

# CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2023

## PROJECT LIST

*Note: New projects for the FY 2019-23 CIP are listed in bold*

Project Name	Project #	Page #
<b>Community Facilities</b>		
<b>Funded Projects</b>		
ADA Facility and Infrastructure Retrofits	01-220	C-1
<b>Chesapeake Multipurpose Stadium</b>	<b>50-230</b>	C-2
<b>CIBH - Study of 224 Great Bridge Blvd. Building Annex</b>	<b>01-230</b>	C-3
Facilities - High Priority Renewal and Replacements - Phase III	02-150	C-4
<b>Feasibility Study for New Facility for City Records Storage</b>	<b>02-230</b>	C-5
<b>Joint City/School Garage Facility</b>	<b>48-230</b>	C-6
Library - Customer Service Desk Replacements	02-210	C-7
<b>Library - Music Shelving Replacement</b>	<b>03-230</b>	C-8
<b>Library - Shelving Replacement</b>	<b>04-230</b>	C-9
Municipal Parking Lots and Sidewalks II	04-150	C-10
Public Works/Public Utilities Operating Facilities Relocation	01-150	C-11
Solid Waste Facilities Relocation	02-160	C-12
Voting Equipment	02-200	C-13
<b>Community Facilities</b>		
<b>Fully Funded Projects</b>		
ADA Door & Restroom Retrofits at Various Facilities - Phase I	21-200	C-14
CIBH - Parking Addition	01-210	C-15
CIBH - Psychosocial Day Support Building Expansion (Coastal Clubhouse)	14-190	C-16
City Hall 6th Floor Redesign/Expansion for City Attorney & City Manager's Offices	03-200	C-17
CNG (Compressed Natural Gas) Fueling Station/Fast Payback Energy Conservation	44-130	C-18
Community Revitalization	98-120	C-19
Compressed Natural Gas (CNG) Fueling Station #2	01-180	C-20
Facility - Capital Improvement and Utilization Study	02-220	C-21
Intellectual Disability Day Support Building - Renovation	15-190	C-22
Jordan Bridge Memorial	02-180	C-23
Juvenile Services Building Renovations	04-200	C-24
Library - Russell Memorial Parking Addition	03-210	C-25
Mosquito Control Facilities Relocation	01-160	C-26
Public Health Center/Health Department Expansion	08-190	C-27
Sheriff - Work Release Equipment	99-120	C-28
Social Services Building Restroom Renovation	04-210	C-29
South Norfolk Community Development	10-120	C-30
<b>Economic Development</b>		
<b>Funded Projects</b>		
22nd Street Commercial Site Preparation (SoNo TIF)	45-200	D-1
<b>Airport Authority Improvements and Expansion - Phase II</b>	<b>53-230</b>	D-2
Fentress Encroachment Protection	10-190	D-3
<b>Open Space and Agriculture Preservation (OSAP) Program</b>	<b>05-230</b>	D-4

# CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2023

## PROJECT LIST

Note: New projects submitted for the FY 2019 CIP are listed in bold

Project Name	Project #	Page #
<b>Economic Development</b>		
<b>Funded Projects (cont.)</b>		
South Norfolk - Strategic Acquisition of Real Property	04-170	D-5
<b>South Norfolk Municipal Building</b>	<b>51-230</b>	D-6
<b>Study and Small Area Plan for Indian River Rd. and Military Hwy. Corridor</b>	<b>06-230</b>	D-7
Tidewater Community College - Science/Engineering Building	40-200	D-8
<b>Economic Development</b>		
<b>Fully Funded Projects</b>		
Battlefield Blvd./Volvo Pkwy. Improvements (GB TIF)	13-121	D-9
Commerce Park	62-120	D-10
Commerce Park - Greenbrier Circle Access Road	62-121	D-11
Conference Center District Improvements (GB TIF)	14-100	D-12
Conference Center Renovation (GB TIF)	15-100	D-13
Greenbrier Center District Improvements (GB TIF)	13-120	D-14
Greenbrier Commercial District Pedestrian Safety Improvements - Design & Construction (GB TIF)	20-100	D-15
Greenbrier Streetscape Lighting (GB TIF)	13-122	D-16
Greenbrier Way-finding Signage (GB TIF)	09-110	D-17
Public Infrastructure & Utility Improvements - Dollar Tree Development (GB TIF)	03-220	D-18
South Norfolk - Johnson Park Improvements	22-120	D-19
South Norfolk Municipal Facility Development Strategy	48-200	D-20
<b>Education</b>		
<b>Funded Projects</b>		
<b>Chittum Elementary School - Modernization &amp; Addition</b>	<b>07-230</b>	E-1
Full Day Kindergarten	05-210	E-2
Hickory Middle School - Building Addition	43-210	E-3
Joint Study for School Facilities & Redistricting	49-230	E-4
Modernization/Renovation of Schools (to be determined by School Board)	32-190	E-5
Non-routine Renewal & Replacement Projects - Schools	03-180	E-6
<b>School Athletic Field Renovations &amp; Improvements</b>	<b>08-230</b>	E-7
School Bus - Replacement	29-190	E-8
School Safety Measures	35-220	E-9
School Technology - Replacement	30-190	E-10
<b>Education</b>		
<b>Fully Funded Projects</b>		
Great Bridge Primary School - Modernization	31-190	E-11
Land, Elementary School, Chittum area	33-97	E-12
Land, Elementary School, Southeastern Area	41-98	E-13
Oscar Smith High School - Building Addition	06-210	E-14

# CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2023

## PROJECT LIST

*Note: New projects submitted for the FY 2019 CIP are listed in bold*

Project Name	Project #	Page #
<b>Information Technology</b>		
<b>Funded Projects</b>		
Citizen Engagement Systems	05-220	F-1
City Fiber Optic Broadband Network	04-220	F-2
Citywide ERP Solution	06-220	F-4
Enterprise KRONOS Upgrade - Phase II	09-170	F-6
Fire - Fire/EMS Mobile Data Terminals	07-220	F-7
Fire - Tri-City Automatic Aid CAD Interface (Regional 911 Dispatch Interface)	11-210	F-8
Fire Station Alerting System	08-220	F-9
<b>Implementation of Enterprisewide Next Generation Identity Access Management</b>	<b>09-230</b>	F-10
Laserfische Upgrade	13-210	F-11
Library - Automated Handling System - Phase II (Greenbrier Library)	12-191	F-12
Library - Automated Handling System - Phase III (Russell Memorial Library)	12-192	F-13
Library - Integrated Library System (ILS) Hosting	06-200	F-14
Library - Switch/Router Refresh	07-200	F-15
Library - Technology Upgrade/Replacement - Phase III	10-220	F-16
<b>Library Data Center Technology and Switching Replacement</b>	<b>10-230</b>	F-18
PeopleSoft Update Manager & PeopleTools Upgrade	11-220	F-19
Replace Existing PBX Telephone System with VoIP	14-210	F-20
Replacement of Network Equipment - Phase I	15-210	F-21
Replacement of Network Equipment - Phase II	12-220	F-22
<b>Information Technology</b>		
<b>Fully Funded Projects</b>		
CAD Interface between Sheriff and Police	07-210	F-24
Citizen Mobile Apps Project	11-190	F-25
Enterprise Financials PeopleSoft/PeopleTools Upgrade - Phase I	27-160	F-26
Enterprise Financials PeopleSoft/PeopleTools Upgrade - Phase II	06-170	F-27
Enterprise Wide Technology III	08-210	F-28
Enterprise Wide Technology Improvements - Phase III	07-170	F-29
Fire - NWS Inspections CAD Interface	09-210	F-30
Fire - Telestaff Kronos Interface	10-210	F-31
Information Technology Help Desk/Service Desk Software Replacement	11-200	F-32
Jail - Data Center	12-210	F-33
Library - Automated Handling System - Phase I (Central Library)	12-190	F-34
Library - Data Center Redundancy/DIT Colocation	09-220	F-35
Library - Tablet Lending System	08-200	F-36
Maximo Upgrade and Integration to PeopleSoft	11-170	F-37
Project 25 Radio System	08-160	F-38
Sheriff - Automated Rounds Software	16-210	F-39
Website Redesign	13-220	F-40

# CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2023

## PROJECT LIST

*Note: New projects submitted for the FY 2019 CIP are listed in bold*

Project Name	Project #	Page #
<b>Parks, Recreation, and Tourism</b>		
<b>Funded Projects</b>		
ADA Facility Compliance	22-190	G-1
Athletic Field Improvements	16-190	G-2
Chesapeake Arboretum	17-210	G-3
Commonwealth/Seaboard Multi-City Rail Trail (Western Branch Rail to Trail)	18-210	G-4
Conference Center Renovation	12-200	G-5
Dismal Swamp Canal Trail - Phase III (Renovation, Restroom, Parking Lot)	19-210	G-6
Dismal Swamp Canal Trail Renovation	14-220	G-7
Facility Improvements on Recreational Buildings	19-190	G-8
<b>Northwest River Park Improvements</b>	<b>11-230</b>	G-9
Open Space and Recreation Funding Projects	47-200	G-10
Park Program Improvements	18-190	G-12
Parking Lot Improvements	21-190	G-13
<b>Parks and Recreation - Improvements, Additions &amp; Expansions</b>	<b>12-230</b>	G-14
Security Improvements - Parks, Recreation and Tourism	24-190	G-15
<b>Parks, Recreation, and Tourism</b>		
<b>Fully Funded Projects</b>		
Ballhack Rd. Boat Ramp Area Improvement Project	43-200	G-16
Elizabeth River Park Fishing Pier	19-191	G-17
Great Bridge Battlefield Visitors Center (Partial)	26-070	G-18
Northwest River Park Water & Sewer System Improvements - Phase I	15-220	G-19
Oak Grove Lake Park - Additional Parking Spaces	23-190	G-20
Parks - Land Acquisition	17-050	G-21
Western Branch Trail Renovation	13-200	G-22
<b>Public Safety</b>		
<b>Funded Projects</b>		
Deep Creek Fire Station #8 - Relocate	27-190	H-1
Dock Landing Fire Station #11 - Replace	28-190	H-2
Fire - Vehicle Replacement	39-200	H-3
Fire Station #16 - Joint Fire & Police Station - Grassfield/Scenic Pkwy.	17-220	H-4
Fire Station #4 Replacement	16-220	H-5
Jail - Kitchen Equipment Replacement	22-210	H-6
Jail - Surveillance System Digital Conversion & Additional Cameras	25-210	H-7
Jail and Sheriff HQ - Renewal and Replacements	26-210	H-8
Police - Mobile Command Vehicle Replacement	27-210	H-9
<b>Police and Fire - Door Card Control Panel Replacement and Fire Station Access</b>	<b>13-230</b>	H-10
<b>Police and Sheriff - Academy Computer Upgrade</b>	<b>14-230</b>	H-11

# CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2023

## PROJECT LIST

*Note: New projects submitted for the FY 2019 CIP are listed in bold*

Project Name	Project #	Page #
<b>Public Safety</b>		
<b>Funded Projects (cont.)</b>		
Police, Fire, and Sheriff - New World App	15-230	H-12
Public Safety Facility Issue Studies - Feasibility & Conceptual Design	16-230	H-13
Public Safety Two Factor Authentication System Upgrade	17-230	H-14
Public Safety Vehicle Network Connection Upgrade (Mobile Network Device Systems)	18-230	H-15
Sheriff - Civil Papers Software Replacement	19-230	H-16
<b>Public Safety</b>		
<b>Fully Funded Projects</b>		
Bowers Hill Fire Station #10 and Fire Department Logistics Support Center	07-110	H-17
Cooling Tower for Courts, Public Safety, and Jail - Replacement	01-190	H-18
Cornland Fire Station #13 - Restroom Renovations	25-150	H-19
Fire - Mobile Radio Repeaters	20-210	H-20
Fire - Self Contained Breathing Apparatus Replacement	16-200	H-21
Fire - Thermal Imaging Cameras	14-200	H-22
Fire Alarm and Public Address System	17-200	H-23
Jail - Laundry Equipment Replacement	23-210	H-24
Jail - PLC System Replacement & Upgrade	24-210	H-25
Jail Expansion to Address Overcrowding	04-180	H-26
Police - Emergency Vehicle Storage Facility	26-190	H-27
Public Safety EOC/EDC/Back-up Network Ops Center and Upgrade Computer-Aided Dispatch (CAD) System	39-140	H-28
Public Safety Site Remediation/Turn Lane Construction	38-140	H-29
Saint Brides Fire Station #7/Hickory Police Precinct #6 - Combine	10-160	H-30
<b>Public Utilities</b>		
<b>Funded Projects</b>		
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
<b>Chesapeake Connector Water Pipeline</b>	<b>20-230</b>	I-4
Deep Creek Pump Station Upgrade	20-140	I-5
Gravity Sewer Renewal: Bainbridge Blvd. Basin (HRSD Project Area)	16-170	I-6
<b>Great Bridge Force Main Redundancy Study</b>	<b>21-230</b>	I-7
Greenbrier Pkwy. - Force Main Upgrade	06-100	I-8
<b>Lake Gaston Pipeline - Capital Cost Sharing with Virginia Beach</b>	<b>22-230</b>	I-9
Lake Gaston WTP - Membrane Replacement - Phase II	21-130	I-10
Lake Gaston WTP - Miscellaneous Modifications	37-200	I-11

# CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2023

## PROJECT LIST

*Note: New projects submitted for the FY 2019 CIP are listed in bold*

Project Name	Project #	Page #
<b>Public Utilities</b>		
<b>Funded Projects (cont.)</b>		
Lake Gaston WTP - Strategic Treatment and Facility Development Plan	38-200	I-12
Norfolk Highlands Elevated Tank Rehabilitation	28-200	I-13
<b>Northwest River Lakes &amp; Pump Station</b>	<b>23-230</b>	I-14
Northwest River WTP - Miscellaneous Modifications	19-130	I-15
Northwest River WTP - Replace Ground Storage Tank	29-200	I-16
Northwest River WTP - Riverbank Filtration System	36-200	I-17
Northwest River WTP - Switchgear Replacement	20-220	I-18
Raw Water Transmission Main	39-120	I-19
<b>Replacement of Lead Service Lines</b>	<b>24-230</b>	I-20
Sewer and Water Renewal: Elbyrne Dr.	23-170	I-21
Sewer Pump Station Safety Improvements	35-200	I-22
Sewer Pump Station: Replacement and Rehabilitation	21-220	I-23
Sewer Renewal: 18th Street	15-170	I-24
Sewer Renewal: Additional Consent Order Capital Requirement	05-180	I-25
Sewer Renewal: Raleigh Place (Pump Station #7 Basin)	33-170	I-26
Unserved Areas/Cost Participation - Phase II	25-200	I-27
<b>Water Franchise Acquisition &amp; System Renewals</b>	<b>52-230</b>	I-28
Water Renewal: Buchanan St.	24-200	I-29
Water Renewals: Waterline Upgrades - Phase II	14-160	I-30
Water Residuals Disposal	32-200	I-31
Water System Planning and Upgrades	33-210	I-32
Western Branch Elevated Tank Rehabilitation	33-200	I-33
<b>Public Utilities</b>		
<b>Fully Funded Projects</b>		
Bainbridge Blvd. Elevated Storage Tank Renovation	12-160	I-34
Battlefield to Centerville Water Main - Phase I	21-140	I-35
Battlefield to Centerville Water Main - Phase II	22-140	I-36
Crestwood Sewer - Phase II (Pump Station #931)	20-170	I-37
Crestwood Sewer - Phase III (Pump Station #12)	21-170	I-38
Customer Service & Billing Software	34-120	I-39
Force Main Replacement: Dominion Blvd. and I-64	34-200	I-40
Joliff Rd. Waterline - Phase II	29-050	I-41
Manhole Rehabilitation (1709 Vertical Feet)	28-170	I-42
Military Hwy. - 36" Water Main	38-120	I-43
Murray Dr. and Whittamore Rd. Water Project	40-130	I-44
Northwest River WTP - 30" Raw Water Main	54-120	I-45
Northwest River WTP - Replace Bulk Chemical Storage Tanks	30-200	I-46
Oak Grove Elevated Tank Standpipe Replacement	05-190	I-47
Public Utilities - CIS Upgrade	30-210	I-48

# CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2023

## PROJECT LIST

*Note: New projects submitted for the FY 2019 CIP are listed in bold*

Project Name	Project #	Page #
<b>Public Utilities</b>		
<b>Fully Funded Projects (cont.)</b>		
Red Top Tank and Raw Water Pump Station	17-140	I-49
Sanitary Sewer Evaluation Study	27-120	I-50
Sewer Improvements: Gravity Sewer System at Indian River Service Area - Phase I (PS #3)	35-170	I-51
Sewer Renewal: Chesapeake Ave. (Guerriere to Ohio Sewer)	18-170	I-52
Sewer Renewal: Liberty St. (500 Block to Collingswood Ave.)	26-170	I-53
Sewer Renewal: Melton St.	29-170	I-54
Sewer Renewal: SSES Implementation - Phase I	32-120	I-55
Sewer Renewal: SSES Implementation - Phase II (Indian River/PS #107)	33-120	I-56
Sewer Renewal: Westwood Ave. and Redstart Ave.	42-170	I-57
Sewer System Redesign/Construction: Albemarle Dr.	22-220	I-58
South Norfolk Improvements	45-120	I-59
Unserved Areas: Battlewood Meadows Sewer Cost Participation	51-129	I-60
Unserved Areas: Wampler, Manning, Vico, Jolliff Sewer Cost Participation	51-128	I-61
Water & Sewer Pump Station Telemetry Installation and Upgrade	32-210	I-62
Water Control Laboratory - Upgrade HVAC	26-200	I-63
Water Production Security System Upgrades	31-200	I-64
Water Renewals: Waterline Upgrades - Phase I	71-120	I-65
Water System Renewal - Phase I	24-120	I-66
Water Treatment Plant Control System Upgrade	27-200	I-67
Western Branch Interconnect to Lake Gaston WTP	47-120	I-68
<b>Stormwater</b>		
<b>Funded Projects</b>		
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
<b>Elmwood Landing Area Drainage Improvements</b>	<b>25-230</b>	J-5
<b>Forest Lakes Outfall Improvements</b>	<b>26-230</b>	J-6
<b>Hickory Ridge Outfall Improvements</b>	<b>27-230</b>	J-7
Liberty St. Drainage System Replacement & Upgrade	34-210	J-8
Loxley Gardens Drainage Improvements - Phase II	23-220	J-9
Major Equipment Purchases - PW Stormwater Division	07-180	J-10
Neighborhood Drainage Improvements - Phase II	08-150	J-11
Oakdale Area BMP and Drainage Improvements	09-150	J-12
Old Mill Rd. Drainage Improvements (Crossing Replacement)	24-220	J-13
<b>Parkview Area Drainage Improvements</b>	<b>28-230</b>	J-14
<b>Resiliency &amp; Reliability Program</b>	<b>29-230</b>	J-15
Stormwater Mapping & Master Drainage Plan III	10-150	J-16
Stormwater Quality Program - Phase II	11-150	J-17

# CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2023

## PROJECT LIST

*Note: New projects submitted for the FY 2019 CIP are listed in bold*

Project Name	Project #	Page #
<b>Stormwater</b>		
<b>Fully Funded Projects</b>		
Ahoy Acres/Holly Cove System Replacement	06-150	J-18
Border Rd. Area Drainage Improvements - Phase II	06-140	J-19
Chesapeake Dr. Drainage Improvements	02-130	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
Master Drainage Improvements II	40-210	J-25
Meads Court BMP	05-142	J-26
Neighborhood Drainage Improvements - Phase I	05-121	J-27
New Mill Regional BMP	05-143	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
Shillelagh Rd. Drainage Outfall Improvements	77-120	J-33
Shorewood Area Drainage Improvements	11-130	J-34
Stormwater Mapping & Master Drainage Plan II	06-120	J-35
Stormwater Quality Program/VPDES Permit Compliance	05-140	J-36
Sunray Area Outfall Re-Grading	13-130	J-37
Welch Ln. Drainage Improvements	19-200	J-38
Whittamore Rd. Outfall Improvements	20-200	J-39
Yadkin Rd. BMP Drainage Improvement - Phase III	12-150	J-40
<b>Transportation</b>		
<b>Funded Projects</b>		
22nd Street Bridge Replacement	21-120	K-1
<b>Advanced Right-of-Way Acquisition Program</b>	<b>30-230</b>	K-2
<b>Centerville Turnpike Bridge Feasibility Study</b>	<b>31-230</b>	K-3
Centerville Turnpike Bridge Rehabilitation	03-190	K-4
Citywide Guardrail Installation & Replacement	25-220	K-6
Citywide Sidewalk Installation	26-220	K-7
Citywide Traffic Signal Retiming - Phase I	31-220	K-8
<b>Citywide Traffic Signal Retiming - Phase II</b>	<b>62-230</b>	K-9
<b>CTS - Chesapeake Expressway Renewals - Phase III - Variable Message Boards</b>	<b>32-230</b>	K-10
<b>CTS - Dominion Blvd./Veterans Bridge - Closed Circuit Television (CCTV)</b>	<b>34-230</b>	K-11
Deep Creek AIW Bridge Replacement	08-180	K-12
<b>Elbow Rd. Widening - Phase II</b>	<b>35-230</b>	K-13

# CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2023

## PROJECT LIST

*Note: New projects submitted for the FY 2019 CIP are listed in bold*

Project Name	Project #	Page #
<b>Transportation</b>		
<b>Funded Projects (cont.)</b>		
<b>Flashing Yellow Arrow (FYA) Installation - Cedar Rd.</b>	<b>60-230</b>	K-14
<b>Flashing Yellow Arrow (FYA) Installation - Providence Rd./Mt. Pleasant Rd.</b>	<b>61-230</b>	K-15
<b>Flashing Yellow Arrow (FYA) Installation - Western Branch Blvd.</b>	<b>59-230</b>	K-16
Freeman Ave. Railroad Overpass Bridge	09-180	K-17
<b>George Washington Hwy. (US Route 17) Widening</b>	<b>37-230</b>	K-18
<b>Gilmerton Auxiliary Counterweights Bridge Repairs</b>	<b>38-230</b>	K-19
<b>Intersection Improvements: Battlefield Blvd. at Albemarle Dr.</b>	<b>39-230</b>	K-20
<b>Intersection Improvements: Battlefield Blvd. at Great Bridge Blvd. &amp; Kempsville Rd.</b>	<b>54-230</b>	K-21
<b>Intersection Improvements: Battlefield Blvd. at Volvo Pkwy.</b>	<b>40-230</b>	K-22
<b>Intersection Improvements: Butts Station Rd. at Kempsville Rd.</b>	<b>41-230</b>	K-23
<b>Mt. Pleasant Rd. Widening - Phase II</b>	<b>42-230</b>	K-24
Non-Arterial Street Repaving	07-190	K-25
<b>Number 10 Lane Bridge - Replacement/Repairs</b>	<b>58-230</b>	K-26
<b>Oaklette Bridge (Indian River Road) - Replacement/Repairs</b>	<b>56-230</b>	K-27
<b>Old Mill Rd. Bridge - Replacement/Repairs</b>	<b>57-230</b>	K-28
<b>Pedestrian Sidewalk and Street Lighting - Poindexter St. at I-464 Overpass</b>	<b>44-230</b>	K-29
Repair & Maintenance Roads and Bridges - Phase IV	37-210	K-30
<b>Repaving: Kempsville Rd.</b>	<b>55-230</b>	K-31
Right Turn Lane and Signal Modification: Woodlake Dr. at Greenbrier Pkwy.	38-210	K-32
<b>Right Turn Lane Extension: Greenbrier Pkwy. at Kempsville Rd.</b>	<b>45-230</b>	K-33
<b>Right Turn Lane: South Norfolk Area (Campostella Rd. at Sunrise Ave.)</b>	<b>46-230</b>	K-34
<b>Right Turn Lanes: Deep Creek Area</b>	<b>47-230</b>	K-35
Rural Roads Safety Improvement Program	41-210	K-36
Sunray Overpass Rehabilitation	45-170	K-37
Traffic Signals and Intersection Improvements - Phase III	28-220	K-38
Triple Decker Bridge Rehabilitation	46-170	K-39
Turn Lanes and Signal Modification: Hanbury Rd. at Johnstown Rd.	29-220	K-40
<b>Transportation</b>		
<b>Fully Funded Projects</b>		
Benefit Rd. Ditch and Shoulder Improvements	22-200	K-41
Bruce Rd. Safety Improvements	02-190	K-42
Centerville Bridge Super Structure Repairs	44-170	K-43

# CAPITAL IMPROVEMENT PLAN FOR FIVE YEARS ENDING JUNE 30, 2023

## PROJECT LIST

*Note: New projects submitted for the FY 2019 CIP are listed in bold*

<b>Project Name</b>	<b>Project #</b>	<b>Page #</b>
<b>Transportation</b>		
<b>Fully Funded Projects (cont.)</b>		
Chesapeake Expressway Administration Building Modifications	46-200	K-44
Chesapeake Expressway Guardrail Improvements	32-220	K-45
Chesapeake Expressway Interchange at Mt. Pleasant Rd.	30-220	K-46
CTS - Chesapeake Expressway Renewals - Phase Ia	26-160	K-47
CTS - Chesapeake Expressway Renewals - Phase Ib	26-161	K-48
CTS - Chesapeake Expressway Renewals - Phase Ic	26-162	K-49
CTS - Chesapeake Expressway Renewals - Phase Id	26-163	K-50
CTS - Chesapeake Transportation System Renewals - Phase II	35-210	K-51
Elbow Rd. Widening - Phase I	14-150	K-52
Flashing Yellow Arrow (FYA) Installation - Battlefield Blvd.	33-220	K-53
Flashing Yellow Arrow (FYA) Installation - Portsmouth Blvd./Taylor Rd.	34-220	K-54
Grade Crossing Safety Program Ia	04-09002	K-55
Grade Crossing Safety Program Ib	04-09003	K-56
Grade Crossing Safety Program II	03-120	K-57
Gum Road Multi-Use Path - Phase II	20-051	K-58
Left Turn Lane and Signal Modification: Volvo Pkwy. at Greenbrier Pkwy.	27-220	K-59
Military Hwy. and Smith Ave. Intersection Improvements	06-190	K-60
Military Hwy. S. at Baugher Ave.	16-150	K-61
Military Hwy. S. at State St.	17-150	K-62
Mt. Pleasant Rd. Widening - Phase I	36-210	K-63
Mullen Road Connector	13-180	K-64
Portsmouth Blvd.	35-100	K-65
Repair & Maintenance Roads and Bridges - Phase III	17-130	K-66
Right Turn Lane Extension: Battlefield Blvd. at Hickory High School	23-200	K-67
Right Turn Lane: Military Hwy. at Galberry Rd.	42-200	K-68
South Norfolk Railroad Crossings	48-170	K-69
Traffic Signal and Intersection Improvements: Butts Station Rd. at Centerville Tpke.	39-210	K-70
Traffic Signals and Intersection Improvements - Phase I	21-082	K-71
Traffic Signals and Intersection Improvements - Phase II	67-121	K-72
US Route 17 South of Cedar Rd. (Dominion Blvd.)	47-170	K-73
US Route 17 Wetland Mitigation (Dominion Blvd.)	23-061	K-74
US Route 17/Steel Bridge (Dominion Blvd.)	23-060	K-75
VDOT Primary Ext. Grant - Atlantic Ave. and Airline Blvd. Resurfacing	44-200	K-76
VDOT Primary Ext. Grant - Repaving a Portion of Military Hwy. West	42-210	K-77