		
Distribution Improvement				
Deep Creek Loop 1 (Rt. 17 To DC Blvd)	379,500	379,500	-	1,120
Deep Creek Water Main Loop 3	1,411,800	1,411,800	-	3,445
Waters Road 10" Water Main	822,200	822,200	-	2,104
Subtotal - Public Utilities	3,713,500	3,713,500	-	6,670
GRANDTOTALS	68,515,375	53,021,875	15,493,500	5,907,625

This unfunded project list excludes requirements for stormwater and transportation as staff needs to prioritize unfunded demands between those that are essential and those that we might address if resources and time were unlimited. The unfunded lists for both stormwater and transportation contain projects that are beyond the city's capacity to ever fund. Some projects will only be addressed if significant funding is provided by state or federal sources; those projects are better addressed through regional efforts. Staff will prioritize transportation and stormwater projects based on more narrowly defined criteria that exclude projects with exceedingly large costs, but relatively small benefits.

PROPOSED CAPITAL IMPROVEMENT PLAN - FIVE YEARS ENDING JUNE 30, 2021

CHESAPEAKE PUBLIC SCHOOLS

Project	Category	2017	2018	2019	2020	2021	5-Year Plan
Heating, Ventilation and Airconditioning							
Butts Road Primary	HVAC	1,364,500	-	-	-	-	1,364,500
Camelot Elementary *	HVAC	1,634,200	-	-	-	-	1,634,200
Carver Intermediate and Instructional Services Center	HVAC	-	-	-	4,683,500	-	4,683,500
Deep Creek Elem, Edward-Wilson Center, Administration Bldg.	HVAC	-	5,013,200	-	-	-	5,013,200
Georgetown Primary	HVAC	1,899,300	-	-	-	-	1,899,300
Greenbrier Middle *	HVAC	2,255,200	-	-	-	4,277,200	6,532,400
Hickory High *	HVAC	-	-	1,946,600	-	-	1,946,600
Hickory Middle *	HVAC	2,976,400	-	-	-	-	2,976,400
Hugo Owens Middle *	HVAC	2,976,400	-	-	-	-	2,976,400
Joliff Middle *	HVAC	1,528,100	-	-	-	4,277,200	5,805,300
Norfolk Highlands	HVAC	1,342,400	-	-	-	-	1,342,400
School Administration Building	HVAC	2,322,300	-	-	-	-	2,322,300
Portlock Primary*, Hickory Elementary*, Truitt Intermediate*	HVAC	-	-	-	5,187,700	-	5,187,700
Sparrow Road Intermediate	HVAC	-	-	1,250,400	-	-	1,250,400
Thurgood Marshall Elementary	HVAC	-	-	2,816,500	-	-	2,816,500
Western Branch Intermediate *	HVAC	1,769,000	-	-	-	-	1,769,000
Subtotal		20,067,800	5,013,200	6,013,500	9,871,200	8,554,400	49,520,100
Roofs Replacements							
B. M. Williams Primary*, Great Bridge Middle*, Hickory High*, Deep Creek							
Central Elementary	Roof	-	-	-	10,744,500	-	10,744,500
Butts Road Intermediate	Roof	2,581,600	-	-	-	-	2,581,600
Deep Creek Middle	Roof	2,116,100	-	-	-	-	2,116,100
Camelot Elementary	Roof	2,292,800	-	-	-	-	2,292,800
Cedar Road Elementary, Truitt Intermediate, Hickory Middle, Owens Middle, Portlock Primary, and Edward-Wilson Center	Roof	-	-	-	-	20,716,700	20,716,700
Oscar Smith High	Roof	-	-	-	-	7,000,700	7,000,700
Great Bridge Intermediate	Roof	2,581,600	-	-	-	-	2,581,600
Greenbrier Intermediate	Roof	2,581,600	-	-	-	-	2,581,600
Hickory Elementary	Roof	-	1,674,600	-	-	-	1,674,600
Southeastern Elementary	Roof	2,327,600	-	-	-	-	2,327,600
Thurgood Marshall Elementary and Deep Creek Elementary	Roof	-	-	3,975,600	-	-	3,975,600
Treacle Elementary	Roof	2,784,000	-	-	-	-	2,784,000
Western Branch Middle *	Roof	564,000	-	-	-	-	564,000
Western Branch Primary	Roof	2,069,300	-	-	-	-	2,069,300
Subtotal		19,898,600	1,674,600	3,975,600	10,744,500	27,717,400	64,010,700
Refresh Technology							
Deep Creek High	Tech	217,300	3,562,500	-	-	-	3,779,800
Great Bridge High	Tech	263,100	4,201,700	-	-	-	4,464,800
Hickory High	Tech	263,100	4,201,700	-	-	-	4,464,800
Oscar Smith High	Tech	263,100	4,201,700	-	-	-	4,464,800
Subtotal		1,006,600	16,167,600	-	-	-	17,174,200

PROPOSED CAPITAL IMPROVEMENT PLAN - FIVE YEARS ENDING JUNE 30, 2021

CHESAPEAKE PUBLIC SCHOOLS

Project	Category	2017	2018	2019	2020	2021	5-Year Plan
Other Capital Requirements							
Full-Day Kindergarten	Addition	2,530,235	-	-	-	-	2,530,235
Chittum Elementary - Addition	Addition	2,102,700	21,954,100	-	-	-	24,056,800
Oscar Smith High - Addition	Addition	915,900	6,068,500	-	-	-	6,984,400
Crestwood Middle - Track	Athletics	570,900	-	-	-	-	570,900
Deep Creek Middle - Stadium Renovations	Athletics	2,307,400	-	-	-	-	2,307,400
Great Bridge High Softball Field Lighting	Athletics	-	-	560,400	-	-	560,400
Great Bridge Middle - Stadium Renovations	Athletics	-	-	2,803,400	-	-	2,803,400
Deep Creek Middle, Great Bridge Middle, Western Branch High - Track Repaving	Athletics	2,418,100	-	-	-	-	2,418,100
Nutrition Services Warehouse	Other	-	-	4,985,300	-	-	4,985,300
Parking and Storage for School Buses and Fleet	Other	5,044,500	-	-	-	-	5,044,500
Crestwood Middle - Paving	Paving	600,000	-	-	-	-	600,000
Deep Creek High - Paving	Paving	1,122,400	-	-	-	-	1,122,400
Great Bridge High - Paving	Paving	-	1,024,500	-	-	-	1,024,500
Greenbrier Primary - Paving	Paving	-	-	503,000	-	-	503,000
Hickory Middle - Paving	Paving	386,200	-	-	-	-	386,200
Subtotal		15,468,100	29,047,100	8,852,100	-	-	53,367,300
School Modernizations							
Carver Intermediate	Modern	-	2,204,400	20,292,100	-	-	22,496,500
Crestwood Intermediate	Modern	3,276,500	-	28,329,100	-	-	31,605,600
Crestwood Middle	Modern	-	2,697,100	23,279,800	-	-	25,976,900
Deep Creek High	Modern	-	-	4,959,300	52,081,100	-	57,040,400
Great Bridge Primary	Modern	-	-	-	-	-	-
Indian River Middle	Modern	4,187,600	-	38,198,300	-	-	42,385,900
Western Branch Middle	Modern	-	4,073,800	-	36,566,400	-	40,640,200
Subtotal		7,464,100	8,975,300	115,058,600	88,647,500	-	220,145,500
New Schools							
New Elementary School - Deep Creek/Deep Creek Central Area	New	-	2,918,900	30,133,500	-	-	33,052,400
New Elementary School - Williams/Crestwood/Greenbrier Area	New	-	-	-	3,157,100	32,592,400	35,749,500
Subtotal		-	2,918,900	30,133,500	3,157,100	32,592,400	68,801,900
Grand Total - Proposed (Millions)		\$ 66.44	\$ 63.80	\$ 164.03	\$ 112.42	\$ 68.86	\$ 475.55
Recommended Funding (Millions)		\$ 10.58	\$ 20.29	\$ 34.78	\$ 24.50	\$ 9.50	\$ 99.64
Unfunded Portion (Millions)		\$ 55.86	\$ 43.50	\$ 129.26	\$ 87.92	\$ 59.36	\$ 375.91

Proposed Capital Improvement Plan
Parks, Recreation and Tourism Improvements
Accomplished During FY 2015

IMPROVE COMMUNITY CENTERS:

- New wireless basketball scoreboards at Western Branch and River Crest Community Centers,
- New equestrian shelter for horse show at Northwest River park
- New skateboard park concrete enhancements, benches, grills, trash receptacles and tables for new Elizabeth River Park
- New dugouts at Western Branch Park, Deep Creek Park and Greenbrier Sports Park
- Replaced kilns at Portlock and Rokeby Centers
- Renovations at the Rokeby Center (included painting and electrical upgrades)
- Demolition of the Lake Ahoy building

IMPROVE PARK FACILITIES:

- New swings at Cheshire and Crestwood Park
- Replaced outdoor exercise trail equipment at Elizabeth River and Oak Grove Parks,
- Replaced signage, fencing, tree maintenance at Elizabeth River, Consolvo, Cornland and McNeil Parks,
- Added sidewalks at piers at Lakeside and Battlefield Parks
- Replaced traffic counters at six parks
- New electronic restroom locks and bike station repair equipment at Dismal Swamp Canal Trail
- Installed electrical upgrades at City Park
- Improved erosion control Oak Grove Lake Park
- Installed water fountain at dog park in City park
- Replaced observation platform and refurbished bridge at Deep Creek Locks Park
- Replaced park gates at Lakeside Park, Dismal Swamp Canal Trail, and Elizabeth River Park
- Renovated walking path at Oak Grove Lake Park

IMPROVE ATHLETIC FIELDS:

- Replaced athletic lighting at Western Branch Pony Field, two fields at Butts Road Primary, and Chittum Elementary softball field
- Relocated electrical feed at Greenbrier Sports Park
- New athletic lighting at Deep Creek Park (second soccer field)

IMPROVE ACCESS FOR DISABLED CITIZENS:

- Added concrete walkways at Fun Forest in City Park
- Added concrete walkways at Portlock Senior Center
- Added concrete walkways at picnic shelters at Deep Creek Lock Park
- Added concrete walkways at three shelters at City Park,
- Added ADA accessible water fountain at Lakeside Park with accessible sidewalks
- Improved accessibility to Handicap parking pad, restrooms, picnic shelters, and bridge at Northwest River Park

Continued next page.

Proposed Capital Improvement Plan
Parks, Recreation and Tourism Improvements
Accomplished During FY 2015

IMPROVE PARKING LOTS:

- Paved (asphalt) gravel parking lot at Centerville Park.

IMPROVE FACILITY AND PATRON SECURITY:

- Added flash cameras at parking lot in Lakeside Park and Deep Creek Park
- Added flash cameras at playground restroom area in Elizabeth River Park
- Expanded security system at Parks, Recreation, and Tourism main office
- Added video and security systems to maintenance facility at Northwest River Park