

CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2022

PROJECT LIST

Note: New projects added for the FY 2018 CIP are listed in bold

Project Name	Project #	Page #
Community Facilities		
Funded Projects		
ADA Door & Restroom Retrofits at Various Facilities - Phase I	21-200	C-1
ADA Facility and Infrastructure Retrofits	01-220	C-2
CIBH - Parking Addition	01-210	C-3
CIBH - Psychosocial Day Support Building Expansion (Coastal Clubhouse)	14-190	C-4
Facilities - High Priority Renewal and Replacements - Phase III	02-150	C-5
Facility - Capital Improvement and Utilization Study	02-220	C-6
Library - Automated Materials Handling System	12-190	C-7
Library - Customer Service Desk Replacements	02-210	C-9
Library - Russell Memorial Parking Addition	03-210	C-10
Municipal Parking Lots and Sidewalks II	04-150	C-11
Public Works/Public Utilities Operating Facilities Relocation	01-150	C-12
Social Services Building Restroom Renovation	04-210	C-13
Solid Waste Facilities Relocation	02-160	C-14
Voting Equipment	02-200	C-15
Community Facilities		
Fully Funded Projects		
City Hall 6th Floor Redesign/Expansion for City Attorney & City Manager's Offices	03-200	C-16
CNG (Compressed Natural Gas) Fueling Station/Fast Payback Energy Conservation	44-130	C-17
Community Revitalization	98-120	C-18
Compressed Natural Gas (CNG) Fueling Station # 2	01-180	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
Mosquito Control Facilities Relocation	01-160	C-24
Public Health Center/Health Department Expansion	08-190	C-25
Sheriff - Work Release Equipment	99-120	C-26
South Norfolk Community Development	10-120	C-27
Economic Development		
Funded Projects		
22nd Street Commercial Site Preparation (SoNo TIF)	45-200	D-1
Fentress Encroachment Protection	10-190	D-2
Greenbrier Commercial District Improvements	03-170	D-3
Public Infrastructure & Utility Improvements - Dollar Tree Development (GB TIF)	03-220	D-4
South Norfolk - Strategic Acquisition of Real Property	04-170	D-5
Tidewater Community College - Science/Engineering Building	40-200	D-6

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Economic Development		
Fully Funded Projects		
Airport Authority Improvements and Expansion	01-170	D-7
Battlefield Blvd./Volvo Pkwy. Improvements (GB TIF)	13-121	D-8
Commerce Park	62-120	D-9
Commerce Park - Greenbrier Circle Access Road	62-121	D-10
Conference Center District Improvements (GB TIF)	14-100	D-11
Conference Center Renovation (GB TIF)	15-100	D-12
Dominion Boulevard Corridor	02-170	D-13
Elizabeth River Park	63-121	D-14
Greenbrier Center District Improvements (GB TIF)	13-120	D-15
Greenbrier Commercial District Pedestrian Safety Improvements (GB TIF)	20-100	D-16
Greenbrier Streetscape Lighting (GB TIF)	13-122	D-17
Greenbrier Way-finding Signage (GB TIF)	09-110	D-18
South Norfolk - Strategic Development	09-090	D-19
South Norfolk - Johnson Park Improvements	22-120	D-20
South Norfolk - Poindexter Streetscape	19-120	D-21
South Norfolk - Street Light Improvements (SoNo TIF)	49-170	D-22
Education		
Funded Projects		
Full Day Kindergarten	05-210	E-1
Hickory Middle School - Building Addition	43-210	E-2
Modernization/Renovation of Schools (to be determined by School Board)	32-190	E-3
Non-routine Renewal & Replacement Projects - Schools	03-180	E-4
Oscar Smith High School - Building Addition	06-210	E-5
School Bus - Replacement	29-190	E-6
School Technology - Replacement	30-190	E-7
Education		
Fully Funded Projects		
Great Bridge Primary School - Modernization	31-190	E-8
Land, Elementary School, Chittum area	33-97	E-9
Land, Elementary School, Southeastern Area	41-98	E-10
Information Technology		
Funded Projects		
Broadband Wireless	04-220	F-1
CAD Interface between Sheriff and Police	07-210	F-3
Citizen Engagement Systems	05-220	F-4
Citywide ERP Solution	06-220	F-5

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Information Technology		
Funded Projects (cont.)		
Enterprise KRONOS Upgrade - Phase II	09-170	F-7
Enterprise Wide Technology III	08-210	F-8
Fire - Fire/EMS Mobile Data Terminals	07-220	F-9
Fire - NWS Inspections CAD Interface	09-210	F-10
Fire - Telestaff Kronos Interface	10-210	F-11
Fire - Tri-City Automatic Aid CAD Interface (Regional 911 Dispatch Interface)	11-210	F-12
Fire Station Alerting System	08-220	F-13
Information Technology Help Desk/Service Desk Software Replacement	11-200	F-14
Jail - Data Center	12-210	F-15
Laserfische Upgrade	13-210	F-16
Library - Data Center Redundancy/DIT Colocation	09-220	F-17
Library - Integrated Library System (ILS) Hosting	06-200	F-19
Library - Switch/Router Refresh	07-200	F-20
Library - Tablet Lending System	08-200	F-21
Library - Technology Upgrade/Replacement Phase III	10-220	F-22
Library - Technology Upgrade/Replacement Phase II	13-190	F-24
PeopleSoft Update Manager & PeopleTools Upgrade	11-220	F-25
Replace Existing PBX Telephone System with VoIP	14-210	F-26
Replacement of Network Equipment - Phase I	15-210	F-27
Replacement of Network Equipment - Phase II	12-220	F-28
Sheriff - Automated Rounds Software	16-210	F-30
Website Redesign	13-220	F-31
Information Technology		
Fully Funded Projects		
Case Management Software for City and Commonwealth Attorneys Offices	20-190	F-32
Citizen Mobile Apps Project	11-190	F-33
E-Gov Initiative - Phase II Web 2.0	12-140	F-34
EMS Field Collection/Treasurer Billing	22-100	F-35
Enterprise Financials PeopleSoft/PeopleTools Upgrade - Phase I	27-160	F-36
Enterprise Financials PeopleSoft/PeopleTools Upgrade - Phase II	06-170	F-37
Enterprise Wide Technology Improvements - Phase II	15-130	F-38
Enterprise Wide Technology Improvements - Phase III	07-170	F-39
Human Services Case Management System	08-170	F-40
Maximo Upgrade and Integration to PeopleSoft	11-170	F-41
Project 25 Radio System	08-160	F-42
Real Estate Assessor Computer Assisted Mass Appraisal	12-170	F-43
Risk Management Software	41-130	F-44

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Parks, Recreation, and Tourism		
Funded Projects		
ADA Facility Compliance - Parks & Recreation	22-190	G-1
Athletic Field Improvements	16-190	G-2
Ballhack 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
Dismal Swamp Canal Trail Renovation	14-220	G-8
Elizabeth River Park Fishing Pier	19-191	G-9
Facility Improvements on Recreational Buildings	19-190	G-10
Northwest River Park Water & Sewer System Improvements - Phase I	15-220	G-11
Open Space and Recreation Funding Projects	47-200	G-12
Park Program Improvements	18-190	G-14
Parking Lot Improvements - Parks & Recreation	21-190	G-15
Security Improvements - Parks & Recreation	24-190	G-16
Western Branch Trail Renovation	13-200	G-17
Parks, Recreation, and Tourism		
Fully Funded Projects		
Conference Center - Replace Roof	04-190	G-18
Dismal Swamp Canal Trail - Phase I	21-100	G-19
Great Bridge Battlefield Visitors Center (Partial)	26-070	G-20
Oak Grove Lake Park - Additional Parking Spaces	23-190	G-21
Park Shelters & Playgrounds	27-111	G-22
Parks - Land Acquisition	17-050	G-23
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 Replacement	16-200	H-4
Fire - Thermal Imaging Cameras	14-200	H-5
Fire - Vehicle Replacement	39-200	H-6
Fire Station #16 - Joint Fire & Police Station - Grassfield/Scenic Pkwy.	17-220	H-7
Fire Station #4 Replacement	16-220	H-8
Jail - Intercom System Digital Conversion	21-210	H-9
Jail - Kitchen Equipment Replacement	22-210	H-10
Jail - Laundry Equipment Replacement	23-210	H-11

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Public Safety		
Funded Projects (cont.)		
Jail - PLC System Replacement & Upgrade	24-210	H-12
Jail - Surveillance System Digital Conversion & Additional Cameras	25-210	H-13
Jail and Sheriff HQ - Renewal and Replacements	26-210	H-14
Joint Juvenile Justice Facility	18-220	H-15
Police - Command Bus Replacement	27-210	H-16
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 Expansion to Address Overcrowding	04-180	H-22
Police - Emergency Vehicle Storage Facility	26-190	H-23
Precinct Security Camera System Upgrades	18-200	H-24
Public Safety EOC/EDC/Back-up Network Ops Center and Upgrade CAD System	39-140	H-25
Public Safety Site Remediation/Turn Lane Construction	38-140	H-26
Regional Jail Participation	33-190	H-27
Saint Brides Fire Station #7/Hickory Police Precinct #6 - Combine	10-160	H-28
Public Utilities		
Funded Projects		
Automated Meter Reading Equipment and Software	53-120	I-1
Cavalier Elevated and Ground Storage Tanks Rehabilitation	19-220	I-2
Centerville Turnpike Loop 3	43-120	I-3
Deep Creek Pump Station Upgrade	20-140	I-4
Force Main Replacement: Dominion Blvd. and I-64	34-200	I-5
Gravity Sewer Renewal: Bainbridge Blvd. Basin (HRSD Project Area)	16-170	I-6
Lake Gaston WTP - Membrane Replacement - Phase II	21-130	I-7
Lake Gaston WTP - Miscellaneous Modifications	37-200	I-8
Lake Gaston WTP - Strategic Treatment and Facility Development Plan	38-200	I-9
Military Hwy. - 36" Water Main	38-120	I-10
Norfolk Highlands Elevated Tank Rehabilitation	28-200	I-11
Northwest River WTP - Membrane Replacement - Phase III	01-090	I-12
Northwest River WTP - Miscellaneous Modifications	19-130	I-13
Northwest River WTP - Replace Bulk Chemical Storage Tanks	30-200	I-14
Northwest River WTP - Replace Ground Storage Tank	29-200	I-15
Northwest River WTP - Riverbank Filtration System	36-200	I-16
Northwest River WTP - Switchgear Replacement	20-220	I-17

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Funded Projects (cont.)		
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Raw Water Transmission Main	39-120	I-19
Sanitary Force Main: Volvo Parkway	31-210	I-20
Sewer and Water Renewal: Elbyrne Dr.	23-170	I-21
Sewer Improvements: Gravity Sewer System at Indian River Service Area - Phase I	35-170	I-22
Sewer Management Operations & Maintenance	13-160	I-24
Sewer Pump Station Safety Improvements	35-200	I-26
Sewer Pump Station: Replacement and Rehabilitation	21-220	I-27
Sewer Renewal: Additional Consent Order Capital Requirement	05-180	I-28
Sewer Renewal: Chesapeake Ave. (Guerriere to Ohio Sewer)	18-170	I-30
Sewer Renewal: Liberty St. (500 Block to Collingswood Ave.)	26-170	I-31
Sewer Renewal: Raleigh Place (Pump Station #7 Basin)	33-170	I-32
Sewer Renewal: SSES Implementation - Phase II (Indian River/PS # 107)	33-120	I-33
Sewer Renewal: Westwood Ave. and Redstart Ave.	42-170	I-35
Sewer Replacement: Orville Ave. Alleyway (Bainbridge to Seaboard)	31-170	I-36
Sewer System Redesign/Construction: Albemarle Dr.	22-220	I-37
Unserved Areas/Cost Participation - Phase II	25-200	I-38
Water & Sewer Pump Station Telemetry Installation and Upgrade	32-210	I-39
Water Control Laboratory - Upgrade HVAC	26-200	I-40
Water Production Security System Upgrades	31-200	I-41
Water Renewals: Waterline Upgrades - Phase II	14-160	I-42
Water Residuals Disposal	32-200	I-43
Water System Planning and Upgrades	33-210	I-44
Water Treatment Plant Control System Upgrade	27-200	I-45
Western Branch Elevated Tank Rehabilitation	33-200	I-46
Public Utilities		
Fully Funded Projects		
Bainbridge Blvd. Elevated Storage Tank Renovation	12-160	I-47
Battlefield to Centerville Water Main - Phase I	21-140	I-48
Battlefield to Centerville Water Main - Phase II	22-140	I-49
Crestwood Sewer - Phase II (Pump Station #931)	20-170	I-50
Crestwood Sewer - Phase III (Pump Station #12)	21-170	I-51
Customer Service & Billing Software	34-120	I-52
Generator Replacement Program	25-130	I-53
Greenbrier Pkwy. - Force Main Upgrade	06-100	I-54
Joliff Rd. Waterline - Phase II	29-050	I-55
Laboratory Equipment Replacement - Phase I	50-121	I-56
Lake Gaston Water Protection	31-101	I-57
Maintenance & Operations Equipment Replacement	18-150	I-58

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Fully Funded Projects (cont.)		
Manhole Rehabilitation (1709 Vertical Feet)	28-170	I-59
Murray Dr. and Whittamore Rd. Water Project	40-130	I-60
Northwest River WTP - 30" Raw Water Main	54-120	I-61
Northwest River WTP - Basin Cover Replacement	40-120	I-62
Oak Grove Elevated Tank Standpipe Replacement	05-190	I-63
Pump Station and Wet Well Upgrading - Phase IV	02-140	I-64
Red Top Tank and Raw Water Pump Station	17-140	I-65
Sanitary Sewer Evaluation Study	27-120	I-66
Sewer Renewal: 18th Street	15-170	I-67
Sewer Renewal: Melton St.	29-170	I-68
Sewer Renewal: SSES Implementation - Phase I	32-120	I-69
Sewer System Repairs - Phase I	31-120	I-70
Sewer System Repairs - Phase II	04-140	I-71
South Norfolk Improvements	45-120	I-72
Unserved Areas: Battlewood Meadows Sewer Cost Participation	51-129	I-73
Unserved Areas: Wampler, Manning, Vico, Jolliff Sewer Cost Participation	51-128	I-74
Water Renewal: Buchanan St.	24-200	I-75
Water Renewals: Waterline Upgrades - Phase I	71-120	I-76
Water System Renewal - Phase I	24-120	I-77
Western Branch Interconnect to Lake Gaston WTP	47-120	I-78
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
Loxley Gardens Drainage Improvements - Phase II	23-220	J-7
Major Equipment Purchases - PW Stormwater Division	07-180	J-8
Master Drainage Improvements II	40-210	J-9
Meads Court BMP (DEQ Grant)	05-142	J-10
Neighborhood Drainage Improvements - Phase II	08-150	J-11
New Mill Regional BMP (DEQ Grant)	05-143	J-12
Oakdale Area BMP and Drainage Improvements	09-150	J-13
Old Mill Rd. Drainage Improvements (Crossing Replacement)	24-220	J-14
Shillelagh Rd. Drainage Outfall Improvements	77-120	J-15
Stormwater Mapping & Master Drainage Plan III	10-150	J-16
Stormwater Quality Program - Phase II	11-150	J-17

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Stormwater		
Funded Projects (cont.)		
Welch Ln. Drainage Improvements	19-200	J-18
Whittamore Rd. Outfall Improvements	20-200	J-19
Stormwater		
Fully Funded Projects		
Ahoy Acres/Holly Cove System Replacement	06-150	J-20
Border Rd. Area Drainage Improvements - Phase II	06-140	J-21
Chesapeake Dr. Drainage Improvements	02-130	J-22
Citywide Undesignated Drainage - Phase I	04-080	J-23
Colony Manor Outfall Improvements	72-120	J-24
Cooper's Ditch Dredging	04-100	J-25
D Street Drainage Improvements	04-130	J-26
Lamberts Trail Area Drainage Improvements	07-130	J-27
Neighborhood Drainage Improvements - Phase I	05-121	J-28
Partridge/Cloverdale Area Drainage Improvements	75-120	J-29
Prince Edward Dr. Outfall Improvements	09-130	J-30
Royce Dr. Drainage Outfall Improvements	10-130	J-31
Scenic Blvd. Drainage Improvements	76-120	J-32
Shorewood Area Drainage Improvements	11-130	J-33
Stormwater Mapping & Master Drainage Plan II	06-120	J-34
Stormwater Quality Program/VPDES Permit Compliance	05-140	J-35
Sunray Area Outfall Re-Grading	13-130	J-36
Washington Manor Drainage Outfall Improvements	80-120	J-37
Yadkin Rd. BMP Drainage Improvement - Phase III	12-150	J-38
Transportation		
Funded Projects		
22nd Street Bridge Replacement	21-120	K-1
Chesapeake Expressway Administration Building Modifications	46-200	K-2
Chesapeake Expressway Interchange at Mt. Pleasant Rd.	30-220	K-3
Chesapeake Transportation System Renewals - Phase II	35-210	K-4
Citywide Guardrail Installation & Replacement	25-220	K-5
Citywide Sidewalk Installation	26-220	K-6
Deep Creek AIW Bridge Replacement	08-180	K-7
Freeman Ave. Railroad Overpass	09-180	K-8
Left Turn Lane and Signal Modification: Volvo Pkwy. at Greenbrier Pkwy.	27-220	K-9
Mt. Pleasant Rd. Widening	36-210	K-10
Mullen Road Connector	13-180	K-11
Non-Arterial Street Repaving	07-190	K-12
Repair & Maintenance Roads and Bridges - Phase IV	37-210	K-13

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Transportation		
Funded Projects (cont.)		
Right Turn Lane and Signal Modification: Woodlake Dr. at Greenbrier Pkwy.	38-210	K-14
Rural Roads Safety Improvement Program	41-210	K-15
Traffic Signal and Intersection Improvements: Butts Station Rd. at Centerville Tpke.	39-210	K-16
Traffic Signals and Intersection Improvements - Phase III	28-220	K-17
Turn Lanes and Signal Modification: Hanbury Rd.	29-220	K-18
VDOT Primary Ext. Grant - Atlantic Ave. and Airline Blvd. Resurfacing	44-200	K-19

Transportation		
Fully Funded Projects		
Benefit Rd. Ditch and Shoulder Improvements	22-200	K-20
Bruce Rd. Safety Improvements	02-190	K-21
Centerville Bridge Rehabilitation	03-190	K-22
Centerville Bridge Super Structure Repairs	44-170	K-23
Chesapeake Expressway Renewals	26-162	K-24
Chesapeake Expressway Renewals	26-163	K-25
Chesapeake Expressway Renewals	26-160	K-26
Chesapeake Expressway Renewals	26-161	K-27
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Gum Road Multi-Use Path - Phase II	20-051	K-32
Military Hwy. and Smith Ave. Intersection Improvements	06-190	K-33
Military Hwy. S. at Baugher Ave.	16-150	K-34
Military Hwy. S. at State St.	17-150	K-35
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Repair & Maintenance Roads and Bridges - Phase III	17-130	K-37
Right Turn Lane Extension: Battlefield Blvd. at Hickory High School	23-200	K-38
Right Turn Lane: Military Hwy. at Galberry Rd.	42-200	K-39
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Traffic Signals and Intersection Improvements - Phase I	21-082	K-43
Traffic Signals and Intersection Improvements - Phase II	67-121	K-44
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US Route 17 South of Cedar Rd. (Dominion Blvd.)	47-170	K-46
US Route 17 Wetland Mitigation (Dominion Blvd.)	23-061	K-47
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