



BLACKSBURG POLICE

**Town of Blacksburg, Virginia**  
**Adopted Capital Improvement Program**  
**Fiscal Years 2023/2024 - 2027/2028**

# Town of Blacksburg

**FY 2023/2024-2027/2028**

## **Adopted Capital Improvement Program**

### **Town Council**

Leslie Hager-Smith, Mayor  
Susan Anderson, Vice Mayor  
John Bush  
Lauren Colliver  
Jerry R. Ford, Jr.  
Susan Mattingly  
Michael Sutphin

### **Town Administrative Staff**

Town Manager – Marc A. Verniel  
Deputy Town Manager – Community Development – Christopher S. Lawrence  
Deputy Town Manager – Operations – Steven F. Ross  
Assistant to the Town Manager – Matthew T. Hanratty  
Town Attorney – Lawrence S. Spencer, Jr.  
Town Clerk – Lorraine S. Spaulding  
Director of Financial Services – Susan H. Kaiser  
Human Resources Manager – Teresa A. Harless  
Community Relations Manager – Heather D. Browning  
Police Chief – Kendrick T. Brewster  
Fire Chief – Drew Smith  
Rescue Chief – David English  
Director of Parks and Recreation – Dean B. Crane  
Director of Engineering and G.I.S. – S. Randy Formica  
Director of Planning and Building – Anne L. McClung  
Director of Public Works – John N. Boyer  
Director of Technology – Steven B. Jones  
Director of Transit – Brian D. Booth

RESOLUTION 1-C-23


A RESOLUTION ADOPTING THE CAPITAL IMPROVEMENT  
PROGRAM FOR FY2023/2024 THROUGH FY2027/2028

BE IT RESOLVED by the Council of the Town of Blacksburg that this Council adopts the Capital Improvement Program for Fiscal Years 2023/2024 through 2027/2028, a copy of which is on file in the Office of the Town Clerk, with the following notation:

Page 54 Legacy Affordable Housing Development - \$94,500 voted on separately.

  
\_\_\_\_\_  
Mayor

ATTEST:

  
\_\_\_\_\_  
Town Clerk

Date of Adoption: January 24, 2023

November 22, 2022

The Honorable Mayor and Members of Town Council  
Members of the Planning Commission  
Town of Blacksburg  
300 South Main Street  
Blacksburg, VA 24060

Dear Mayor, Members of Town Council and Members of the Planning Commission:

It is our pleasure to present to you the *Recommended FY 2024-2028 Capital Improvement Program (CIP)* for your review and consideration. The CIP provides a snapshot of the Town's current financial condition, forecasts future revenues and expenditures, and plans for major capital expenditures over the next five years. Projects recommended in the CIP are guided by Town Council's Strategic Goals, the Comprehensive Plan, needs identified by operating departments and feedback from citizens.

The past several years have been financially challenging due to the pandemic and levels of inflation not seen since the 1970s. Despite these challenges, the Town has initiated over \$100 million in capital projects. These projects included a new police station, a 300 space parking garage, a multi-modal transit facility, bicycle and pedestrian improvements, park and streetscape projects, and infrastructure and building maintenance projects. Many of the projects included in the Recommended CIP are on-going from previous capital budgets or are maintenance oriented projects which are necessary to maintain the Town's investment in existing infrastructure. Many of the more significant, impactful projects are funded using American Rescue Plan Act (ARPA) funds the Town received as part of the federal economic stimulus package.

The Town's revenue sources are continuing to improve to pre-pandemic levels. While it is a positive sign to see revenues recovering, the impact of inflation on expenditures is significant. The latest Consumer Price Index increased 7.7% (October 2022). These cost increases are not only influencing funding for the CIP, but the operating budget as well. The impact to the operating budget will be most noticeable in rising payroll and health insurance costs again this year. These projected increases are consistent with what other area employers are experiencing as well.

This year we are again mindful of the need to control costs due to current economic conditions. The escalating cost of labor and materials to complete capital projects adds to this challenge. In developing the CIP, staff focused on addressing maintenance needs before funding new projects and ensuring that staff capacity was available to complete projects in a timely manner.

A list highlighting significant projects recommended in the FY 2024-2028 CIP is below:

### **Significant Projects Funded in the FY 2024-2028 CIP**

#### Downtown Redevelopment Projects:

- Draper Road Streetscape Improvement
- Progress Street Parking Garage
- Downtown Façade Grant Program

#### Parks and Recreation Projects:

- Community Center Renovations
- Brush Mountain Trail System
- South Point Community Park
- Industrial Park Trail System
- Huckleberry Trail-Prices Fork Road Crossing Study

#### Transportation Projects:

- Prices Fork Road Pedestrian Improvements
- Patrick Henry Drive Bicycle and Pedestrian Improvements
- Prices Fork Road-460 By-Pass Interchange Study
- Clay Street Roadway and Sidewalk Improvements
- North Main Street and Givens Lane Intersection Improvements

#### Utility Projects:

- Windsor Hills Sewer Force Main Replacement
- Preston Avenue Sewer Lining
- Laurel Ridge Waterline Replacement
- Penn Street Drainage Improvement Project
- Countryside Estates Drainage Improvement Project

### **Enterprise Funds**

The Town operates four enterprise funds: Water and Sewer, Solid Waste and Recycling, Stormwater, and Transit. The Enterprise Funds include over \$59 million in capital projects. These funds are self-sufficient with funding generated primarily by user fees and grant revenues. No town generated tax revenue is used to support operations of enterprise funds therefore the impacts due to the pandemic have not been as significant.

The Water and Sewer Fund includes projects to replace aging infrastructure and upgrade sewer capacity. A number of drainage improvement projects are included in the Stormwater Fund. The Transit Fund includes \$36 million for the purchase of electric buses and charging infrastructure.

### **American Recovery Act Plan**

The Town received approximately \$13 million in ARPA funds to assist the community in regaining normalcy after the COVID-19 pandemic. The Town led a robust public engagement process to select projects that align with community needs, help those most impacted by the pandemic, and move the community towards the future we envision. The Town Council approved eleven projects for ARPA funding in August 2022. Of the eleven projects approved, six are capital projects totaling an estimated \$6.6 million to be completed over the next four years.

#### **American Recovery Act Plan Capital Projects**

- 414 North Main Street Small Retail Coop and Incubator
- Priority Sidewalk Infill Projects
- North Main Street Trail
- Community Gardens
- Huckleberry Trail Repaving/Widening
- Meadowbrook Greenway Trail & McDonald Hollow Parking Expansion

### **Revenue and Expenditure Assumptions**

The CIP evaluates the Town's financial capacity to ensure adequate funding is available to maintain current service levels while also being able to support the recommended capital projects. In accordance with the Town's financial policies, a fund balance of at least 10% in the General Fund is maintained. Determining the Town's financial capacity to support the recommended projects involves projecting future revenues and expenditures based on current economic conditions.

Revenues are returning to pre-pandemic levels. Meals and transient occupancy taxes which account for approximately 30% of the Town's General Fund tax revenue were sources most impacted by the pandemic. While almost at the levels prior to the pandemic, two years of revenue growth have still been lost. Real estate tax revenues are projected to increase following the upcoming reassessment due to the strong housing market and the recent construction of new student housing.

### **Financing the Capital Improvement Program**

The Town's financial policies, "Principles of Sound Financial Management," provide the broad framework for the overall fiscal planning and management of Town resources. These policies, reviewed every two years, guide the development of a fiscally responsible CIP and Operating Budget. A copy of the "Principles of Sound Financial Management" are located in the Financial Analysis and Tables section of this document.

Revenue from the General Fund, Enterprise Funds, Special Revenue Funds, and general obligation bonds provide funding for capital projects. Bond funds are used as a secondary funding source for long-term projects. Federal and State revenue sources are also used to fully or partially fund capital projects.

**Summary**

In conclusion, we are pleased to present to you a *Recommended FY 2024-2028 Capital Improvement Program* that is fiscally responsible and responsive to the community. During the next several weeks, we look forward to reviewing and discussing these recommendations with you. Below is the schedule for the review and consideration of the Recommended CIP.

**2022**

November 22nd	Present CIP to Town Council
November 29th	Planning Commission Review of the CIP
December 6th	Town Council Work Session
December 13th	Town Council Schedules Public Hearing on CIP for January 10, 2023

**2023**

January 3rd	Town Council Work Session
January 10th	Town Council Public Hearing on Recommended CIP
January 17th	Town Council Work Session, if necessary
January 24th	Town Council Consideration of Resolution Approving CIP

I would like to express my appreciation to each Department and their staff for working together to develop and prepare the *Recommended FY 2024-2028 Capital Improvement Program*. I also want to thank Town Council for your continued support as we pursue capital improvements that will enhance the quality of life for the citizens of Blacksburg.

Sincerely,



Marc A. Verniel  
Town Manager

# TABLE OF CONTENTS

<b>CAPITAL IMPROVEMENT PROGRAMMING</b> .....	1
Guidelines and Forms .....	4
<b>FINANCIAL ANALYSIS AND TABLES</b> .....	8
Principles of Sound Financial Management .....	9
Financial Indicators	
Indicator 1: Revenues Per Capita .....	12
Indicator 2: Sales Tax Revenues Per Capita .....	13
Indicator 3: Meals Tax Revenues Per Capita .....	14
Indicator 4: Intergovernmental Revenues .....	15
Indicator 5: Property Tax Revenues .....	16
Indicator 6: Operating Expenditures Per Capita .....	17
Indicator 7: Employees Per Capita .....	18
Indicator 8: Fund Balances .....	19
Indicator 9: Long-term Debt .....	20
Indicator 10: Capital Outlay .....	21
Indicator 11: Water and Sewer Rates .....	22
Indicator 12: Retained Earnings - Water and Sewer Fund .....	23
Indicator 13: Capital Outlay - Water and Sewer Fund .....	24
Indicator 14: Debt Service - Water and Sewer Fund .....	25
Indicator 15: Retained Earning – Stormwater Fund .....	26
Table 1: History of Property Tax Revenue for the Last Six Fiscal Years .....	27
Table 2: History of General Fund Revenue Other Than Property Tax for the Last Six Fiscal Years .....	28
Table 3: History of General Fund Operating Expenditures/Encumbrances for the Last Six Fiscal Years .....	29
Table 4: Six-Year Projection of Property Tax Revenue .....	30
Table 5: Six-Year Projection of Total General Fund Revenue .....	31
Table 6: Six-Year Projection of General Fund Operating Expenditures .....	32
Table 7: Six-Year Projection of General Fund Obligated Debt Service .....	33
Table 8: General Fund Six-Year Projection of New Capital Financing Potential .....	34
Table 9: History of Water and Sewer Fund Revenue for the Last Six Fiscal Years .....	35
Table 10: History of Water and Sewer Fund Operating Expenditures for the Last Six Fiscal Years .....	36
Table 11: Six-Year Projection of Water and Sewer Operating Revenues .....	37
Table 12: Six-Year Projection of Water and Sewer Operating Expenditures .....	38
Table 13: Six-Year Projection of Water and Sewer Fund Obligated Debt Service Expenditures .....	39
Table 14: Water and Sewer Fund Six-Year Projection of New Capital Financing Potential .....	40
Table 15: History of Stormwater Fund Operating Revenue Expenditures for the Last Six Fiscal Years .....	41
Table 16: Six-Year Projection of Stormwater Operating Revenue and Expenditures .....	42
Table 17: Stormwater Fund Six-Year Projection of New Capital Financing Potential .....	43
<b>SUMMARY OF PROJECTS</b>	
Summary of Capital Improvement Program .....	44
Summary of Capital Improvement Council Goals .....	45
<b>PROJECT DESCRIPTIONS</b>	
<b>Town Manager</b>	
Capital Reserve .....	46
Downtown Façade Program .....	47
Former Court Space Renovation .....	48
Progress Street Parking Garage .....	49
Electric Vehicle Infrastructure .....	50
Energy Efficiency Upgrades .....	51
Huckleberry Trail – Prices Fork Road Crossing Study .....	52
Legacy Affordable Housing Development .....	53
Identification Sign Replacement .....	54



Table of Contents *(continued)*

**Finance**

I-Series Peripheral Equipment Replacement ..... 55  
I-Series Hardware Replacement ..... 56

**Technology**

Data Backup Replacement ..... 57  
Licensing Update - Servers ..... 58  
Long Term Data Storage..... 59  
Network Edge Switch Replacement..... 60  
Network Firewall Replacement..... 61  
Server Replacement..... 62  
Technology Replacement..... 63  
Telephone System Replacement ..... 64  
Wireless Controller Replacement ..... 65

**Police**

Case Files/Records Scanning Project..... 66  
Emergency Response Team Vehicle Replacement..... 67  
Fusion Center Technology Upgrades..... 68  
Police Video, Data Storage and Technology Upgrade..... 69  
Traffic Committee ..... 70

**Fire**

Mobile Data Terminals ..... 71  
Turnout Gear Replacement..... 72

**Rescue**

Cardiac Monitors/Defibrillators ..... 73  
Critical Care Equipment ..... 74

**Public Works**

ADA Transition Planning Projects ..... 75  
Bennett House Renovations..... 76  
Bicycle Infrastructure Improvements..... 77  
Community Center HVAC Installation ..... 78  
Emergency Preparedness Equipment ..... 79  
Field Operations Vehicles ..... 80  
Infill Curb, Gutter and Sidewalk Construction Projects ..... 81  
Major Facilities Repair and Maintenance ..... 82  
Municipal Building Envelope Waterproofing Project ..... 83  
Old Town Hall Renovations ..... 84  
Parking Lot Repaving, Sealing and Striping..... 85  
Pavement Condition Index Update..... 86  
Price House Restoration Project ..... 87  
Public Works Administration Building Renovation ..... 88  
Public Works Lot Master Plan..... 89  
Rental Property Maintenance ..... 90  
Roof Replacement ..... 91  
Town Building Masonry Repair..... 92  
Traffic Signal Poles and Mast Arm Painting..... 93  
Traffic Signal Video Detection Cameras ..... 94  
Transfers to Building Systems Depreciation Fund ..... 95  
Transfers to Equipment Depreciation Fund ..... 102

**Parks and Recreation**

Brush Mountain Trail System ..... 109  
 Community Center Major Renovations ..... 110  
 Ecological Restoration Contracts ..... 111  
 Fitness Equipment..... 112  
 Golf Course Ventrac with Attachments ..... 113  
 Golf Maintenance Building ..... 114  
 Hand-In-Hand Playground Addition..... 115  
 Master Plan for Old High School Site..... 116  
 Mobile Stage ..... 117  
 Playground Replacement Fund..... 118  
 Pump Track ..... 119  
 South Point Community Park Build-out..... 120  
 Vehicle Replacement ..... 121

**Engineering and GIS**

Industrial Park Trail and Sidewalk System Design and Construction ..... 122  
 Neighborhood Traffic Studies..... 123  
 North Main Street at Givens Lane Intersection Modifications ..... 124  
 Prices Fork Road Pedestrian Improvements ..... 125  
 Sidewalk Extension Design Projects..... 126  
 Streetlight Installation ..... 127  
 Town-wide Transportation System Study..... 128  
 Traffic Signal Timing Traffic Counts..... 129  
 Two-year Orthophotography Updates ..... 130

**Planning and Building**

Patrick Henry Drive – Pedestrian and Bicycle Improvements ..... 131

**VDOT Revenue Sharing Fund**

Curb, Gutter and Sidewalk Rebuild ..... 132  
 Guardrail Replacement ..... 133  
 Major Roadway Repaving ..... 134  
 Right-of-Way Hazard Mitigation ..... 135  
 Roadway Full Depth Reconstruction (FDR) ..... 136  
 Sidewalk Trip Hazard Removal..... 137  
 Clay Street Sidewalk and Roadway Improvements ..... 138  
 Draper Road Streetscape Improvements..... 139

**Stormwater Fund**

Countryside Estates Stormwater Improvement Project ..... 140  
 Draper Road and Miller Street Box Culvert Replacement..... 141  
 Penn Street Drainage Improvement Project ..... 142  
 Progress Street and North Main Street Flood Mitigation..... 143  
 Stormwater Quality Improvements ..... 144  
 Stormwater Small Improvements and Minor Repairs ..... 145

**Water and Sewer Fund**

Meter Maintenance and Replacement ..... 146  
 Radio Read Vehicle Transceiver Unit (VXU) Replacement/Upgrade ..... 147  
 Laurel Ridge Chemical Pump ..... 148  
 Laurel Ridge Waterline Replacement and Water Quality Upgrades..... 149  
 Lead and Copper Rule Revisions – Service Line Investigation..... 150  
 North Main Street Water Tank Backup Pump Station..... 151  
 Preston Avenue Sanitary Sewer Lining ..... 152  
 Town Water System Unidirectional Flushing Program ..... 153

**Water and Sewer Fund – Con’t**

Town-wide Water Model Update ..... 154  
Water Tank Inspections ..... 155  
Water Tank Maintenance Projects ..... 156  
Windsor Hills Force Main Replacement ..... 157  
Fire Hydrant and Water Valve Replacement ..... 158  
Sanitary Sewer Lining and Pipe Bursting for I & I Abatement ..... 159  
Water Main Replacements ..... 160  
Wastewater Pumping Station Renewal ..... 162

**Transit Fund**

BT Access Bus Replacement and Expansion Program ..... 163  
Bus Pull-Offs ..... 164  
Christiansburg Bus Replacement and Expansion Program ..... 165  
Christiansburg Shelter and Amenities Replacement and Expansion Program ..... 166  
Electric Bus Charging Infrastructure Program ..... 167  
Heavy Duty Bus Replacement and Expansion Program ..... 168  
ITS Systems Replacement and Expansion Program ..... 169  
Radio Replacement and Expansion Program ..... 170  
Shelters and Amenities Replacement and Expansion Program ..... 171  
Support Vehicle Replacement and Expansion Program ..... 172  
Transit Facility Maintenance Program ..... 173

**Equipment Replacement Fund**

Major Equipment Purchases ..... 174  
Major Equipment Purchase Cost Adjustment ..... 183  
Major Building Systems Replacements ..... 184

**Solid Waste/Recycling Fund**

Automatic Leaf Vacuum Trucks ..... 187  
Brush, Leaf and Debris Management Plan ..... 188

TO: Department Heads  
Larry Spencer, Town Attorney  
Lorraine Spaulding, Town Clerk  
Heather Browning, Community Relations Manager  
Teresa Harless, Human Resource Manager  
Matt Hanratty, Assistant to the Town Manager  
Drew Smith, Fire Chief  
David English, Rescue Chief

FROM: Steve Ross, Deputy Town Manager  
Chris Lawrence, Deputy Town Manager  
Susan Kaiser, Director of Finance  
Matt Hornby, Assistant Director of Finance  
Trevor Bennett, Budget Analyst

SUBJECT: FY 2024-2028 Capital Improvement Program

DATE: September 9, 2022

Once again, it is time for the Capital Improvement Program (CIP) process, which should closely follow the same procedure as last year. We have the same Project Detail and Cost Estimate Detail forms used last year with separate templates for continuing and non-continuing projects. Forms are in PDF format with drop down menus and protected formulas to help the pages stay consistent. This will hopefully prevent a lot of editing of dates, statuses, and department names. Please submit all projects, old and new, on the Project Detail form. Blank templates for each department are available on the "O" drive and plenty tips, reminders, and instructions on using the forms are provided below. Please call if you have any questions.

### **Status of Current CIP Projects**

A status of current CIP projects will be needed with a brief one or two sentence description. The status should be completed on the spreadsheet located on the "O" drive at O:/CIP 2023/Current CIP Project Status. A column is provided for the status such as closed, open, on hold, or in progress with a line for the brief one or two sentence descriptions. The status of current CIP projects is due September 19, 2022.

### **Calendar**

September 19 <sup>th</sup>	Status of current CIP projects due.
September 30 <sup>th</sup>	Deadline for submission of CIP project proposals.
October 6 <sup>th</sup> -13 <sup>th</sup>	Meeting with individual departments to discuss CIP projects.
October 31 <sup>st</sup>	Town Manager Finalizes <i>Recommended CIP</i> .
November 22 <sup>nd</sup>	Town Manager's Proposed CIP presented to Town Council.

### **Reminders in the CIP Process**

- Remember this is the Town Manager's Recommended CIP. The Town Manager must consider the Town as a whole and the many competing needs and wants of the Town in making recommendations.
- This is a five year Capital Improvement Program.

- Project Detail Forms - The Project Detail form should be descriptive in the narratives and remember to reference Council's Strategic Goals when appropriate. A drop down box is provided on the PDF form for the goals. The narrative is what represents the project to the Council, the Planning Commission and the public. Please proof read all narratives before submission. All projects must be submitted on the PDF form. A template is provided on the "O" drive at O:\CIP FY2024\CIP Forms 2024-2028. **Please do NOT use any type of editing software to fill in the templates. Use Adobe exclusively for completing the templates. No projects are automatically carried over.** A new form is needed for each recommended project.
- Previous CIP Projects – If submitting a project included in last year's CIP, please copy and paste the information from last year's Project Detail form to the new form. Last year's Project Detail form is located on the "O" drive at O:\CIP FY2024\FY23 Adopted Projects. Make appropriate changes to years, dollar amounts, and narratives on the new form. **Do not use information from a project detail form you may have saved on another drive or folder.** That information may have been changed when included in the Adopted CIP.
- Project Status – Each project should have a status. They are *New, Continuing, In Progress or Previously Included*. There is a drop down menu on the PDF form for this section. See the prior year project in the CIP for the correct status. *Continuing* should only be used on projects that are continuing beyond the five years such as replacement funds or ongoing maintenance funds. **There are separate templates for different type of projects. Please use the correct template.** If you need changes, please email Susan Kaiser to have a new template created.
- Council Strategic Goals – A copy of the 2020-2021 Strategic Goals is attached to this memo as well as saved on the "O" drive at O:\CIP FY2024. Please utilize the drop down menu for selecting goals on the Project Detail Form. Reference them in the descriptive narrative of the projects if appropriate.
- The list kept of potential future projects is saved at O:\CIP FY2024. It is not all inclusive.
- **Do not submit all projects in the first year.**
- **Be realistic of funding and workload constraints.**
- Future years should include inflationary impacts.
- Only true capital projects will be considered for funding. All other items will be handled under the Operating Budget.
- Remember to include requests for all capital projects even if they will be funded by grants or if they are continuing projects such as Building Maintenance funds.
- For large projects, break the project into components such as land purchase, design or engineering services, and construction into appropriate years. Do not front load the entire project in the first year.
- Include the operating impact of capital projects so they can be considered during the operating budget process. Use the form on the "O" drive even if there is no operating impact and note that in the explanation part on the form. Most projects should have an operating impact.

## Forms to be Submitted:

The FY2024-2028 forms for use in preparing CIP projects are available on the “O” drive at O:\CIP FY2024\CIP Forms 2024-2028. The Cost Estimate Detail form is a PDF that combines the Estimated Detail and the Estimated New Annual Operating Expenses forms. Please use this form for projects instead of the two Word documents used in prior years.

The two forms below need to be submitted for each project.

- **Project Detail Form:** This form includes the total project estimate, description of the project (narrative), and source of funding. **Please use the templates on the “O” drive**, as this form will be published in the document submitted to Town Council.

The templates are provided on the “O” drive at O:\CIP FY2024\CIP Forms 2024-2028. If submitting a project included in last year’s CIP, then please use a new template and copy and paste the appropriate information located on O:\CIP FY2024\FY23 Adopted Projects.

- **Cost Estimate Detail Form:** This is a fillable PDF that combines the Estimated Detail and the Estimated New Annual Operating Expenses forms used in the past. It includes an inflation factor, source of estimate, and possible funding options or funding alternatives. Other supporting information can be submitted to justify the project cost estimate, but is not required.

Also included on form is the Estimated New Annual Operating Costs, including the impact of a new project relative to additional positions, related personnel costs, and operating costs excluding the cost of the capital project/equipment. This section **needs to be completed** even if there are no new operating costs associated with the project or the project will reduce operating costs. If there is no operating impact, note the reason in the explanation part of the form. Most capital projects will impact operating costs. It will be given to departments as part of the operating budget.

## **Submitting Projects for Review**

- Please proof read all narratives before submitting.
- A copy of each project recommended should be put out on the “O” drive at O:\CIP FY2024\Submitted Projects\- Please provide six (7) **unstapled and hole-punched** collated copies to Terri Self, as well as the copy on the “O” drive.
- The deadline for submitting proposed projects is **Friday, September 30, 2022**.

## **Conclusion**

The intent this year, as always, is to make the CIP process as painless as possible. Hopefully the above instructions will provide you with the guidance you need to submit the necessary information. If you have any questions regarding the process, please contact Steve Ross, Deputy Town Manager, Susan Kaiser, Director of Finance, or Trevor Bennett, Budget Analyst.

# Capital Improvement Program Guidelines

## Definition of a Capital Improvement

Capital Improvements are major construction or acquisition efforts that are nonrecurring in nature. Generally, capital improvement projects are defined as follows:

1. Studies pertaining to capital improvements that require the employment of outside professional consultants at a cost in excess of \$15,000.
2. Construction of buildings or facilities, including design, engineering and other pre-construction costs with an estimated cost in excess of \$15,000.
3. Purchase of major equipment and vehicles valued in excess of \$15,000 with a life expectancy of five years or more.
4. Major equipment or furnishings required for the utilization of new or renovated buildings.
5. Major acquisition of land or other property.

## Capital Improvement Program Submission Process

The Capital Improvement Program is designed as a budget document for the first year of the five-year plan and as a planning document for the remaining four years of the plan.

Each Department Head is responsible for reviewing the most recent Capital Improvement Program to determine the funding necessary for projects that are currently programmed in the Five-Year Capital Improvement Program. Based on this review and a review of new requirements for capital improvements for the next five-year period, the Department Head will complete a **Project Detail** form.

## Project Detail Form

The **Project Detail** form is used to summarize the project that is requested for consideration. If the CIP Committee ultimately recommends a project to the Town Council for consideration, this form is used for presenting information on the project to Council and the public.

Project Title: Brief title of the proposed project.

Project Status: Each project should have a status. They are *New*, *Continuing*, *In Progress* or *Previously Included*. The project is defined as "New" if it is the first year that the project is in the CIP. The project is "In Progress" if it is currently programmed in the CIP. The project is "Previously Included" if it has been requested and approved in previous years but is not in progress or has not yet begun. This status is not a project that was previously submitted and denied. *Continuing* should only be used on projects that are continuing beyond the five years such as replacement funds or ongoing maintenance funds.

Description and Justification: This information should include a brief description of the project including such things as the size of the facility (square feet) or infrastructure improvement (linear feet), the kind of vehicle to be purchased, the number of facilities to be improved, the names of the facilities to be improved, and the constituency to be served by the project. A brief justification of the project should also be included.

Planned Financing of Project: The planned financing of the project should mirror the cost estimate identified on the **Cost Estimate Detail** form or the cost estimate information provided. The Source of Funds should be identified. The sum of Prior Allocation, 2022/2023-2026/2027, and Future Years must add to the Total Project Estimate.

Prior Allocation: Can be found on most recent project printouts.

## Town Council Strategic Goals 2020 - 2021

### Transportation

Plan and construct transportation improvements that focus on “moving people, not cars” as well as prioritizing investments in pedestrian, bicycle, and transit facilities.

### Housing

Implement strategies to encourage the development of affordable and middle-income owner-occupied and rental housing for long-term residents, young professionals, families and seniors.

### Downtown and Economic Development

Plan for additional structured parking, cultivate and support independent retail, protect the Town’s historic character, and continue to invest in streetscape and place-making projects in downtown.

### Expand Recreational Opportunities

Provide amenities to improve the user experience in the park system, plan for indoor recreation improvements, continue to invest in trails and outdoor recreation and further develop the supporting infrastructure for high-quality parks.

### Community Wellbeing and Engaged Community

Promote initiatives and events to enhance community wellbeing and residents’ connection to each other, individually and institutionally.

### Continuing Community Values

- **Environmental Sustainability** - Continue the Town’s environmental sustainability efforts to implement the Town’s Climate Action Plan.
- **Neighborhood Quality** - Continue the ongoing focus on code enforcement activities in key neighborhoods to address negative impacts of rental properties. Continue to look for and use all tools available to the town for effective neighborhood code enforcement.
- **Affordable Housing** – Continue to support the development of affordable housing in Blacksburg and the surrounding region.
- **Regional Cooperation** – Continue positive relationships with Virginia Tech and neighboring communities in the New River Valley. Work to build closer working relationships with the Roanoke Valley and communities in Southwest Virginia.



**Capital Improvement Program**

**Department**

TITLE:  
 STATUS:  
 PROJECT DESCRIPTION:

OPERATING IMPACT:

GOAL ADDRESSED:

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
						0

**BLACKSBURG CAPITAL IMPROVEMENT PROGRAM**  
**COST ESTIMATE DETAIL SHEET**  
**REQUIRED**

**Department:**

**Project Title:**

**Total Costs Current Dollars**

A. Planning, Engineering and Design	
B. Land Acquisition	
C. Construction (Sum of 1 and 2 below)	
1. Construction Cost	
2. Construction Contingency 5% New Construction x Construction Cost 10% Renovation x Construction Cost	
D. Equipment (Furnishings, Vehicles, etc.)	
E. Consultant Study	
<b>F. Inflation (1 + 2 x .025) (per year)</b>	
<b>Total Project Estimate</b>	

**Source of Estimate:**

**Funding Options/Alternatives:**

**Estimated New Annual Operating Expenses (if any):**

Additional Positions (F/T)	
Additional Positions (P/T)	
Capital Equipment	
Operating Costs Excluding Capital Equipment	
Total Costs	
Anticipated Revenue	
Net Costs	

**Departments Impacted:**

**Explanation:**

# Financial Analysis

As an aid to comprehensive financial planning, this section examines both historical and projected revenues and expenditures of the Town. This section also includes the "Principles of Sound Financial Management." A series of financial trend indicators are included to provide a gauge for evaluating the Town's financial condition.

Projected revenues and expenditures are based on assumptions given current economic trends, historical growth and anticipated State funding levels. Also included are tables reflecting the Town's debt service obligation and those obligations relative to total General Fund expenditures.

## Principles of Sound Financial Management

### Introduction

These principles set forth the broad framework for overall fiscal planning and management of the Town's resources. In addition, these principles address both current activities and long-term planning. Every two years, following a Council election, these principles will be reviewed to assure the highest standards of fiscal management.

### Overall Goals

The financial goals of the Town of Blacksburg are designed to ensure the Town's sound financial condition at all times.

1. **Sound Financial Condition** may be defined as:
  - ✓ Cash Solvency - The ability to pay bills.
  - ✓ Budgetary Solvency - The ability to annually balance the budget.
  - ✓ Long Term Solvency - The ability to pay future costs.
  - ✓ Service Level Solvency - The ability to provide needed and desired services.
2. **Flexibility** is a goal that ensures that the Town is in a position to react and respond to changes in the economy and new service challenges without measurable financial stress.
3. **Adherence to Best Accounting and Management Practices** in conformance with generally accepted accounting procedures as applied to governmental units, and the standards of the Governmental Accounting Standards Board (GASB) and the Government Finance Officers Association (GFOA).

### Financial Principles

1. **A balanced budget** should be prepared annually by the Town Manager and forwarded to the Town Council for consideration.
2. **Ongoing operating costs** should be funded by ongoing revenue sources. This protects the Town from fluctuating service levels and avoids concern when one-time revenues are reduced or removed. In addition:
  - a. **Cash balances** should be used only for one-time expenditures, such as land acquisition, capital improvements and capital equipment or special one-time expenditures.
  - b. **Federal grants** should not financially support essential Town services. Federal grant monies should be tied to programs and services with the understanding that those services delivered with grant funding may be revised and altered based on grant funding availability.
  - c. **New operating costs associated with capital projects** should be funded through the operating budget but identified and outlined in the Capital Improvement Program.
3. The Town Manager should forward to the Town Council a quarterly financial report identifying meaningful trends in budget to actual for both revenues and expenditures for all major funds.

4. Department Heads are responsible for managing departmental budgets within the total appropriated budget.
5. Replacement of Town vehicles, including Fire, Rescue and Police vehicles, should be fully funded through the Equipment Replacement Fund.
6. The Town's goal is to add \$120,000 annually to a capital reserve to set aside funds for future debt service or to be utilized for capital projects. Withdrawals from the reserve are only for "down payments" for large capital projects, to transition to debt service, or an emergency approved by Town Council.
7. The Town's goal is to budget an amount of cash (pay-as-you-go) funding for capital projects equal to 5% of General Fund revenues (less capital transfers), with a minimum level of 3%. While it is the Town's intent to use this pay-as-you-go funding annually for capital projects, should revenue shortfalls or unanticipated operating expenditures occur in the General Fund, this funding may be used as a source of budgetary flexibility.
8. Financial Trend Indicators should be prepared and reviewed annually to determine the Town's financial condition. Town Council will review these indicators prior to the development of the Capital Improvement Program and annual operating budget. The Financial Trend Monitoring System (FTMS) offers the following:
  - a. A method for quantifying a significant amount of information in relatively simple terms to gain better understanding of the Town's financial condition;
  - b. Places the events of a single year into a longer perspective and permits the Town to evaluate trends; and,
  - c. A straightforward picture of financial strengths and weaknesses.
9. General Fund *Unassigned Fund Balance* is targeted at no less than 10% of operating expenditures exclusive of capital improvements. However, the Town will strive to increase the level to a target of 15% of operating expenditures exclusive of capital improvements. Unassigned Fund Balances should only be used for one-time uses. Bond Proceeds should be deposited and budgeted into the Capital Project Funds.
10. The Town Council may, from time-to-time, appropriate fund balances that will reduce available fund balances below the 10% policy for the purposes of a declared fiscal emergency or other such global purpose as to protect the long-term fiscal security of the Town. In such circumstances, the Council will adopt a plan to restore the available fund balances to the policy level within 36 months from the date of the appropriation. If restoration cannot be accomplished within such time period without severe hardship to the Town, then the Council will establish a different but appropriate time period.
11. Tax-supported debt service should strive to be less than 10% and not exceed 15% of operating expenditures exclusive of capital improvements.
12. The Town intends to maintain its ten-year tax-supported debt and lease payout ratio at or above 60% at the end of each adopted five-year Capital Improvement Program.
13. Net Debt as a percentage of total assessed value of taxable property should not exceed 2.0%. Net Debt is defined as any and all debt that is tax-supported.
14. A five-year financial forecast should be developed annually to determine net capital financing potential, to react to changes in the economy, and to accommodate regulatory and legislative mandates.
15. Investment practices should be in accordance with the Town's Investment and Portfolio Policy. The Investment and Portfolio Policy should be reviewed by Town Council every two years. The Town Manager should forward to the Town Council a quarterly investment report.

16. The Town shall annually prepare an Annual Comprehensive Financial Report and should seek recognition from the GFOA by applying for and receiving the organization's Certificate of Excellence in Financial Reporting. In addition, the Town should seek recognition by applying for and receiving the GFOA Distinguished Budget Presentation Award.
17. The Midtown Special Service District shall be operated as a Special Revenue Fund. The Midtown Special Service District Fund was created for the purpose of providing financing for a higher level of public services within the service district. This purpose includes the costs of construction and related debt service of a public parking garage, as well as services required to provide maintenance and operation of the garage. Within the Midtown Special Service District, beginning January 1, 2021, there is levied and imposed for each calendar year, in addition to the real estate tax levied by Town Code 22-200, an additional tax of \$0.20 per hundred dollars of assessed valuation on all real estate and the improvements thereon not expressly exempt from taxation. All of the additional real estate tax from the Midtown Special Service District is dedicated to this fund. Furthermore, the Town will also earmark 85% of the meals and lodging taxes generated from entities located in the Service District to this fund. At a minimum, these revenues should be sufficient to fund the debt service of the public parking garage.
18. The Town operates four enterprise funds: Water and Sewer, Solid Waste and Recycling, Stormwater and Transit. Enterprise Funds should be self-sufficient. Solid Waste and Recycling and Stormwater Funds should include a reserve of at least three months expenditures for operations and maintenance. Transit should include a reserve of at least nine months expenditures for operations and maintenance. Enterprise Funds should be charged for indirect administrative costs performed by other Town departments. Revenue should be sufficient to fund operations, capital improvements, equipment replacement and department service.
19. To maintain the integrity of the Water and Sewer Fund the following goals should be achieved:
  - a. Maintain a cash balance in the Water and Sewer Fund at a target of six months expenditures for operations and maintenance of the systems plus 3% of fixed assets for a renewal and replacement reserve.
  - b. Maintain a ratio of Net Revenues (Revenues less Operations not including Depreciation) of at least 1.50x debt service requirements without considering new availability revenues.
20. User fees for all operations should be reviewed annually to ensure rates are market competitive and defray operating costs. In the case of Enterprise Funds and Internal Service Funds, fees should be reviewed annually to ensure that revenues generate sufficient funds to cover the total cost of services.
21. A five-year Capital Improvement Program should be prepared each year at least three months prior to the submission of the budget.

### **Principles of Sound Financial Management**

Adopted by Town Council: **April 23, 1996**

Revised by Town Council: **July 14, 1998**

Revised by Town Council: **August 24, 2004**

Revised by Town Council: **November 23, 2010**

Revised by Town Council: **February 23, 2016**

Revised by Town Council: **September 24, 2019**

Revised by Town Council: **March 23, 2021**

# INDICATOR 1

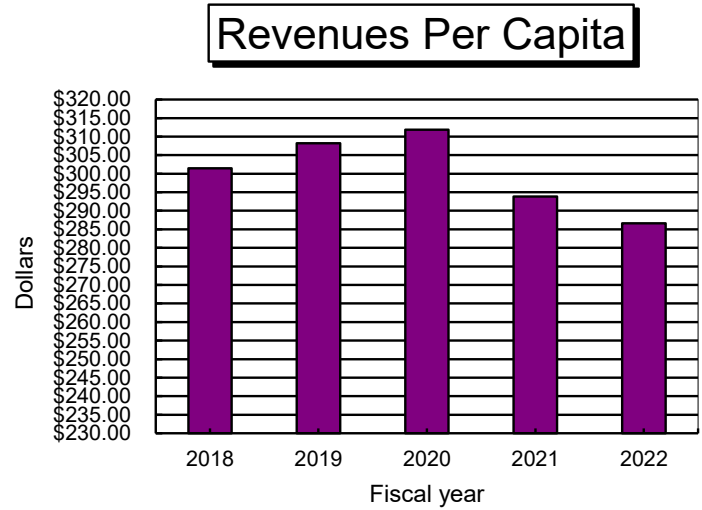
## Revenues Per Capita

### Trend to Watch For:

Decreasing net operating revenues per capita (constant dollars)

### Formula:

$$\frac{\text{Net operating revenues \& transfers (constant dollars)}}{\text{Population}}$$



Fiscal year:	2018	2019	2020	2021	2022
Net operating revenues and transfers	\$32,753,712	\$33,947,309	\$34,099,295	\$33,894,271	\$37,034,362
Consumer price index	243.8	246.5	247.2	261.7	287.4
Net operating revenues & transfers (constant dollars)	\$13,434,664	\$13,771,728	\$13,794,213	\$12,951,575	\$12,884,206
Current population	44,563	44,678	44,233	44,074	44,949
<b>Net operating revenues &amp; transfers per capita (constant dollars)</b>	<b>\$301.48</b>	<b>\$308.24</b>	<b>\$311.85</b>	<b>\$293.86</b>	<b>\$286.64</b>

### Analysis:

Examining per capita revenues shows changes in revenues relative to changes in population size and rate of inflation (Consumer Price Index for Urban Wage Earners/Clerical with base years 1982-1984 equal to 100). FY 2018 thru FY 2020 shows the recovery in the local economy especially in the economic sensitive areas such as meals taxes and sales taxes and stable state funding. In FY 2021 and FY 2022, the per capita decrease is due to the impact on economic sensitive taxes such as meals and lodging taxes that were severely impacted by the COVID-19 related closures and other mitigation measures. In FY 2019, the per capita increase is due to a half year impact of the 2019 reassessment, a full year of the real estate tax rate increase from \$0.25 to \$0.26 and strong sales, meals and hotel tax revenues. In FY 2020, the per capita increase is mainly due to the full year impact of the 2019 reassessment and the strength of meals and lodging taxes before the COVID-19 related closures.

## INDICATOR 2

### Sales Tax Revenues Per Capita

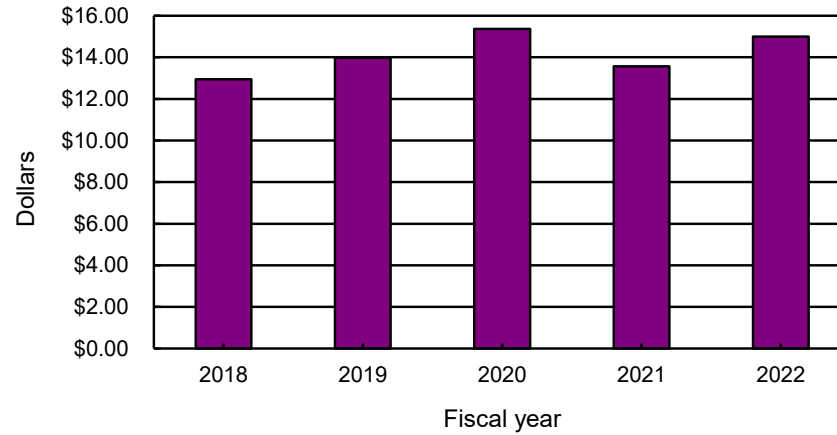
**Trend to Watch For:**

Decreasing net sales tax revenues per capita (constant dollars)

**Formula:**

$$\frac{\text{Net Sales Tax Revenues (constant dollars)}}{\text{Population}}$$

Sales Tax Revenues Per Capita



Fiscal year:	2018	2019	2020	2021	2022
Net Sales Tax Revenues	\$1,405,973	\$1,538,871	\$1,680,496	\$1,565,613	\$1,938,012
Consumer price index	243.8	246.5	247.2	261.7	287.4
Net Sales Tax Revenues (constant dollars)	\$576,691	\$624,288	\$679,812	\$598,247	\$674,326
Current population	44,563	44,678	44,233	44,074	44,949
<b>Net Sales Tax Revenues per Capita (constant dollars)</b>	<b>\$12.94</b>	<b>\$13.97</b>	<b>\$15.37</b>	<b>\$13.57</b>	<b>\$15.00</b>

**Analysis:**

Sales Tax is a major revenue category for the Town and is an indicator of the strength of the regional economy. The increase in FY 2019 was state-wide and may have been due to the Wayfair court case. The increase in FY 2020 was due to the continuation of strong 2019 sales before the pandemic and the strong grocery sales after the pandemic in late FY 2020. The decrease in FY 2021 is due to the pandemic and the impact of inflation on sales. The increase in FY 2022 is due to the impact of increased demand after the pandemic slow-down.

**Basis for Distribution:**

One percent of the State sales tax collected in Montgomery County is returned by the Commonwealth to Montgomery County. From this 1%, the County receives an automatic 50% and the remaining 50% is allocated, using school age population in the incorporated towns and in the surrounding County as the basis for distribution. There are three localities sharing in the one-half of one percent: Blacksburg, Christiansburg and Montgomery County. Blacksburg's share of the school age population was 27.69% in FY 2012, 27.01% in FY 2013, 23.62% in FY 2014, 22.36% in FY 2015, 22.73% in FY 2016, 22.58% in FY 2017, 22.42% in FY 2018, 22.99% in FY 2019, 22.74% in FY 2020, 22.71% in FY 2021 and 22.59% in FY 2022. In FY 2014, the state changed the definition of school age population. In FY 2023, the school age population is 21.73% and is projected to be 22.46% in FY 2024.



### INDICATOR 3

## Meals Tax Revenues Per Capita

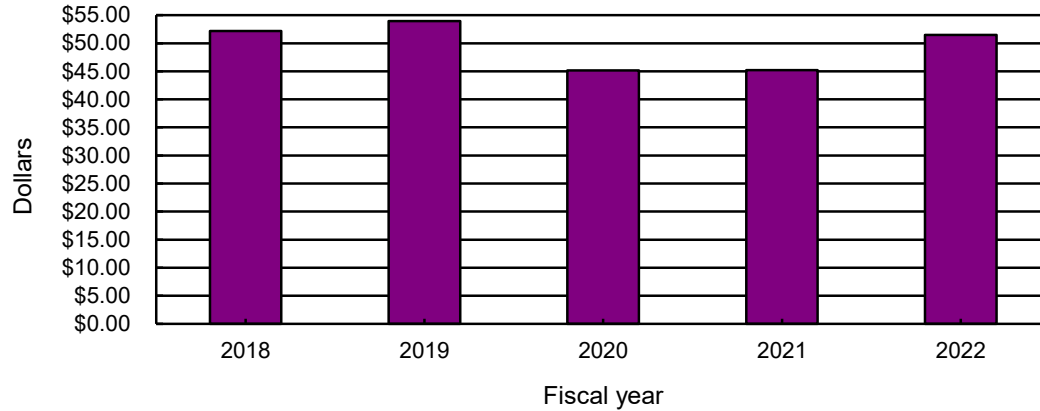
**Trend to Watch For:**

Decreasing meals tax revenues per capita (constant dollars)

**Formula:**

$$\frac{\text{Meals Tax Revenues (constant dollars)}}{\text{Population}}$$

**Meals Tax Revenues Per Capita**



Fiscal year:	2018	2019	2020	2021	2022
Meals Tax Revenues	\$5,667,284	\$5,940,803	\$4,938,769	\$5,214,616	\$6,649,113
Consumer price index	243.8	246.5	247.2	261.7	287.4
Meals Tax Revenues (constant dollars)	\$2,324,563	\$2,410,062	\$1,997,884	\$1,992,593	\$2,313,540
Current population	44,563	44,678	44,233	44,074	44,949
<b>Meals Tax Revenues (constant dollars)</b>	<b>\$52.16</b>	<b>\$53.94</b>	<b>\$45.17</b>	<b>\$45.21</b>	<b>\$51.47</b>

**Analysis:**

The increase in FY 2019 is mainly due to new restaurants that have opened during the last few years and the stabilization of the restaurant industry. The reduction in FY 2020 is due to the state-mandated closing of restaurants and later occupancy limits due to COVID-19. Also, Virginia Tech's virtual classes after spring break, the loss of the Virginia Tech spring football game and a virtual graduation for Virginia Tech all in the last quarter of FY 2020 significantly reduced this revenue source. In FY 2021, Virginia Tech students returned to campus but football was closed to spectators and graduation was limited which continued to reduce this revenue. In FY 2022, football and graduation returned to normal operations.

## INDICATOR 4

### Intergovernmental Revenues

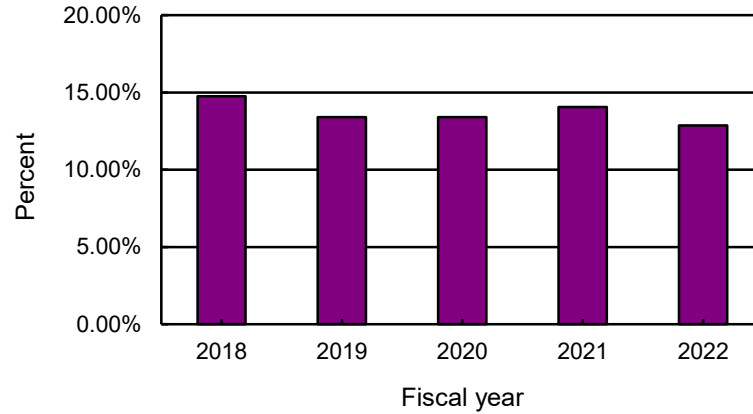
### Intergovernmental Revenues

**Trend to Watch For:**

Decreasing amount of intergovernmental revenues as a percentage of gross operating revenues

**Formula:**

$$\frac{\text{Intergovernmental operating revenues}}{\text{Gross operating revenues}}$$



Fiscal year:	2018	2019	2020	2021	2022
Net Intergovernmental Revenues	\$4,833,556	\$4,547,672	\$4,587,086	\$4,763,117	\$4,764,059
Gross Operating Revenues	\$32,753,712	\$33,954,590	\$34,213,950	\$33,894,271	\$37,034,362
<b>Intergovernmental Revenues as a Percent of Gross Operating Revenues</b>	<b>14.76%</b>	<b>13.39%</b>	<b>13.41%</b>	<b>14.05%</b>	<b>12.86%</b>

**Analysis:**

Intergovernmental revenues over the five-year period have been stable which corresponds with the state budget environment. This area of revenue bears close scrutiny given the current economy and the state's budget condition. FY 2018 included a VDOT paving grant and beginning in FY 2019, wireless E911 revenues are being received by the regional E911 center.

# INDICATOR 5

## Property Tax Revenues

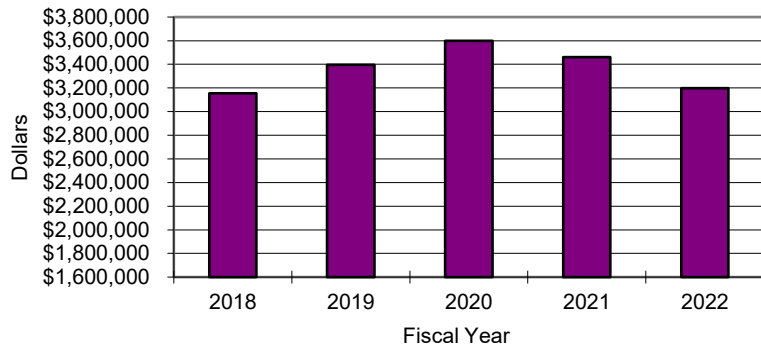
### Trend to Watch For:

Decline in property tax revenues (constant dollars)

### Formula:

$$\frac{\text{Property Tax Revenues}}{\text{(constant dollars)}}$$

Property Tax Revenues



Fiscal year:	2018	2019	2020	2021	2022
Property Tax Revenues	\$7,690,970	\$8,373,644	\$8,895,365	\$9,056,741	\$9,192,185
Consumer Price Index	243.8	246.5	247.2	261.7	287.4
CPI Converted to Decimal	2.438	2.465	2.472	2.617	2.874
<b>Net Property Tax Revenues (constant dollars)</b>	<b>\$3,154,623</b>	<b>\$3,397,016</b>	<b>\$3,598,449</b>	<b>\$3,460,734</b>	<b>\$3,198,394</b>

### Analysis:

Trends indicate that real estate tax revenues were generally stronger than inflation until 2021. The reassessment is performed every four years. The increase in 2019 is due to a full year impact of the tax rate increase from \$0.25 to \$0.26 and a half year impact of the 2019 reassessment. The increase in 2020 is due to the full year impact of the 2019 reassessment. The decrease in 2021 is due to the redevelopment of two large multi-family developments and the resulting reduction in their assessments due to the demolition of the buildings. The decrease in 2022 is due to the impact of high inflation with no reassessment until 2023.

# INDICATOR 6

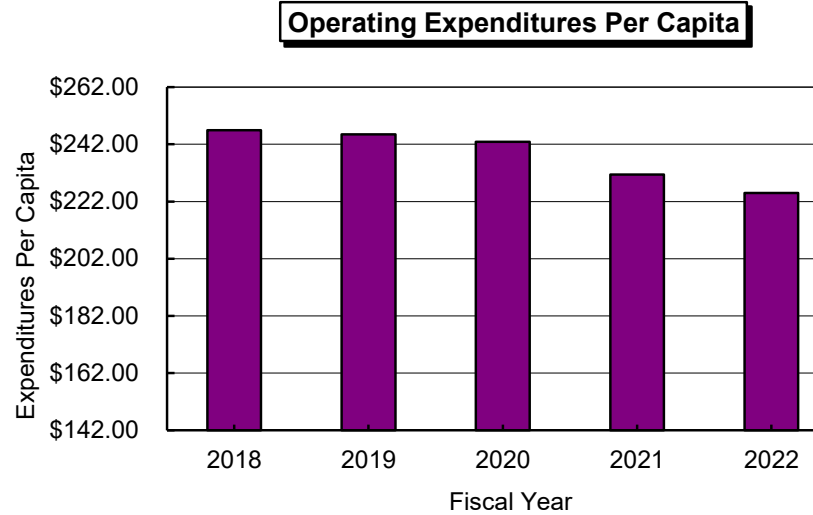
## Operating Expenditures Per Capita

### Trend to Watch For:

Increasing net operating expenditures per capita (constant dollars)

### Formula:

$$\frac{\text{Net operating expenditures (constant dollars)}}{\text{Population}}$$



Fiscal year:	2018	2019	2020	2021	2022
Net operating expenditures	\$26,824,480	\$27,032,101	\$26,556,556	\$26,687,660	\$29,061,914
Consumer price index	243.8	246.5	247.2	261.7	287.4
Net operating expenditures (constant dollars)	\$11,002,658	\$10,966,370	\$10,742,943	\$10,197,807	\$10,112,009
Estimated population	44,563	44,678	44,233	44,074	44,949
<b>Net operating expenditures per capita (constant dollars)</b>	<b>\$246.90</b>	<b>\$245.45</b>	<b>\$242.87</b>	<b>\$231.38</b>	<b>\$224.97</b>

### Analysis:

Per Capita Expenditures per 2021 Comparative Cost Report:  
(No Education or Welfare)

Montgomery County	\$529	Blacksburg	\$741
Roanoke County	\$1,160	Christiansburg	\$1,304
Roanoke City	\$1,581	Wytheville	\$2,048
Radford City	\$1,238	Leesburg	\$1,160
		Herndon	\$1,285
		Vinton	\$1,044
		Pulaski	\$1,080

# INDICATOR 7

## Employees Per Capita

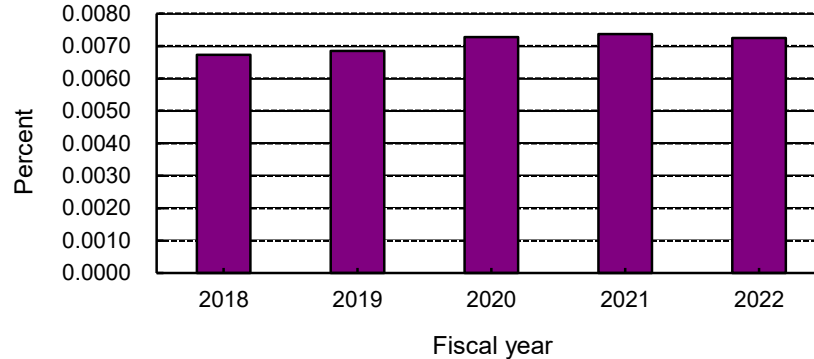
### Trend to Watch For:

Increasing number of municipal employees per capita.

### Formula:

$$\frac{\text{Number of municipal employees}}{\text{Population}}$$

Number of Full-Time Municipal Employees Per Capita



Fiscal year:	2018	2019	2020	2021	2022
Number of full-time municipal employees	300	306	322	325	326
Current population	44,563	44,678	44,233	44,074	44,949
<b>Number of full-time municipal employees per capita</b>	<b>0.0067</b>	<b>0.0068</b>	<b>0.0073</b>	<b>0.0074</b>	<b>0.0073</b>

### Analysis:

This indicator compares the number of full-time employees to the population. The number of employees has increased each year over the five years to efficiently cover service areas. Municipal employees include all full-time personnel contained in the General Fund, Equipment Operations, Solid Waste & Recycling, Blacksburg Transit (not including wage bus operators), Stormwater and Water and Sewer Funds. The increase in 2019 is due to the addition of three full-time bus operators in Transit and three positions in the General Fund to more effectively cover service areas such as public safety and technology. The increase in 2020 is due to the addition of thirteen positions in Transit (including ten full-time bus operators) and three positions in the General Fund. The increase in 2021 is due to the addition of four positions in Transit (including two full-time bus operators) and the decrease of one position in the General Fund. The increase in 2022 is due to the addition of one position in the General Fund.

# INDICATOR 8

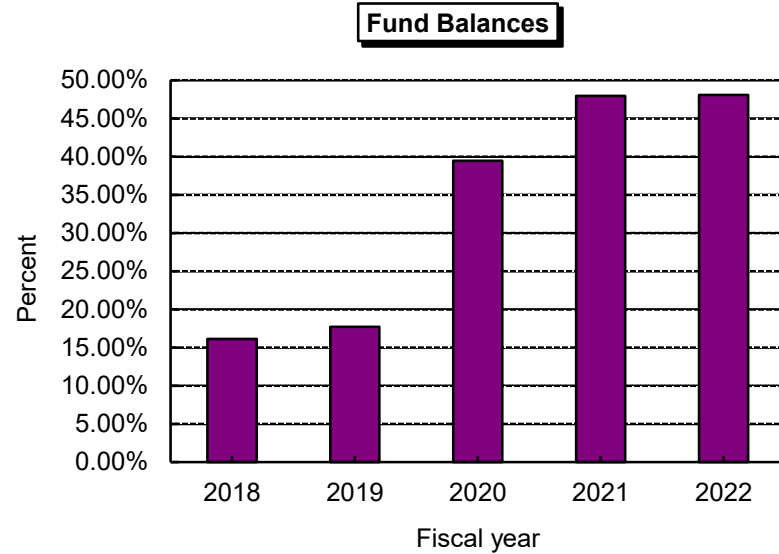
## Fund Balances

### Trend to Watch For:

Declining unreserved fund balances as a percentage of net operating expenditures.

### Formula:

$$\frac{\text{Unreserved fund balances}}{\text{Net operating expenditures}}$$



Fiscal year:	2018	2019	2020	2021	2022
Unreserved General Fund Balance	\$4,758,906	\$5,261,085	\$11,410,069	\$14,140,666	\$15,535,651
Net Operating Expenditures with debt svc	\$29,470,884	\$29,693,984	\$28,926,197	\$29,479,683	\$32,314,676
<b>Unreserved General Fund Balance as a Percentage of Net Operating Expenditures</b>	<b>16.15%</b>	<b>17.72%</b>	<b>39.45%</b>	<b>47.97%</b>	<b>48.08%</b>

### Analysis:

This indicator reflects the Town's capacity to deal with the unexpected or emergency situations. Town Council's policy is to target a minimum undesignated fund balance equal between 10% and 15% of net operating expenditures exclusive of capital improvements. The declines in fund balance, while still maintaining the Town Council policy, are due to the use of fund balance for one-time capital purchases. The increase in FY 2020 is due to the postponement of cash-funded capital and equipment purchases to ensure the availability to cover operations with reduced revenues due to the impacts of COVID-19. The increases in FY 2021 and FY 2022 are due to the actual results being better than the budgeted and therefore fund balance was not used as budgeted.

# INDICATOR 9

## Long-term Debt

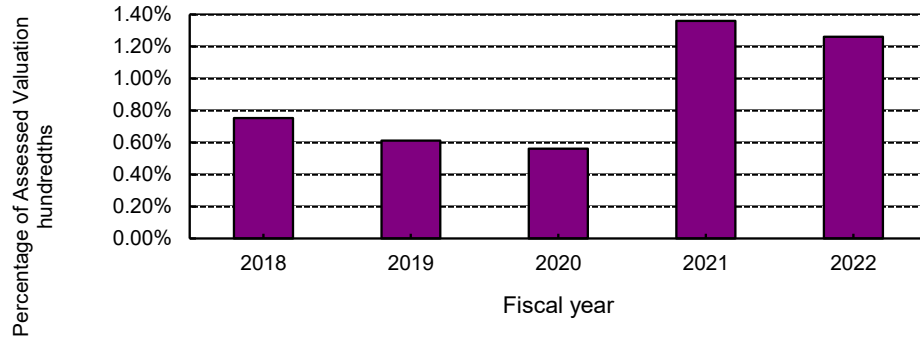
### Trend to Watch For:

Increasing net direct bonded long-term debt as a percentage of assessed valuation.

### Formula:

$$\frac{\text{Net direct bonded long-term debt}}{\text{Assessed Valuation}}$$

Long-term Debt as a Percentage of Assessed Valuation



Fiscal year:	2018	2019	2020	2021	2022
Assessed Valuation	\$3,016,013,200	\$3,417,977,000	\$3,423,801,746	\$3,468,769,218	\$3,576,441,568
Net Direct Long-term General Fund Debt	\$22,728,650	\$20,933,558	\$19,248,304	\$47,154,600	\$45,103,360
<b>Net Direct Long-term Debt as a Percentage of Assessed Valuation</b>	<b>0.75%</b>	<b>0.61%</b>	<b>0.56%</b>	<b>1.36%</b>	<b>1.26%</b>

### Analysis:

The State mandated legal maximum debt the Town may incur is 10% of assessed valuation. Low debt percentages are an indication of a locality's ability to finance future bond issues coupled with the indicator that measures net debt against net operating revenues. The Town is well within the legal debt maximum of 10% of assessed real estate valuation. The 2019 increase in assessed value is due to the 2019 reassessment. The increase in debt in 2021 is due to the 2020 bonds for the new police building and the Midtown parking garage.

# INDICATOR 10

## Capital Outlay

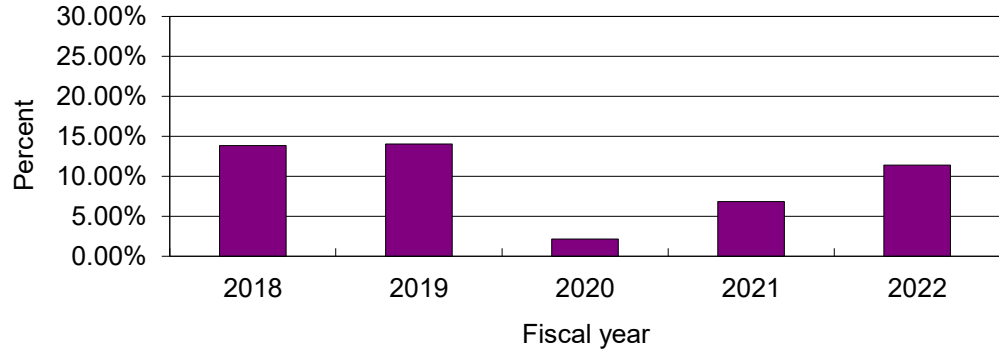
### Capital Outlay

**Trend to Watch For:**

A three or more year decline in capital outlay as a percentage of net operating expenditures

**Formula:**

$$\frac{\text{Capital outlay}}{\text{Net operating expenditures}}$$



Fiscal year:	2018	2019	2020	2021	2022
Total capital outlay	\$3,708,734	\$3,797,305	\$576,795	\$1,828,156	\$3,314,383
Operating expenditures and transfers	\$26,824,480	\$27,032,101	\$26,556,556	\$26,687,660	\$29,061,914
<b>Capital outlay as a percentage of expenditures</b>	<b>13.83%</b>	<b>14.05%</b>	<b>2.17%</b>	<b>6.85%</b>	<b>11.40%</b>

**Analysis:**

Yearly fluctuations in this indicator are the result of the timing and magnitude of different capital projects. The decrease in FY 2020 is due to the postponement of cash-funded capital and equipment purchases to ensure the availability to cover operations with reduced revenues due to the impacts of COVID-19. The increases in FY 2021 and FY 2022 are due to the gradual return of cash-funded capital purchases.



## INDICATOR 11

### Water and Sewer Rates

Fiscal Year	Water Rate	Water Fixed	Sewer Rate	Sewer Fixed
2019	\$6.90	\$2.94	\$5.80	\$2.96
2020	\$7.20	\$2.94	\$6.02	\$2.96
2021	\$7.30	\$3.09	\$6.09	\$3.11
2022	\$7.46	\$3.09	\$6.15	\$3.11
2023	\$7.69	\$3.09	\$6.60	\$3.11

#### Analysis:

In FY 1994 the billing structure changed based on a consultant's study from a declining volume rate with a minimum bill system to a fixed billing charge and one volume rate. The rate increases are consistent with the consultant's recommendation. The increases in FY 2020 thru FY 2023 water rates are due to large increases from the Water Authority due to significant capital improvements. The increase in FY 2023 sewer rate is due to two large Town capital projects.

# INDICATOR 12

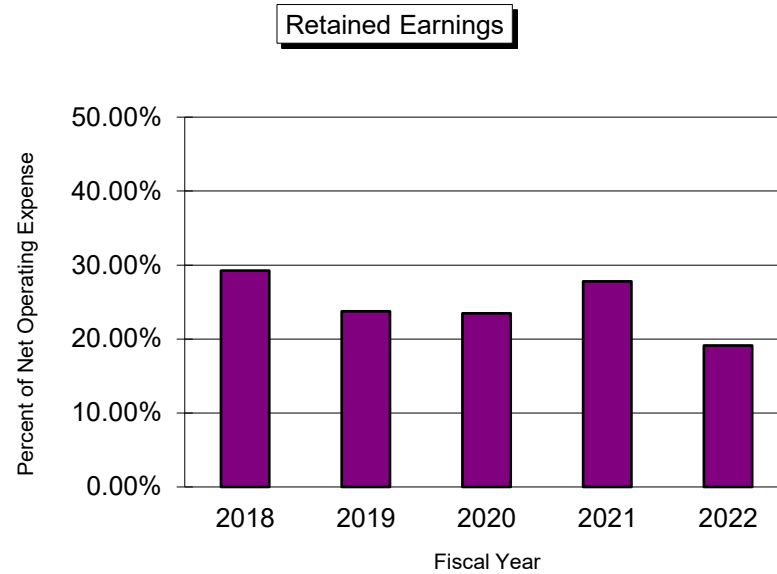
## Retained Earnings - Water and Sewer Fund

### Trend to Watch For:

Declining unreserved retained earnings as a percentage of net operating expenses

### Formula:

$$\frac{\text{Unreserved retained earnings}}{\text{Net operating expenses}}$$



Fiscal year:	2018	2019	2020	2021	2022
Unreserved Water & Sewer Fund Retained Earnings	\$2,851,584	\$2,540,935	\$2,533,750	\$3,032,235	\$2,180,892
Net Operating Expenses	\$9,749,121	\$10,698,686	\$10,792,968	\$10,908,363	\$11,401,882
<b>Unreserved Water &amp; Sewer Retained Earnings as a Percentage of Net Operating Expenses</b>	<b>29.25%</b>	<b>23.75%</b>	<b>23.48%</b>	<b>27.80%</b>	<b>19.13%</b>

### Analysis:

The declines in retained earnings are consistent with the comprehensive consultant study on water/sewer rates. The declines in retained earnings are due to capital projects and in line with the study to use retained earnings to fund capital projects. Future large projects will be funded with General Obligation Bonds.

# INDICATOR 13

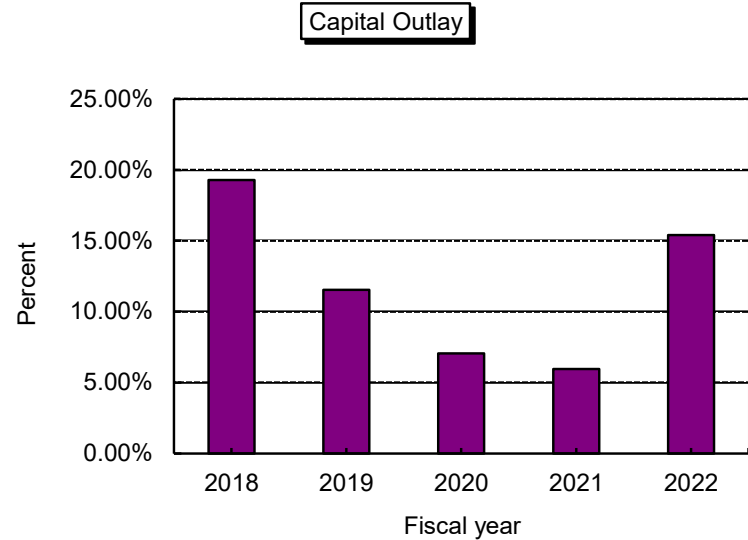
## Capital Outlay - Water and Sewer Fund

### Trend to Watch For:

A three or more year decline in capital outlay as a percentage of net operating expenses and transfers.

### Formula:

$$\frac{\text{Capital outlay}}{\text{Net operating expenditures}}$$



Fiscal year:	2018	2019	2020	2021	2022
Total capital outlay	\$1,880,088	\$1,233,992	\$762,139	\$649,700	\$1,757,012
Operating expenses and transfers	\$9,749,121	\$10,698,686	\$10,792,968	\$10,908,363	\$11,401,882
<b>Capital outlay as a percentage of expenses and transfers</b>	<b>19.28%</b>	<b>11.53%</b>	<b>7.06%</b>	<b>5.96%</b>	<b>15.41%</b>

### Analysis:

Yearly fluctuations in this indicator are the result of the timing and magnitude of different capital projects. The reduction in FY 2020 is due to the postponement of cash-funded capital projects to ensure the availability of Retained Earnings to cover operations with reduced revenues due to the impacts of COVID-19.

# INDICATOR 14

## Debt Service - Water and Sewer Fund

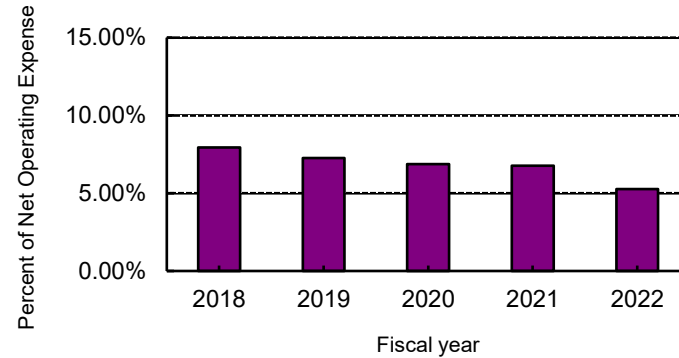
### Trend to Watch For:

Increasing debt service as a percentage of net operating expenses.

### Formula:

$$\frac{\text{Debt Service}}{\text{Net operating Expenses}}$$

Debt Service as a Percent of Net Operating Expense



Fiscal year:	2018	2019	2020	2021	2022
Debt Service	\$775,031	\$777,081	\$740,575	\$738,990	\$600,495
Net Operating Expenses	\$9,749,121	\$10,698,686	\$10,792,968	\$10,908,363	\$11,401,882
<b>Debt Service as a Percentage of Net Operating Expenses</b>	<b>7.95%</b>	<b>7.26%</b>	<b>6.86%</b>	<b>6.77%</b>	<b>5.27%</b>

### Analysis:

This analysis shows a favorable trend of debt service expenses as a percentage of net operating expenses over the five year period. This trend is caused by stable debt service payments.

# INDICATOR 15

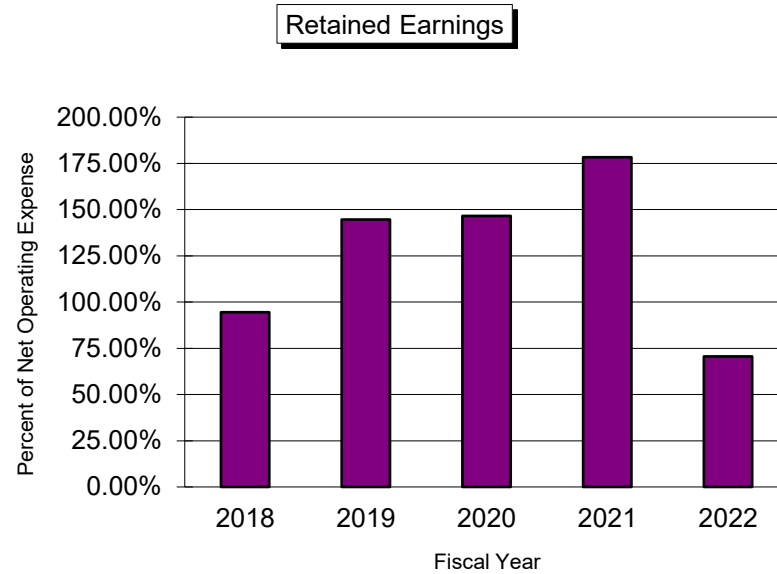
## Retained Earnings - Storm Water Fund

### Trend to Watch For:

Declining unreserved retained earnings as a percentage of net operating expenses

### Formula:

$$\frac{\text{Unreserved retained earnings}}{\text{Net operating expenses}}$$



Fiscal year:	2018	2019	2020	2021	2022
Unreserved Storm Water Fund Retained Earnings	\$657,785	\$1,089,071	\$1,048,187	\$1,309,078	\$561,157
Net Operating Expenses	\$696,123	\$753,024	\$715,024	\$734,132	\$794,923
<b>Unreserved Water &amp; Sewer Retained Earnings as a Percentage of Net Operating Expenses</b>	<b>94.49%</b>	<b>144.63%</b>	<b>146.59%</b>	<b>178.32%</b>	<b>70.59%</b>

### Analysis:

This fund began January 1, 2015. The fund was building retained earnings to fund future capital projects. In FY 2022, a large repair project reduced retained earnings but future projects were not postponed.

# History of Property Tax Revenue

## For the Last Six Fiscal Years

(TABLE 1)

Fiscal Year	Assessed Value		Tax Rate	Current Levy		Current Collections	Total Collections as a % of Levy <sup>1</sup>	Total Revenue from Property Taxation <sup>1</sup>	
	Amount	Percent Change		Amount	Percent Change			Amount	Percent Change
2022	\$3,576,441,566	3.10%	\$0.26	\$9,170,569	1.27%	\$9,131,917	99.70%	\$9,192,185	1.50%
2021	\$3,468,769,218	1.31%	\$0.26	\$9,055,726	1.88%	\$9,048,623	99.92%	\$9,056,741	1.81%
2020	\$3,423,801,746	0.17%	\$0.26	\$8,888,776	6.42%	\$8,820,193	99.23%	\$8,895,365	6.23%
2019	\$3,417,977,000 <sup>2</sup>	13.33%	\$0.26	\$8,352,877	9.89%	\$8,326,217	99.68%	\$8,373,644	8.88%
2018	\$3,016,013,200	2.41%	\$0.25/0.26 <sup>3</sup>	\$7,601,144	4.89%	\$7,645,762	100.59%	\$7,690,970	5.75%
2017	\$2,945,059,500	2.89%	\$0.25	\$7,246,451	2.17%	\$7,240,295	99.92%	\$7,272,645	2.73%

<sup>1</sup>Includes current taxes, delinquent taxes, and interest on delinquent taxes.

<sup>2</sup>Increase due to reassessment of real property effective January 1, 2019.

<sup>3</sup>Increase in tax rate from \$0.25 to \$0.26 effective for the second billing in FY 2018.

History of  
**General Fund Revenue**  
**Other than Property Tax**  
 For the Last Six Fiscal Years

(TABLE 2)

Fiscal Year	Intergovernmental Revenues		Other Local Taxes and Licenses		Charges for Rental of Properties and Current Services		All Other Revenue Including Interfund Transfers		Total Revenue	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2022	\$4,591,555	(0.2)%	\$17,431,608	18.27%	\$1,489,766	0.56%	\$4,108,929 <sup>1</sup>	0.28%	\$27,621,858	10.85%
2021	\$4,600,692	3.81%	\$14,738,456	(3.82)%	\$1,481,476	(15.05)%	\$4,097,317 <sup>2</sup>	10.61%	\$24,917,941	(1.13)%
2020	\$4,431,857	0.72%	\$15,323,779	(1.19)%	\$1,743,931	7.64%	\$3,704,363 <sup>3</sup>	(8.43)%	\$25,203,930	(1.45)%
2019	\$4,400,152	(6.20)%	\$15,507,921	4.08%	\$1,620,205	(2.25)%	\$4,045,387 <sup>4</sup>	(2.09)%	\$25,573,665	0.76%
2018	\$4,691,071	3.72%	\$14,899,486	7.63%	\$1,657,455	8.77%	\$4,131,877 <sup>5</sup>	22.64%	\$25,379,889	9.12%
2017	\$4,522,761	3.77%	\$13,843,214	(1.35)%	\$1,523,755	0.97%	\$3,369,035	(13.46)%	\$23,258,765	(2.25)%

<sup>1</sup>Receipt of interfund transfers of \$2,417 from General Fund Capital Improvement Fund.

<sup>2</sup>Receipt of \$295,000 bond proceeds for issuance costs.

<sup>3</sup>Receipt of interfund transfers of \$108,841 from General Fund Capital Improvement Fund.

<sup>4</sup>Receipt of interfund transfers of \$205,391 from General Fund Capital Improvement Fund.

<sup>5</sup>Receipt of \$150,000 bond proceeds for issuance costs and interfund transfers of \$392,306 from General Fund Capital Improvement Fund.

History of  
**General Fund Operating  
 Expenditures/Encumbrances**  
 For the Last Six Fiscal Years

(TABLE 3)

Fiscal Year	Public Works Expenditures		Public Safety Expenditures		Parks/Recreation Expenditures		All Other Operating Expenditures <sup>1</sup>		Total Operating Expenditures <sup>2</sup>	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2022	\$5,763,202	7.23%	\$10,314,787	4.59%	\$2,379,772	7.26%	\$9,420,252	14.06%	\$27,878,015	8.41%
2021	\$5,374,705	(1.49)%	\$9,862,068	4.40%	\$2,218,765	(6.45)%	\$8,259,213	(1.46)%	\$25,714,751	0.23%
2020	\$5,456,129	(5.26)%	\$9,446,838	1.49%	\$2,371,687	(3.32)%	\$8,381,671	(2.07)%	\$25,656,325	(1.62)%
2019	\$5,759,192	6.08%	\$9,307,889	0.26%	\$2,453,134	2.32%	\$8,559,245	2.54%	\$26,079,460	2.45%
2018	\$5,428,857	7.43%	\$9,283,737	3.06%	\$2,397,424	7.07%	\$8,346,834	1.73%	\$25,456,852	3.88%
2017	\$5,053,375	1.03%	\$9,007,935	4.59%	\$2,238,996	2.78%	\$8,204,877	11.97%	\$24,505,183	5.99%

<sup>1</sup>Includes Legislative, Executive, Finance, Technology, Legal, Planning and Building and Engineering/GIS.

<sup>2</sup>Does not include expenditures for debt service or capital outlay.



# Six-Year Projection of Property Tax Revenue

(TABLE 4)

Fiscal Year	Projected Assessed Value <sup>1</sup>	Projected Tax Rate Per \$100 of Assessed Value	Projected Tax Levy	Current Collection As Percentage of Levy	Projected Current Tax Revenue	Total Projected Current and Delinquent Tax Revenue
2023	\$3,841,507,000	0.26	\$9,987,919	98.5%	\$9,838,100	\$9,988,100
2024	\$4,214,096,000	0.26	\$10,956,650	98.5%	\$10,792,300	\$10,942,300
2025	\$4,256,813,585	0.26	\$11,067,716	98.5%	\$10,901,700	\$11,051,700
2026	\$4,299,961,183	0.26	\$11,179,898	98.5%	\$11,012,200	\$1,162,200
2027	\$4,430,730,168	0.26	\$11,519,898	98.5%	\$11,347,100	\$11,497,100
2028	\$4,609,410,872	0.26	\$11,984,467	98.5%	\$11,804,700	\$11,954,700

<sup>1</sup>Reassessment occurs every four years. Assumes an annual growth of 1.0% for new construction for half- year of FY 2023, an estimated reassessment of 10% for a half-year in 2023 and full-year impact of 10% in 2024, an annual growth of 1.0% for new construction in FY2025-2028, an estimated reassessment of 5% for a half-year in 2027 and full-year impact of 5% in 2028.

# Six-Year Projection of Total General Fund Revenue

(TABLE 5)

Fiscal Year	Property Tax <sup>1</sup>	Intergovernmental Revenues <sup>2</sup>	Other Local Taxes and Licenses <sup>3</sup>	Charges for Rental/Current Services <sup>4</sup>	All Other Revenue <sup>5</sup>	Total Revenue
2023	\$9,988,100	\$4,762,600	\$15,853,800	\$5,071,700	\$1,588,300	\$37,264,500
2024	\$10,942,300	\$4,857,800	\$18,421,000	\$5,322,700	\$1,641,900	\$41,185,699
2025	\$11,051,700	\$4,906,400	\$19,300,300	\$5,482,400	\$1,673,800	\$42,414,600
2026	\$11,162,200	\$4,955,500	\$20,221,800	\$5,646,900	\$3,951,900	\$45,938,300
2027	\$11,497,100	\$5,005,100	\$21,187,700	\$5,816,300	\$1,730,700	\$45,236,900
2028	\$11,954,700	\$5,055,200	\$22,200,100	\$5,990,800	\$1,028,300	\$46,229,100

<sup>1</sup> Reflects an average annual growth rate of 3.7%.  
<sup>2</sup> Reflects an average annual growth rate of 1.2%.  
<sup>3</sup> Reflects an average annual growth rate of 7.1%.  
<sup>4</sup> Reflects an average annual growth rate of 3.4%.  
<sup>5</sup> Reflects an average annual growth rate of 8.9%.

# Six-Year Projection of General Fund Operating Expenditures

(TABLE 6)

Fiscal Year	Public Works Expenditures		Public Safety Expenditures		Parks/Recreation Expenditures		All Other Operating Expenditures <sup>1</sup>		Total Amount <sup>3</sup>
	Amount	Percent Change <sup>2</sup>	Amount	Percent Change <sup>2</sup>	Amount	Percent Change <sup>2</sup>	Amount	Percent Change <sup>2</sup>	
2023	\$6,998,933	--	\$11,610,055	--	\$3,183,186	--	\$11,059,353	--	\$32,851,527
2024	\$7,387,635	5.55%	\$12,184,174	4.95%	\$3,443,256	8.17%	\$11,587,190	4.77%	\$34,602,255
2025	\$7,547,072	2.16%	\$12,455,841	2.23%	\$3,415,155	(0.82)%	\$11,827,433	2.07%	\$35,245,501
2026	\$7,659,359	1.49%	\$12,647,902	1.54%	\$3,374,161	(1.2)%	\$11,997,889	1.44%	\$35,679,311
2027	\$7,759,602	1.31%	\$12,818,199	1.35%	\$3,406,006	0.94%	\$12,147,155	1.24%	\$36,130,962
2028	\$7,876,930	1.51%	\$13,019,032	1.57%	\$3,443,658	1.11%	\$12,325,531	1.47%	\$36,665,152

<sup>1</sup> Includes Legislative, Executive, Finance, Legal, Technology, Planning & Building Safety and Engineering/GIS.

<sup>2</sup> Growth factors used for FY 2024 through FY 2028 average approximately 2.1%.

<sup>3</sup> Does not include projections for debt service or capital outlay.

# Six-Year Projection of General Fund Obligated Debt Service Expenditures

(TABLE 7)

Fiscal Year	Bond Issuance Costs	2011C Refunding Bond	2012 Bond Sale	2015 Bond Sale & Refunding Bond	2017 Bond Sale	2020 Bond Sale	2020B Bond Sale	FY 2023 Bond Sale (3.7m) <sup>1</sup>	FY 2025 Bond Sale (2.5m) <sup>1</sup>	FY 2027 Bond Sale (24.8m) <sup>1</sup>	Total Debt Service
2023	\$300,000	\$523,725	\$238,056	\$854,181	\$217,131	\$407,000	\$1,164,475	--	--	--	\$3,704,568
2024	--	\$134,416	\$234,156	\$861,900	\$216,731	\$710,500	\$1,528,225	\$386,532	--	--	\$4,072,460
2025	\$300,000	\$61,208	\$235,256	\$860,837	\$216,131	\$718,500	\$1,588,275	\$381,470	--	--	\$4,361,677
2026	--	--	\$236,256	\$856,181	\$215,331	\$715,000	\$1,660,675	\$371,347	\$138,958	--	\$4,193,748
2027	\$300,000	--	\$237,156	\$858,231	\$219,331	\$710,500	\$1,659,975	\$361,223	\$223,174	--	\$4,569,590
2028	--	--	\$237,956	\$646,731	\$217,931	\$715,000	\$1,662,575	\$351,100	\$220,858	\$1,361,580	\$5,413,731

<sup>1</sup>Future bond sales reflect a projected 5.5% interest rate for 20 years for FY 2023 bonds and 30 years for FY 2025 and FY2027 bonds.

# Six-Year Projection of General Fund New Capital Financing Potential

(TABLE 8)

Fiscal Year General Fund Item	2023	2024	2025	2026	2027	2028
Projected Operating Revenue	\$37,264,500	\$41,185,699	\$42,414,600	\$45,938,300	\$45,236,900	\$46,229,100
New Bond Issue	\$3,681,256	\$500,000	\$2,026,500	\$3,345,000	\$18,765,000	\$3,002,500
Use/(Return) of Fund Balance	\$2,147,048	\$3,101,399	\$2,980,661	\$1,226,742	(\$371,465)	\$53,166
Less Projected Operating Expenditures	\$32,851,527	\$34,602,255	\$35,245,501	\$35,679,311	\$36,130,962	\$36,665,152
Less Projected Reoccurring Capital Expenditures	\$2,855,453	\$2,791,883	\$2,791,883	\$2,791,883	\$2,791,883	\$2,746,883
Less Debt Service	\$3,704,568	\$4,072,460	\$4,361,677	\$4,193,748	\$4,569,590	\$5,413,731
Net Capital Financing Potential	\$3,681,256	\$3,320,500	\$5,022,700	\$7,845,100	\$20,138,000	\$4,459,000
Debt Service as % of Operating Expenditure	10.13%	10.43%	10.91%	10.42%	11.12%	12.74%
Total Debt as a Percentage of Assessed Value	1.22%	1.00%	0.88%	0.64%	0.89%	0.51%

Note: Ten-year principal payout ratio for 2034 is 47.5% on existing debt and 92.3% with the three projected bond issues.

# History of Water and Sewer Fund Revenue

## For the Last Six Fiscal Years

(TABLE 9)

Fiscal Year Ending	Water Service Charges		Sewer Service Charges		Availability Fees, Connections, Line Extensions, & Meter Installations		Interest & Other Miscellaneous Revenues		Total Revenue	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2022	\$6,937,016	5.48%	\$5,203,268	4.23%	\$659,922	(38.50)%	\$102,510	(33.17)%	\$12,902,716	\$0.84%
2021	\$6,576,926	3.15%	\$4,992,267	4.35%	\$1,072,963	47.98%	\$153,381	(7.65)%	\$12,795,537	6.17%
2020	\$6,376,289	1.89%	\$4,784,371	0.11%	\$725,055	(1.00)%	\$166,084	(1.88)%	\$12,051,799	0.65%
2019	\$6,257,727 <sup>1</sup>	5.79%	\$4,779,067	0.96%	\$732,391	(3.66)%	\$204,551	(1.72)%	\$11,973,736	3.07%
2018	\$5,915,354 <sup>1</sup>	16.32%	\$4,733,416	0.16%	\$760,208	(8.98)%	\$208,137	6.50%	\$11,617,115	7.22%
2017	\$5,085,612	4.90%	\$4,725,673	7.05%	\$828,461	(21.52)%	\$195,427	(17.77)%	\$10,835,173	2.65%

<sup>1</sup>Water rate increase due to large increase from the Water Authority due to large capital projects.

# History of Water and Sewer Fund Operating Expenditures

## For the Last Six Fiscal Years

(TABLE 10)

Fiscal Year Ending	Water Division Other Operating		Payment to Water Authority		Sewer Division Other Operating		Payment to Sewer Authority		All Other Operating <sup>1</sup>		Total Operating Expenditures <sup>2</sup>	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2022	\$568,622	(0.34)%	\$4,032,408	9.02%	\$278,256	(33.49)%	\$3,763,575	1.11%	\$2,759,021	10.43%	\$11,401,882	4.52%
2021	\$570,535	(7.64)%	\$3,698,940	2.82%	\$418,366	(16.13)%	\$3,722,116	4.25%	\$2,498,406	(0.40)%	\$10,908,363	1.07%
2020	\$617,705	8.13%	\$3,597,555	0.75%	\$498,851	(4.87)%	\$3,570,390	2.58%	\$2,508,467	5.95%	\$10,792,968	0.85%
2019	\$571,284	(10.74)%	\$3,570,722	24.56%	\$524,366	(9.79)%	\$3,664,765	12.30%	\$2,367,549	(1.22)%	\$10,698,686	9.74%
2018	\$640,011	5.03%	\$2,867,703	33.17%	\$581,257	16.53%	\$3,263,400	6.22%	\$2,396,751	2.88%	\$9,749,122	12.53%
2017	\$609,349	(12.07)%	\$2,153,468	6.69%	\$498,820	(9.98)%	\$3,072,194	0.34%	\$2,329,702	1.66%	\$8,663,533	0.52%

<sup>1</sup>Includes Administration, Utility Billing and Pump Station Maintenance.

<sup>2</sup>Does not include expenditures for debt service or capital outlay.

# Six-Year Projection of Water and Sewer Fund Operating Revenues

(TABLE 11)

Fiscal Year Ending	Water Segment				Sewer Segment				Other Miscellaneous Revenue <sup>3</sup>	Fund Total
	Service Charges	Fixed Charges	Other <sup>1</sup>	Total Water	Service Charges	Fixed Charges	Other <sup>2</sup>	Total Sewer		
2023	\$7,000,000	\$386,000	\$200,900	\$7,586,900	\$5,400,000	\$356,000	\$15,800	\$5,771,800	\$71,400	\$13,430,100
2024	\$7,296,520	\$396,808	\$206,123	\$7,899,451	\$6,315,451	\$365,968	\$16,211	\$6,697,630	\$72,089	\$14,669,170
2025	\$7,605,601	\$407,919	\$211,482	\$8,225,002	\$6,582,973	\$376,215	\$16,632	\$6,975,820	\$72,749	\$15,273,572
2026	\$7,927,774	\$419,340	\$216,980	\$8,564,094	\$6,861,828	\$386,749	\$17,065	\$7,265,642	\$73,399	\$15,903,136
2027	\$8,263,594	\$431,082	\$222,623	\$8,917,299	\$6,944,170	\$397,578	\$17,508	\$7,359,256	\$50,077	\$16,326,632
2028	\$8,613,640	\$443,152	\$228,411	\$9,285,203	\$7,027,500	\$408,710	\$17,964	\$7,454,174	\$29,351	\$16,768,728

<sup>1</sup>Other Revenue includes Connection Charges, Meter Installations, Service Transfer Fees, Line Extensions and the Sale of Outside Watering Meters.

<sup>2</sup>Other Revenue includes Connection Charges and Line Extensions.

<sup>3</sup>Other Miscellaneous Revenue includes Sale of Materials and Labor, Reconnection Fees, Interest, Collection and Penalties related to Delinquent Bills and Miscellaneous Revenue.



# Six-Year Projection of Water and Sewer Operating Expenditures

(TABLE 12)

<b>Fiscal Year</b>	<b>Payments to Water &amp; Sanitation Authorities<sup>1</sup></b>	<b>Operating Expenditures</b>	<b>Equipment Replacement</b>	<b>Total Operating Expenditures<sup>2</sup></b>	<b>Percent Change</b>
2023	\$8,781,663	\$4,259,703	\$295,595	\$13,336,961	--
2024	\$8,887,043	\$4,406,893	\$186,245	\$13,480,181	1.07%
2025	\$8,993,687	\$4,467,542	\$186,245	\$13,647,475	1.24%
2026	\$9,101,612	\$4,532,902	\$186,245	\$13,820,759	1.27%
2027	\$9,210,831	\$4,599,337	\$186,245	\$13,996,413	1.27%
2028	\$9,321,361	\$4,666,867	\$186,245	\$14,174,473	1.27%

<sup>1</sup>Based on wholesale water rates of \$4.05 per 1,000 gallons purchased for FY 2023-2028. Based on wholesale sewer rates of \$2.16 per 1,000 gallons purchased for FY 2023-2028 and an annual growth of 1.2%.

<sup>2</sup>Does not include appropriations for debt service or capital outlay.

# Six-Year Projection of Water and Sewer Fund Obligated Debt Service Expenditures

(TABLE 13)

<b>Fiscal Year</b>	<b>2011C Refunding Bond</b>	<b>2015 Refunding Bond</b>	<b>2017 Bond Sale</b>	<b>2023 Bond Sale</b>	<b>2027 Bond Sale</b>	<b>Total Debt Service</b>	<b>Net Revenue Coverage Of Debt Service</b>
2023	\$370,041	\$130,500	\$97,530	--	--	\$598,071	2.40
2024	\$369,646	\$130,781	\$100,132	\$459,014	--	\$1,059,573	1.89
2025	\$303,067	\$129,844	\$97,531	\$876,299	--	\$1,406,741	2.03
2026	--	\$129,750	\$99,931	\$864,623	--	\$1,094,504	3.02
2027	--	\$128,700	\$102,131	\$841,872	--	\$1,072,703	3.29
2028	--	--	\$99,131	\$819,922	\$306,023	\$1,224,076	3.08

**Six-Year Projection of  
Water and Sewer Fund  
New Capital Financing Potential**

(TABLE 14)

Water & Sewer Fund Item	2023	2024	2025	2026	2027	2028
Projected Operating Revenue	\$13,430,100	\$14,669,170	\$15,273,572	\$15,903,136	\$16,326,632	\$16,768,728
Availability Fees	\$1,343,300	\$813,614	\$1,230,899	\$1,219,423	\$1,196,472	\$1,173,522
New Bond Issue	\$8,345,700	--	--	--	\$2,914,500	--
Use/(Return) of Cash Reserves	--	\$1,001,069	\$540,825	\$(377,014)	\$457,386	\$(829,175)
Less Projected Operating Expenditures	\$13,336,961	\$13,480,181	\$13,647,475	\$13,820,759	\$13,996,413	\$14,174,473
Less Debt Service	\$598,071	\$1,059,573	\$1,406,741	\$1,094,504	\$1,072,703	\$1,224,076
Net Capital Financing Potential	\$9,184,068	\$1,944,099	\$1,991,080	\$1,830,282	\$5,825,874	\$ 41,714,526

# History of Stormwater Fund Operating Revenue and Expenditures For the Last Six Fiscal Years

(TABLE 15)

Fiscal Year Ending	Stormwater Service Charges		Interest & Other Miscellaneous Revenues		Total Revenue		Personnel and Benefits		All Other Operating <sup>1</sup>		Total Operating Expenditures <sup>1</sup>	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2022	\$1,102,910	1.79%	\$31,246	(0.97)%	\$1,134,156	1.72%	\$200,957	10.23%	\$596,466	8.09%	\$797,423	8.62%
2021	\$1,083,472	0.18%	\$31,551	(22.96)%	\$1,115,023	(0.66)%	\$182,302	1.79%	\$551,830	2.97%	\$734,132	2.67%
2020	\$1,081,502	0.03%	\$40,904	(17.28)%	\$1,122,406	(0.73)%	\$179,094	7.41%	\$535,931	(9.05)%	\$715,025	(5.42)%
2019	\$1,081,165	1.90%	\$49,448	33.98%	\$1,130,613	2.98%	\$166,733	0.77%	\$589,291	10.42%	\$756,024	8.14%
2018	\$1,061,037	1.80%	\$36,906	40.15%	\$1,097,943	2.75%	\$165,464	2.79%	\$533,659	12.61%	\$699,123	10.12%
2017	\$1,042,232	2.78%	\$26,334	(11.17)%	\$1,068,566	2.38%	\$160,976	8.33%	\$473,887	0.25%	\$634,863	2.19%

<sup>1</sup>Does not include expenditures for debt service or capital outlay.

# Six-Year Projection of Stormwater Fund Operating Revenue and Expenditures

(TABLE 16)

Fiscal Year Ending	Stormwater Service Charges		Interest & Other Miscellaneous Revenues		Total Revenue		Personnel and Benefits		All Other Operating <sup>1</sup>		Total Operating Expenditures <sup>1</sup>	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2023	\$1,100,000	--	\$20,500	--	\$1,120,500	--	\$214,088	--	\$779,812	--	\$993,900	--
2024	\$1,113,276	1.21%	\$105,630	415.27%	\$1,218,906	8.78%	\$228,508	6.74%	\$837,610	7.41%	\$1,066,118	7.24%
2025	\$1,126,555	1.19%	\$105,659	0.03%	\$1,232,215	1.09%	\$232,711	1.84%	\$845,987	1.00%	\$1,078,698	1.18%
2026	\$1,139,838	1.18%	\$105,788	0.12%	\$1,245,626	1.09%	\$237,459	2.04%	\$854,446	1.00%	\$1,091,905	1.22%
2027	\$1,153,124	1.16%	\$105,916	0.12%	\$1,259,040	1.08%	\$242,303	2.04%	\$862,990	1.00%	\$1,105,293	1.22%
2028	\$1,166,414	1.15%	\$105,943	0.03%	\$1,272,356	1.06%	\$247,246	2.04%	\$871,620	1.00%	\$1,118,866	1.22%

<sup>1</sup>Does not include expenditures for debt service or capital outlay.

**Six-Year Projection of  
Stormwater Fund  
New Capital Financing Potential**

(TABLE 17)

Stormwater Fund Item	2023	2024	2025	2026	2027	2028
Projected Operating Revenue	\$1,120,500	\$1,218,906	\$1,232,215	\$1,245,626	\$1,259,040	\$1,272,356
New Bond Issue	\$750,000	--	--	--	\$560,000	--
Use/(Return) of Cash Reserves	--	\$287,478	\$275,985	\$409,591	\$26,578	\$83,646
Less Projected Operating Expenditures	\$993,900	\$1,066,118	\$1,078,698	\$1,091,905	\$1,105,293	\$1,118,866
Less Reoccurring Capital Expenditures	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000
Less Debt Service	--	\$78,750	\$77,719	\$75,656	\$73,595	\$130,331
Net Capital Financing Potential	\$873,600	\$358,516	\$348,783	\$484,656	\$663,730	\$103,805

# Capital Improvement Program Summary

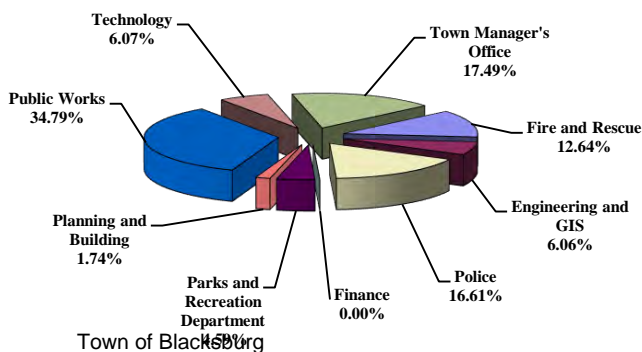
## Sources by Fund

Sources	Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26 - FY28	Total for 5-Year CIP	Future Funds Required
<b>Capital Project Funds</b>							
General Obligation Bonds	\$ 37,553,790	\$ 1,144,290	\$ 500,000	\$ 1,726,500	\$ 31,683,000	\$ 33,909,500	\$ 2,500,000
General Funds	22,953,415	2,672,700	4,567,383	4,743,083	10,970,249	20,280,715	-
State Fire Funds	-	-	-	-	-	-	-
State - VDOT	5,436,000	845,000	-	-	4,591,000	4,591,000	-
Developer Funds	250,000	-	-	-	250,000	250,000	-
Grant Funds	2,000,000	-	-	-	2,000,000	2,000,000	-
Water/Sewer Funds	12,097,444	4,636,244	1,190,245	1,412,577	4,858,378	7,461,200	-
Stormwater Funds	1,616,200	220,000	358,000	348,200	690,000	1,396,200	-
Solid Waste/Recycling Funds	1,251,240	325,000	415,248	165,248	345,744	926,240	-
Replacement Funds	10,891,318	-	2,401,591	1,779,831	6,709,896	10,891,318	-
Transit Local Funds	7,009,035	-	1,462,170	1,760,820	3,786,045	7,009,035	-
State - DRPT	31,774,292	-	6,628,504	7,982,384	17,163,404	31,774,292	-
Federal - FTA	7,943,573	-	1,657,126	1,995,596	4,290,851	7,943,573	-
<b>Total Capital Projects Funds</b>	<b>\$ 140,776,307</b>	<b>\$ 9,843,234</b>	<b>\$ 19,180,267</b>	<b>\$ 21,914,239</b>	<b>\$ 87,338,567</b>	<b>\$ 128,433,073</b>	<b>\$ 2,500,000</b>

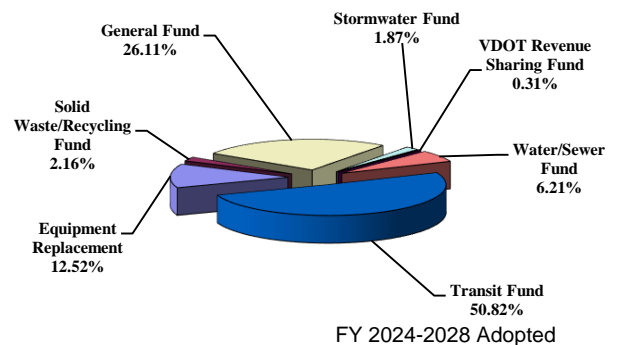
## Uses by Capital Improvement Program Category

Category/Uses	Total Project Cost	Funded through 6/30/2023	FY24	FY25	FY26 - FY28	Total for 5 Yr CIP	Future Funds Required
General Government	\$ 21,462,500	\$ 560,700	\$ 876,000	\$ 361,700	\$ 17,164,100	\$ 18,401,800	\$ 2,500,000
Finance	94,500	-	-	-	94,500	94,500	-
Fire and Rescue	3,459,415	-	633,023	1,006,223	1,820,169	3,459,415	-
Parks and Recreation	6,013,290	995,790	230,000	1,040,000	3,747,500	5,017,500	-
Planning and Building	112,000	25,000	87,000	-	-	87,000	-
Engineering and GIS	13,753,000	1,891,500	303,500	293,500	11,264,500	11,861,500	-
Police	2,951,375	372,000	831,875	436,875	1,310,625	2,579,375	-
Public Works	15,882,625	746,000	1,801,985	3,191,285	10,143,355	15,136,625	-
Technology	990,000	71,000	304,000	140,000	475,000	919,000	-
Water/Sewer	15,011,944	4,636,244	1,190,245	1,412,577	7,772,878	10,375,700	-
Stormwater	2,176,200	220,000	358,000	348,200	1,250,000	1,956,200	-
Transit	46,726,900	-	9,747,800	11,738,800	25,240,300	46,726,900	-
Solid Waste/Recycling	1,251,240	325,000	415,248	165,248	345,744	926,240	-
Equipment Replacement	10,891,318	-	2,401,591	1,779,831	6,709,896	10,891,318	-
<b>Total Uses</b>	<b>\$ 140,776,307</b>	<b>\$ 9,843,234</b>	<b>\$ 19,180,267</b>	<b>\$ 21,914,239</b>	<b>\$ 87,338,567</b>	<b>\$ 128,433,073</b>	<b>\$ 2,500,000</b>

**FY 2024 General Fund Projects**



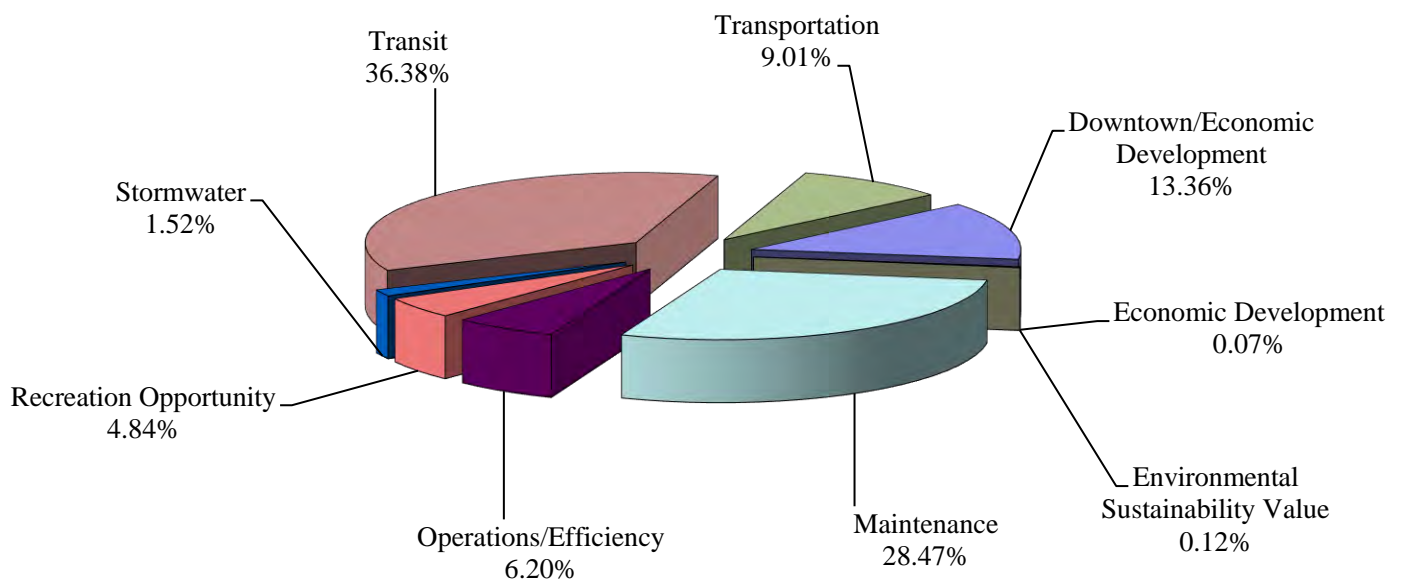
**FY 2024 Capital Improvement Program**



## Capital Improvement Program Summary - Council Goals

Council Goals	FY24	FY25	FY26	FY27	FY28	Total for 5-Year CIP
Downtown/Economic Development	\$ 50,000	\$ 233,000	\$ 1,781,000	\$ 15,050,000	\$ 50,000	\$ 17,164,000
Economic Development	94,500					\$ 94,500
Environmental Sustainability Value	21,500	26,700	109,100	-	-	\$ 157,300
Maintenance	5,722,667	7,301,039	8,897,562	9,267,499	5,380,606	\$ 36,569,373
Operations/Efficiency	2,107,800	865,500	637,500	3,554,000	801,500	\$ 7,966,300
Recreation Opportunity	720,000	1,040,000	595,000	715,000	3,152,500	\$ 6,222,500
Stormwater	358,000	348,200	484,000	663,000	103,000	\$ 1,956,200
Transit	9,747,800	11,738,800	2,052,300	14,785,900	8,402,100	\$ 46,726,900
Transportation	358,000	361,000	3,785,000	5,452,000	1,620,000	\$ 11,576,000
<b>Total Capital Projects Funds</b>	<b>\$ 19,180,267</b>	<b>\$ 21,914,239</b>	<b>\$ 18,341,462</b>	<b>\$ 49,487,399</b>	<b>\$ 19,509,706</b>	<b>\$ 128,433,073</b>

### Capital Projects by Council Goals





**Capital Improvement Program**

**Town Manager**

**TITLE:** Capital Reserve

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

The Capital Reserve Project was established in FY2018 with \$200,000 previously received from the sale of an easement to a developer. Each year thereafter includes \$120,000 which will come from the General Fund. The Capital Reserve project was established for the purpose of accumulating funds to finance all or part of future significant capital projects involving construction, reconstruction or acquisition of property. The criteria and process for use of the funds are incorporated into the Town's Financial Policies.

In FY2020, as a response to the financial impact of COVID-19, the existing balance of the Capital Reserve (\$440,000) was transferred to the General Fund fund balance. In FY2021, \$200,000 was returned to the Capital Reserve project with excess appropriations. In FY2023, \$120,000 was funded through the CIP process. Future contributions will be dependent of financial conditions.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	\$ 320,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 600,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>\$ 320,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 600,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	Continuing	320,000	120,000	120,000	120,000	120,000	120,000	600,000	Continuing
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 600,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Town Manager**

**TITLE:** Downtown Facade Program

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project would fund a downtown facade program similar to a previous program. The previous program was funded through CDBG funds. The program will be funded through the General Fund. The grant match program would be available to owners/investors who wish to renovate or restore an existing building with exterior improvements. The program would fund renovations up to a maximum grant of \$20,000. Additional criteria will be established prior to the implementation of the program.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	\$60,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>\$60,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction	Continuing	60,000	50,000	50,000	50,000	50,000	50,000	250,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>\$ 60,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Town Manager**

**TITLE:** Former Court Space Renovation

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

In 2012, the Blacksburg Division of the Montgomery County Circuit Court moved from the Municipal Building to the new Courthouse in Christiansburg. The vacated space on the second floor was originally designed to serve as a library for the community. When the court moved into the space, it was remodeled to provide administrative space including offices, meeting rooms and a customer service area. The second level of the space has been used for storage of various records and includes a storage system.

The intent of this project is to renovate the former court area into a space that meets the needs of the municipal organization. The project is broken down into three phases: programming, design and construction. The most critical phase of the project is the programming phase because it will identify the Town's space needs and an estimated construction cost based on the identified needs. The project includes \$36,000 for programming and design and \$500,000 for construction. The estimate for construction is a very preliminary estimate based on general square footage costs without knowing what the uses will be. A more precise estimate will be available after the programming phase is completed.

**OPERATING IMPACT:** Costs already in operating budget.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2022	Summer 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$36,000	\$36,000	\$	\$	\$	\$	\$	\$ 0	
General Obligation Bonds	500,000		500,000					500,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$536,000</b>	<b>\$36,000</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 36,000	\$ 36,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	500,000		500,000					500,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$536,000</b>	<b>\$36,000</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Town Manager**

**TITLE:** Progress Street Parking Garage

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

Properties were purchased in 2012 and 2014 by the Town to preserve the Town's ability to plan and construct structured parking in the downtown core at a future date. The scope of the project includes an initial feasibility study, architectural design and construction documents and ultimately construction. The scope of the study will include a master plan for the property to include a parking garage as well as the possibility of other mixed uses (commercial, office, retail and residential). The project funding for design and construction is limited to only a publicly funded parking garage. The possibility of other mixed uses and associated design and construction costs would be sought through a public/private partnership. The form and architectural aspects will also be studied with a focus on the appropriate interaction with the surrounding neighborhood and Progress Street streetscape. The garage will add to the network of parking in downtown including North End, Kent Square and Midtown parking garages.

**OPERATING IMPACT:** Long term impact to be determined.

**GOAL ADDRESSED:** Plan for additional downtown parking and future redevelopment.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2025	Summer 2028

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$ 150,000	\$	\$	\$	\$ 150,000	0
General Obligation Bonds	16,650,000				1,500,000	15,000,000		16,500,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>16,650,000</b>		\$ 0	\$ 150,000	\$ 1,500,000	\$ 15,000,000	\$ 0	\$ 16,650,000	0

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 1,650,000	\$	\$	\$ 150,000	\$ 1,500,000	\$	\$	\$ 1,650,000	\$
Construction	15,000,000					15,000,000		15,000,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 16,650,000</b>		\$ 0	\$ 150,000	\$ 1,500,000	\$ 15,000,000	\$ 0	\$ 16,650,000	\$ 0

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined.						0

**Capital Improvement Program**

**Housing and Community Connections**

**TITLE:** Electric Vehicle Infrastructure

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

As part of our Climate Action Plan the Town has committed to reduce carbon emissions to zero by year 2050, which includes our vehicle and equipment fleet. In order to reduce emissions we will increasingly invest in electric vehicles, equipment and vehicle infrastructure. The funds will be used to build Level 2 charging infrastructure as well as to compensate for additional equipment and vehicle costs when they hadn't been previously considered for Electric Vehicle replacement. Electric vehicles are expected to save an average of about \$6,000 in operational costs compared to a combustion engine over a 10 year life span, so the up front costs needed for procurement of Electric Vehicles will be recuperated. These initial investments will begin the process of EV conversion as we plan for a full fleet transition within our general town operations over the coming decades.

**OPERATING IMPACT:** Energy costs to be offset by fuel savings. Utilities.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 21,500	\$ 26,700	\$ 32,100	\$	\$	\$ 80,300	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 21,500</b>	<b>\$ 26,700</b>	<b>\$ 32,100</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,300</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	Continuing	Continuing	21,500	26,700	32,100			80,300	Continuing
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 21,500</b>	<b>\$ 26,700</b>	<b>\$ 32,100</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,300</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined.						0

**Capital Improvement Program**

**Housing and Community Connections**

**TITLE:** Energy Efficiency Upgrades

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

Energy audits have been conducted on several town facilities by two local energy efficiency contractors. The funds pay for the following improvements to the facilities, as recommended by the audits. Projects are prioritized by estimated return on investment. Old Town Hall - \$68,200 - Insulation and air sealing in basement, attic, crawlspace, and exterior walls; duct air sealing, new windows on main level. It is important to note that most of these work items have also been identified as priorities by Public Works as they contribute to the well being and maintenance of the building and aren't simply an aesthetic "upgrade". Packing the items of work in this manner allows the town to execute projects that have been deemed too complicated or expensive in the past.

**OPERATING IMPACT:** Improvements will reduce energy use in the buildings upgraded. No long term impacts, only staff time to manage projects.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$	\$ 77,000	\$	\$	\$ 77,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 77,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 77,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	Continuing	Continuing			77,000			77,000	Continuing
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 77,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 77,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Minimal.						0

**TITLE:** Huckleberry Trail - Prices Fork Road Crossing Study

**STATUS:** New

**PROJECT DESCRIPTION:**

A planning study is needed to evaluate how to effectively cross Prices Fork Road between Plantation Road to Hethwood Boulevard area. The Huckleberry Trail resides on the north side of the street and the majority of the development is located on south side of the street. Prices Fork Road is a very busy four lane road with vehicles typically traveling at speeds in excess of forty (40) miles per hour. As part of the Town's American Rescue Plan public engagement process there was a fair amount of support for a bridge in this area; however, the costs are expensive. This study would evaluate the location(s) and means (bridge, tunnel, at grade crossing) to provide a safe crossing for the Huckleberry Trail along Prices Fork Road and help the Town prepare for a future construction project.

**OPERATING IMPACT:** To be determined.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2023	Fall 2029

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 75,000	\$	\$ 75,000	\$	\$	\$	\$	\$ 75,000	\$
General Obligation Bonds								0	2,500,000
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 75,000</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 2,500,000</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	2,500,000
Equipment								0	
Contractual Services	75,000		75,000					75,000	
<b>Total Uses</b>	<b>\$ 75,000</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 2,500,000</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined.						0

**Capital Improvement Program**

**Housing and Community Connections**

**TITLE:** Legacy Affordable Housing Development

**STATUS:** New

**PROJECT DESCRIPTION:**

The development will have a single 56 unit building constructed by community Housing Partners. All of the units will be for affordable rental housing serving residents at or below 80% of the area median income (AMI). The project will fund the water and sewer connections fees and building permit fees per the Developer Agreement approved by the Blacksburg Town Council in March of 2022. Connection fees were estimated at our current rates for a 2" water meter with no meter deposit and one year of inflation.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide for a strong, diverse community with inclusive housing opportunities.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Spring 2024	Fall 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 94,500	\$	\$ 94,500	\$	\$	\$	\$	\$ 94,500	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 94,500</b>	<b>\$ 0</b>	<b>\$ 94,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 94,500</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 94,500	\$	\$ 94,500	\$	\$	\$	\$	\$ 94,500	\$
Construction								0	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 94,500</b>	<b>\$ 0</b>	<b>\$ 94,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 94,500</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0



**Capital Improvement Program**

**Community Relations**

**TITLE:** Identification Sign Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

Funds from this project will be used to replace faded or informationally outdated sign panels and, in some instances, the design and installation of new wayfinding signs, historic signs and kiosks.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	Continuing	Continuing	15,000	15,000	15,000	15,000	15,000	75,000	Continuing
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**TITLE:** I-Series Peripheral Equipment Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project establishes funding for replacement of the peripheral equipment, such as the laser MICR printers, pressure sealer, cash receipts printers, automated remittance system and console display. The majority of this equipment will be replaced in FY2023. The average life of this type of equipment is four years. Due to excellent maintenance, the useful life has been extended on this equipment.

**OPERATING IMPACT:** Replacement of current equipment, annual service contract fees already in the operating budget.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Winter 2027	Spring 2028

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$	\$	\$ 30,500	\$ 16,500	\$ 47,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,500</b>	<b>\$ 16,500</b>	<b>\$ 47,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing				30,500	16,500	47,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,500</b>	<b>\$ 16,500</b>	<b>\$ 47,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Finance Department**

**TITLE:** I-Series Hardware Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

The I-Series houses the Town’s integrated financial applications such as payroll, real estate taxes, meals taxes, utility billing, fleet management, purchasing and inventory, budgeting and general ledger functions. The I-Series was last replaced in FY2018 with a scheduled replacement in FY2023. The I-Series has a useful life of five to seven years and is a stable and flexible platform for the integrated financial application. To ensure the Town can continue its excellent customer service to our citizens and Town departments, the I-Series will need to be replaced every five years to accommodate the growth of data history and new applications, such as analytical tools.

**OPERATING IMPACT:** Replacement of current equipment, annual service contract fees already in operating budget.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Winter 2028	Spring 2029

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$	\$	\$	\$ 47,500	\$ 47,500	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 47,500</b>	<b>\$ 47,500</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing					47,500	47,500	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 47,500</b>	<b>\$ 47,500</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Technology Department**

**TITLE:** Data Backup Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project funds the replacement of existing data backup systems every five years. Data backup protects the Town data from loss and is a critical piece of Technology business continuity plans.

**OPERATING IMPACT:** Costs already in operating budget.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$	\$	\$	\$ 60,000	\$ 60,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing					60,000	60,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Technology Department**

**TITLE:** Licensing Update - Servers

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project will fund the acquisition of Microsoft software for the Town's servers we use. This will purchase licensing for the newer versions of the server software that has been released since the last licensing update in FY2016. This licensing is evaluated every three years.

**OPERATING IMPACT:** Costs already in operating budget.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 30,000	\$	\$	\$ 35,000	\$	\$ 65,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 35,000</b>	<b>\$ 0</b>	<b>\$ 65,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	30,000			35,000		65,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 35,000</b>	<b>\$ 0</b>	<b>\$ 65,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Technology Department**

**TITLE:** Long Term Data Storage

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

It is anticipated that the organization will need significant new data storage capacity in the next couple of years due to the expansion of video systems that are being planned by Public Works, Parks and Recreation, Fire, Rescue and other departments. There are some excellent Enterprise solutions for data retention of all data types, including video, for short-term, long-term, cloud or permanent storage. The Technology Department would like to install a solution that can meet the needs of all agencies of the Town. A data storage solution can save the Town money by decreasing the need for more expensive SAN storage and for unique silos of storage systems that applications would require.

**OPERATING IMPACT:** Annual support costs.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2023	Spring 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 80,000	\$	\$ 80,000	\$	\$	\$	\$	\$ 80,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund VDOT								0	0
Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 80,000</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	80,000		80,000					80,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 80,000</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
<b>Support costs.</b>		12,000	12,000	12,000	12,000	<b>48,000</b>

**Capital Improvement Program**

**Technology Department**

**TITLE:** Network Edge Switch Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project will allocate funds for the Technology Department to upgrade network edge switch equipment that has an estimated use of life of five to ten years. These switches are located at the town buildings around town, and not at the network data centers. New network, firewall, storage technologies and the continued demand for faster data transfer rates have necessitated the need for this equipment.

**OPERATING IMPACT:** Costs already in operating budget.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	75,000	\$	\$	\$	\$	\$ 75,000	\$ 75,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>75,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	75,000					75,000	75,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Technology Department**

**TITLE:** Network Firewall Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project funds the replacement of the Internet firewalls every five years. Cybersecurity is more important than ever to the welfare of any organization. This firewall is the main Internet entry and exit point for Town Internet communications. There is a need to increase the speed and intelligence of the existing system to address the modern cyber threats and deal with new technologies such as video and other agency partnerships. These systems are purchased in pairs to provide failover capabilities and to never have unfiltered protection for the organization.

**OPERATING IMPACT:** Costs already in operating budget.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 40,000	\$	\$	\$	\$	\$ 40,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 40,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	40,000					40,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 40,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0



**Capital Improvement Program**

**Technology Department**

**TITLE:** Server Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project funds the replacement of existing network servers every five years. Servers are critical in allowing Town staff to access data for all needs.

**OPERATING IMPACT:** Costs already in operating budget.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$	\$	\$	\$ 60,000	\$ 60,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing					60,000	60,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Technology Department**

**TITLE:** Technology Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funds each year to allow the Technology Department to replace 20% of the existing desktop and laptops used by staff. There are currently 360 computers in use by town departments that are targeted by this fund for replacement. In addition, this will fund the replacement of tablets, printers, and various components of the Town network. This fund does not cover computers purchased with Enterprise Funds or the I-Series or I-Series peripherals.

**OPERATING IMPACT:** Costs already in operating budget.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 75,000	\$ 75,000	\$ 80,000	\$ 80,000	\$ 85,000	\$ 395,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 85,000</b>	<b>\$ 395,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	75,000	75,000	80,000	80,000	85,000	395,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 85,000</b>	<b>\$ 395,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Technology Department**

**TITLE:** Telephone System Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project will allocate funds to allow the Technology Department to replace existing telephone system infrastructure every six to seven years. The telephone system has two servers and nine routers that need to be replaced every six to seven years.

**OPERATING IMPACT:** Costs already in operating budget.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	11,000	\$ 79,000	\$	\$	\$	\$	\$ 79,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>11,000</b>	<b>\$ 79,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 79,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering		\$	\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	11,000	79,000					79,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>11,000</b>	<b>\$ 79,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 79,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Technology Department**

**TITLE:** Wireless Controller Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project will allocate funds to allow the Technology Department to replace existing wireless controller every six to seven years.

**OPERATING IMPACT:** Costs already in operating budget.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$ 65,000	\$	\$	\$	\$ 65,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 65,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 65,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing		65,000				65,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 65,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 65,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Police Department**

**TITLE:** Case Files/Records Scanning Project

**STATUS:** New

**PROJECT DESCRIPTION:**

A contract to pick up, secure, and scan approximately 450 thousand documents and images. The need to convert paper case files and records into search-able PDF files is due to the deterioration of the paper, the ability to secure them, and the amount of space it takes to store them.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2023	Summer 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 70,000	\$	\$ 70,000	\$	\$	\$	\$	\$ 70,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 70,000</b>	<b>\$ 0</b>	<b>\$ 70,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 70,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	70,000		70,000					70,000	
<b>Total Uses</b>	<b>\$ 70,000</b>	<b>\$ 0</b>	<b>\$ 70,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 70,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Police Department**

**TITLE:** Emergency Response Team Vehicle Replacement

**STATUS:** New

**PROJECT DESCRIPTION:**

Currently the Emergency Response Team Vehicle is a 2008 truck with mechanical maintenance issues. A replacement truck chassis and specialized box is needed for fast and reliable deployment in support of tactical operations.

**OPERATING IMPACT:** Already in operating budget.

**GOAL ADDRESSED:** Ensuring a safe community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2023	Summer 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 250,000	\$ 50,000	\$ 200,000	\$	\$	\$	\$	\$ 200,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 250,000</b>	<b>\$ 50,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	250,000	50,000	200,000					200,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 250,000</b>	<b>\$ 50,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Police Department**

**TITLE:** Fusion Center Technology Upgrades

**STATUS:** New

**PROJECT DESCRIPTION:**

Replace and upgrade equipment in the Fusion Center as technology has made significant advancements. The Fusion Center is vital in assisting officers and detectives during investigations and collecting and managing data for the department.

**OPERATING IMPACT:** Already in operating budget.

**GOAL ADDRESSED:** Ensuring a safe community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	50,000	50,000	50,000	50,000	50,000	250,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Police Department**

**TITLE:** Police Video, Data Storage and Technology Upgrade

**STATUS:** In Progress

**PROJECT DESCRIPTION:**

Our delivery of law enforcement services is changing in Blacksburg, Virginia. The Blacksburg Police Department intends to embrace new technologies that are available, such as body-worn cameras (BWC), in-car cameras and police station videos and implement an effective program. It is not uncommon today for police to encounter citizens who are recording their contact with the police. Our officers respond without the benefit of body-worn cameras as an investigative tool. Creating a time-line of events for a specific day from the voice recording of police radio traffic is a daunting task. The Blacksburg Police Department seeks to provide its officers with the best technology that is available, including body-worn cameras. It is imperative for this department to create the ability to utilize the same technology to capture events as they happen in real-time from their perspective and to not be at the technological disadvantage of our current abilities. The changes in technology, especially the advances in mobile phone technology, have led this department to explore and research the development of a robust and integrated body-worn camera, in-car camera, and police station video program with secure and adequate storage.

**OPERATING IMPACT:** Increased support costs.

**GOAL ADDRESSED:** Ensuring a safe community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2022	Spring 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 447,000	\$ 322,000	\$ 125,000	\$	\$	\$	\$	\$ 125,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 447,000</b>	<b>\$ 322,000</b>	<b>\$ 125,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 125,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	447,000	322,000	125,000					125,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 447,000</b>	<b>\$ 322,000</b>	<b>\$ 125,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 125,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Warranty and annual service costs.	7,500	7,500	7,500	7,500	7,500	37,500



**Capital Improvement Program**

**Police Department**

**TITLE:** Traffic Committee

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project will allow the Traffic Committee to respond in a timely manner to citizen and staff concerns regarding potentially hazardous conditions and evaluate the potential impact of new development and infill on established traffic patterns and volumes. These identified conditions are often time sensitive and cannot await resolution through the regular Capital Improvement Program (CIP) process or they require additional research to support the successful acquisition of CIP funds. These funds will be administered by the Traffic Committee with oversight and direction from the Town Manager's Office. An illustrative list of possible expenditures would include: measuring and counting equipment, consultant costs and/or professional assistance and matching funds for grant specific applications.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing
Construction								0	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Fire Department**

**TITLE:** Mobile Data Terminals

**STATUS:** New

**PROJECT DESCRIPTION:**

This project is to begin the process of installing mobile data terminals (MDT's) in fire apparatuses. Firefighters will be able to access dispatch information as well as maps while in route to the scene, improving response times. This addition also allows for a data base for the storage of pre-incident plans to include building layouts.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensuring a safe community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2025	Summer 2029

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 112,500	\$	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 112,500	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 112,500</b>	<b>\$ 0</b>	<b>\$ 22,500</b>	<b>\$ 22,500</b>	<b>\$ 22,500</b>	<b>\$ 22,500</b>	<b>\$ 22,500</b>	<b>\$ 112,500</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	112,500		22,500	22,500	22,500	22,500	22,500	112,500	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 112,500</b>	<b>\$ 0</b>	<b>\$ 22,500</b>	<b>\$ 22,500</b>	<b>\$ 22,500</b>	<b>\$ 22,500</b>	<b>\$ 22,500</b>	<b>\$ 112,500</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Fire Department**

**TITLE:** Turnout Gear Replacement

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

Turnout gear has a ten year life. In FY2026, ten sets of gear will be expiring and need replacement. This project will ensure fire fighters will have compliant turnout gear.

**OPERATING IMPACT:** Already in operating budget.

**GOAL ADDRESSED:** Ensuring a safe community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2025	Summer 2027

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 105,000	\$	\$	\$	\$ 35,000	\$ 35,000	\$ 35,000	\$ 105,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 105,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>	<b>\$ 105,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	105,000				35,000	35,000	35,000	105,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 105,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>	<b>\$ 105,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Rescue Department**

**TITLE:** Cardiac Monitors/Defibrillators

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

Effective cardiac monitoring and intervention is a critical aspect of advanced pre-hospital life support. Cardiac monitors and defibrillators have been shown to significantly improve the chances of survival in heart attacks and sudden cardiac events. The devices currently used by Rescue were purchased in 2017 and have an expected lifespan of five to seven years. As science and technology improve, maintaining high quality equipment and training ensures that the citizens of Blacksburg will benefit from the highest level of protection and safety. This project includes a full cardiac monitor (automatic and manual defibrillation, cardiac monitoring, twelve lead analysis and transmission, End-Tidal CO2 Monitoring, Pacing, Pulse Oximetry and non-invasive Blood Pressure) for each ambulance and critical medical first response units. Other rescue vehicles and the station lobby are outfitted with Automated External Defibrillators (AED) to provide initial treatment until an ambulance or Advanced Life Support (ALS) vehicle arrives. These include all marked rescue and support vehicles.

**OPERATING IMPACT:** Cost already in operating budget.

**GOAL ADDRESSED:** Ensuring a safe community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2024	Spring 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 434,500	\$	\$	\$ 434,500	\$	\$	\$	\$ 434,500	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 434,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 434,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 434,500</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	434,500			434,500				434,500	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 434,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 434,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 434,500</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Rescue Department**

**TITLE:** Critical Care Equipment

**STATUS:** New

**PROJECT DESCRIPTION:**

The addition of Intravenous Infusion (IV) Pumps and Video Laryngoscopes will allow our medics to provide a higher level of pre-hospital emergency care to the Blacksburg community. These evidence-based devices improve patient outcomes and reduce the risk for medical errors associated with these invasive procedures. Intravenous Pumps ensure specific dosing of medications and IV fluids to patients and have a seven year lifespan. Video Laryngoscopes promote safe and effective airway management for critically ill patients by increasing first attempt success rates of endotracheal intubation using live video-guided placement and recording for quality assurance and medical director review.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensuring a safe community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2023	Spring 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 61,300	\$	\$ 61,300	\$	\$	\$	\$	\$ 61,300	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 61,300</b>	<b>\$ 0</b>	<b>\$ 61,300</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 61,300</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	61,300		61,300					61,300	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 61,300</b>	<b>\$ 0</b>	<b>\$ 61,300</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 61,300</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** ADA Transition Planning Projects

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides continued funding for ADA Facilities Transition Planning projects and assessments, fulfilling requirements set forth in Title II of the Americans with Disabilities Act (ADA). Funding will be used to complete the identification of physical barriers to accessibility and prioritize projects in accordance with the most current phase of the Town's Transition Planning projects.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$	\$ 40,000	\$ 20,000	\$ 40,000	\$ 100,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 20,000</b>	<b>\$ 40,000</b>	<b>\$ 100,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	Continuing	Continuing	\$	\$	\$ 20,000	\$ 20,000	\$ 20,000	\$ 60,000	Continuing
Construction	Continuing	Continuing			20,000		20,000	40,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 20,000</b>	<b>\$ 40,000</b>	<b>\$ 100,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Bennett House Renovations

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project is for the renovation of the second story of the Bennett House. This would allow the second story to be fully utilized for office space. Currently only one person is allowed upstairs due to building and fire code laws. The renovations would widen the stairs and fix the structural issues with the floor loads to allow additional people upstairs. This would also create three office spaces and an intern space to allow the Sustainability Office the ability to relocate to the second floor of the house.

**OPERATING IMPACT:** Costs already in operating budget.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2024	Summer 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 168,000	\$	\$	\$ 168,000	\$	\$	\$	\$ 168,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 168,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 168,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 168,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 20,000	\$	\$	\$ 20,000	\$	\$	\$	\$ 20,000	\$
Construction	148,000			148,000				148,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 168,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 168,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 168,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Bicycle Infrastructure Improvements

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project funds the improvement of bicycle infrastructure town wide. Examples include updating existing bicycle facilities to current standards with appropriate pavement markings, racks and signage, as well as marking new facilities in accordance with the Town of Blacksburg Bicycle Master Plan to encourage alternative modes of travel.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 0	
Construction	Continuing	Continuing	50,000	50,000	50,000	50,000	50,000	250,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0



**Capital Improvement Program**

**Public Works Department**

**TITLE:** Community Center HVAC Installation

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

Funds will be used to complete the replacement of the heating and ventilating systems in the gym and locker room of the Recreational Center. The project goal is to provide cost-effective air conditioning, improve the serviceability of the ventilation and incorporate energy efficiency measures in an air conditioning system to cool the gym facility. This project has been evaluated with a preliminary design and cost report prepared by engineering and architect firms in 2017. A portion of the funding for this project will be financed by the Building System Replacement Fund.

**OPERATING IMPACT:** Decrease maintenance costs associated with maintaining antiquated ventilation equipment. Increase power costs associated with additional cooling of gym space.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Spring 2024	Spring 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 148,500	\$ 148,500	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds	1,201,500			1,201,500				1,201,500	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 1,350,000</b>	<b>\$ 148,500</b>	<b>\$ 0</b>	<b>\$ 1,201,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,201,500</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 101,000	\$ 51,000	\$	\$ 50,000	\$	\$	\$	\$ 50,000	\$
Construction	1,249,000	97,500		1,151,500				1,151,500	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 1,350,000</b>	<b>\$ 148,500</b>	<b>\$ 0</b>	<b>\$ 1,201,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,201,500</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Utility costs.			2,100	2,200	2,300	6,600

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Emergency Preparedness Equipment

**STATUS:** In Progress

**PROJECT DESCRIPTION:**

This project provides funding for various needs identified by the Emergency Preparedness Committee. Funding is included for the installation of an emergency generator at the Community Center in FY2025.

**OPERATING IMPACT:** Already in operating budget.

**GOAL ADDRESSED:** Ensuring a safe community

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2024	Spring 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 200,000	\$	\$	\$ 200,000	\$	\$	\$	\$ 200,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 30,000	\$	\$	\$ 30,000	\$	\$	\$	\$ 30,000	\$
Construction								0	
Equipment	170,000			170,000				170,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Field Operations Vehicles

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project provides funding for the replacement of "hand-me-down" vehicles in the Field Operations Division that are currently being used on a daily basis and are at the end of their useful life. These vehicles and equipment were retained to help address the department's expanding work load and evolving needs of the division. In some cases, crew configuration changes made to respond to the increased work demands drove the decision to retain the vehicles.

FY2024 TE-403 Traffic signal repair truck (F150, 4WD, Extended Cab) - \$40,000

**OPERATING IMPACT:** Maintenance costs already in operating budget.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2023	Spring 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 200,000	\$ 160,000	\$ 40,000	\$	\$	\$	\$	\$ 40,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 200,000</b>	<b>\$ 160,000</b>	<b>\$ 40,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	200,000	160,000	40,000					40,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 200,000</b>	<b>\$ 160,000</b>	<b>\$ 40,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Infill Curb, Gutter and Sidewalk Construction Projects

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This continuing project funds the construction of infill, curb, gutter and sidewalk that is not eligible for VDOT Revenue Sharing curb, gutter and sidewalk replacement and infill projects.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	15,000	15,000	15,000	15,000	15,000	75,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Major Facilities Repair and Maintenance

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project funds the annual miscellaneous improvements to Town owned buildings in accordance with annual safety, security and condition inspections. Typical improvements funded by this project include gutter/downspout repairs, roof repairs, door and window replacements, heating/air conditioning ductwork repairs, alarm and access control system upgrades and site drainage improvements.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensuring a safe community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 500,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	Continuing	Continuing	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000	Continuing
Construction	Continuing	Continuing	60,000	60,000	60,000	60,000	60,000	300,000	Continuing
Equipment	Continuing	Continuing	30,000	30,000	30,000	30,000	30,000	150,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 500,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Municipal Building Envelope Waterproofing Project  
**STATUS:** Previously Included  
**PROJECT DESCRIPTION:**

The project will provide funding to address historical water intrusion issues on the exterior of the Municipal Building. This project was recommended in the condition assessments and building exterior studies that were performed by engineering and architect firms in 2016.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2024	Fall 2027

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 90,000	\$	\$	\$ 90,000	\$	\$	\$	\$ 90,000	\$ 0
General Obligation Bonds	660,000				660,000			660,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 750,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 90,000</b>	<b>\$ 660,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 750,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 90,000	\$	\$	\$ 90,000	\$	\$	\$	\$ 90,000	\$
Construction	660,000				660,000			660,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 750,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 90,000</b>	<b>\$ 660,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 750,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Old Town Hall Renovations

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project provides funding for the renovation of Old Town Hall to restore the office spaces, interior and exterior improvements and maintenance. Old Town Hall's historic storefront will be restored and the building will be renovated to improve the historic architecture and energy efficiency. Changes in addition to the historic storefront include electrical upgrades, ADA compliant entrances and bathroom and minor interior improvements.

**OPERATING IMPACT:** Cost already in operating budget.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2024	Summer 2026

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 264,000	\$	\$	\$ 33,000	\$ 231,000	\$	\$	\$ 264,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 264,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 33,000</b>	<b>\$ 231,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 264,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 33,000	\$	\$	\$ 33,000	\$	\$	\$	\$ 33,000	\$
Construction	231,000				231,000			231,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 264,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 33,000</b>	<b>\$ 231,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 264,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Parking Lot Repaving, Sealing and Striping

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

FY2024 Funding is reserved for Kipps Elementary Front Lot and Drive Isle.  
 FY2025 Funding is reserved for the Toms Creek Ballfields Parking Lot and Prices Fork Fire Station #2.  
 FY2026 Funding is reserved for the Public Works Back Lot.  
 FY2027 Funding is reserved for the Recreation Center and Aquatic Center Parking Lots.  
 FY2028 Funding is reserved for Fire Station #3.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 240,000	\$ 130,000	\$ 190,000	\$ 140,000	\$ 90,000	\$ 790,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 240,000</b>	<b>\$ 130,000</b>	<b>\$ 190,000</b>	<b>\$ 140,000</b>	<b>\$ 90,000</b>	<b>\$ 790,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	240,000	130,000	190,000	140,000	90,000	790,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 240,000</b>	<b>\$ 130,000</b>	<b>\$ 190,000</b>	<b>\$ 140,000</b>	<b>\$ 90,000</b>	<b>\$ 790,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0



**Capital Improvement Program**

**Public Works Department**

**TITLE:** Pavement Condition Index Update

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding to perform a town wide asphalt pavement evaluation that will objectively prioritize maintenance and repair efforts. An engineering firm will score all town streets, analyze the data using a pavement management software system and provide a multi-year work plan that will maximize the investment of available funding for pavement maintenance and rehabilitation.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$ 60,000	\$	\$ 60,000	\$	\$ 120,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 0</b>	<b>\$ 120,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	Continuing	Continuing	\$	\$ 60,000	\$	\$ 60,000	\$	\$ 120,000	Continuing
Construction								0	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 0</b>	<b>\$ 120,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Price House Restoration Project

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

A condition assessment completed on the Price House Property, which houses the Nature Center and SEEDs Program, identified several structural issues and deterioration of the envelope and roof systems in the existing house. The latest ADA assessment identified the lack of adequate bathroom facilities to accommodate the use for current programs. This project is proposed to remedy these issues.

**OPERATING IMPACT:** Decrease maintenance costs and upkeep via renewal.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2023	Summer 2026

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 388,000	\$ 63,000	\$ 325,000	\$	\$	\$	\$	\$ 325,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 388,000</b>	<b>\$ 63,000</b>	<b>\$ 325,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 325,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 23,500	\$ 23,500	\$	\$	\$	\$	\$	\$ 0	\$
Construction	364,500	39,500	325,000					325,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 388,000</b>	<b>\$ 63,000</b>	<b>\$ 325,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 325,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Public Works Administration Building Renovation

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project provides funding in FY2026 for the completion of the design and construction documentation necessary to support the renovation and expansion of the Public Works Administration Building in FY2027. A conceptual design has been completed that includes renovation of existing office space and the construction of 1,200 square feet of new office space. The new office space will include a secure entry point to control access to the building as well as an additional exit from the existing office space to the rear lot. The project will provide for more efficient use of existing space, will provide work stations for foremen level personnel, space for a conference room and adequate lunchroom space to accommodate departmental employees. This project will also include a facade upgrade to enhance the building appearance to bring it more in line with the appearance of other buildings within the Industrial Park.

**OPERATING IMPACT:** Utility costs and maintenance demands will increase marginally with the additional 1,200 square feet of office space.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2025	Spring 2028

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 100,000	\$	\$	\$	\$ 100,000	\$	\$	\$ 100,000	\$ 0
General Obligation Bonds	2,900,000					2,900,000		2,900,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 3,000,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 2,900,000</b>	<b>\$ 0</b>	<b>\$ 3,000,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 100,000	\$	\$	\$	\$ 100,000	\$	\$	\$ 100,000	\$
Construction	2,900,000					2,900,000		2,900,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 3,000,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 2,900,000</b>	<b>\$ 0</b>	<b>\$ 3,000,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Utilities.					2,000	2,000

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Public Works Lot Master Plan

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project provides funding for the development of a conceptual master plan for the ten plus acres of the existing Public Works lot and facilities. The master plan will be divided into phased projects that can be implemented in a controlled fashion over time horizons of five, ten and twenty years to allow the Public Works operation to grow in a manageable and efficient manner. This project will develop a master plan that can be used to efficiently utilize space on the property and allow for the flexibility of the space for future expansions. This project also allows the master planning process to incorporate the design and placement for the sewer vacuum truck de-watering station.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2023	Summer 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 65,500	\$ 15,500	\$ 50,000	\$	\$	\$	\$	\$ 50,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 65,500</b>	<b>\$ 15,500</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 65,500	\$ 15,500	\$ 50,000	\$	\$	\$	\$	\$ 50,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 65,500</b>	<b>\$ 15,500</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**TITLE:** Rental Property Maintenance

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project funds major maintenance and unexpected repairs to rental properties owned by the Town. Examples of projects funded in past years include fire escape replacement, floor refinishing, interior and exterior painting, shutter replacement, exterior improvements and porch repairs. The costs to maintain these properties continues to increase and prices have been increased to reflect increasing costs.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 200,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>	<b>\$ 200,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 0	
Construction	Continuing	Continuing	40,000	40,000	40,000	40,000	40,000	200,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>	<b>\$ 200,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Roof Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project funds the replacement of membrane, metal or shingle roofs on Town-owned buildings that have exceeded their useful life. This project will provide funding for roof replacements on the Public Works storage warehouse building in FY2024 and the Recreational Building roof over the gymnasium in FY2025.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 76,200	\$ 138,000	\$	\$	\$	\$ 214,200	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 76,200</b>	<b>\$ 138,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 214,200</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	Continuing	Continuing	\$ 20,000	\$	\$	\$	\$	\$ 20,000	Continuing
Construction	Continuing	Continuing	56,200	138,000				194,200	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 76,200</b>	<b>\$ 138,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 214,200</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Town Building Masonry Repair  
**STATUS:** Continuing  
**PROJECT DESCRIPTION:**

This project funds the restoration of masonry and brick at Town buildings. FY2023 funding is for the Thomas Connor House and FY2024 funding is for the Community Center Building.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 150,000	\$ 90,000	\$	\$ 30,000	\$ 30,000	\$	\$	\$ 60,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 150,000</b>	<b>\$ 90,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 10,000	\$	\$	\$ 10,000	\$	\$	\$	\$ 10,000	Continuing
Construction	140,000	90,000		20,000	30,000			50,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 150,000</b>	<b>\$ 90,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Traffic Signal Poles and Mast Arms Painting

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project funds the maintenance and renewal of the surface and color on traffic poles and mast arms located at major intersections throughout the Town. Three intersection assemblies will be painted with each year of funding.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$ 45,000	\$ 45,000	\$ 45,000	\$ 45,000	\$ 180,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 45,000</b>	<b>\$ 45,000</b>	<b>\$ 45,000</b>	<b>\$ 45,000</b>	<b>\$ 180,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing		45,000	45,000	45,000	45,000	180,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 45,000</b>	<b>\$ 45,000</b>	<b>\$ 45,000</b>	<b>\$ 45,000</b>	<b>\$ 180,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0



**Capital Improvement Program**

**Public Works Department**

**TITLE:** Traffic Signal Video Detection Cameras

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project will replace existing traffic signal video detection cameras where the systems are no longer supported by the software that allows for connectivity and adjustment of the camera functions. Funding will replace the cameras at one signalized intersection per year. The new video detection cameras have far superior technological capabilities, including vehicle and bike counting.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 150,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	25,000	25,000	25,000	25,000	25,000	125,000	Continuing
Contractual Services	Continuing	Continuing	5,000	5,000	5,000	5,000	5,000	25,000	Continuing
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 150,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**TITLE:** Transfers to Building Systems Depreciation Fund

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project supports the Major Building System Replacement project by transferring funds to a depreciation fund, which is used to replace major building systems prior to their failure.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 156,730	\$ 156,730	\$ 156,730	\$ 156,730	\$ 156,730	\$ 783,650	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 156,730</b>	<b>\$ 156,730</b>	<b>\$ 156,730</b>	<b>\$ 156,730</b>	<b>\$ 156,730</b>	<b>\$ 783,650</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	156,730	156,730	156,730	156,730	156,730	783,650	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 156,730</b>	<b>\$ 156,730</b>	<b>\$ 156,730</b>	<b>\$ 156,730</b>	<b>\$ 156,730</b>	<b>\$ 783,650</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Transfers to Building Systems Depreciation Fund, 2023/24**

Town of Blacksburg

96

FY 2024-2028 Adopted

<b>Aquatic Center</b>	<b>Description</b>	<b>Installation Date</b>	<b>Life</b>	<b>Remaining Life</b>	<b>Replacement Cost</b>	<b>Depreciation</b>	<b>FY Replacement</b>	<b>Depreciation Amortized 2.5% remaining life</b>
	Heat Exchanger - Spa	2005	20	2	\$13,200	\$660	2025	\$ 693
	Heat/cool roof top package unit - Lobby Area	2005	15	-3	\$11,000	\$0	2020	\$ -
	VAV Control for Lobby area unit	2020	20	17	\$25,000	\$1,250	2040	\$ 1,902
	Z pack duct energy recovery system heat w/ duct heater	1998	20	-5	\$60,000	\$0	2018	\$ -
	1 gas fired domestic water heater	2015	20	12	\$20,000	\$1,000	2035	\$ 1,345
	<b>1 gas fired boiler</b>	<b>2021</b>	<b>27</b>	<b>25</b>	<b>\$75,000</b>	<b>\$2,778</b>	<b>2048</b>	<b>\$ 5,150</b>
	Energy Recovery Unit/ heat-air-dem-Pool Area (Dectron)	2003	16	-4	\$330,000	\$0	2019	\$ -
	A - Heat Exchangers - Pool	2015	20	12	\$8,000	\$400	2035	\$ 538
	B - Heat Exchangers - Pool	2018	20	15	\$8,000	\$400	2038	\$ 579
	Spa Pumps - Heat - A	2017	20	14	\$2,772	\$139	2037	\$ 196
	Spa Pumps - Heat - B	2017	20	14	\$2,772	\$139	2037	\$ 196
	Pool Pumps - Heat - A	2019	25	21	\$3,000	\$120	2044	\$ 202
	Pool Pumps - Heat - B	2019	25	21	\$3,000	\$120	2044	\$ 202
	Building Pump - Heat - A	1992	30	-1	\$5,740	\$191	2022	\$ -
	Building Pump - Heat - B	1992	30	-1	\$5,740	\$191	2022	\$ -
					<b>\$573,224</b>	<b>\$7,388</b>		<b>\$ 11,002</b>
<b>Armory</b>	<b>Description</b>	<b>Installation Date</b>	<b>Life</b>		<b>Replacement Cost</b>	<b>Depreciation</b>	<b>FY Replacement</b>	
	6 A/C units with gas heat	2007	20	4	\$75,000	\$3,750	2027	\$ 4,139
	1 a/c split system w/ gas furnace	2007	20	4	\$4,400	\$220	2027	\$ 243
					<b>\$79,400</b>	<b>\$3,970</b>		<b>\$ 4,382</b>
<b>Bennett House</b>	<b>Description</b>	<b>Installation Date</b>	<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>	
	1 ea forced air electric furnance w/ heat pump	2004	20	1	\$3,000	\$150	2024	\$ 154
	1 ea forced air gas furnance w/ A/C	2004	20	1	\$3,300	\$165	2024	\$ 169
	2 ea a/c split system	2004	20	1	\$8,800	\$440	2024	\$ 451
					<b>\$15,100</b>	<b>\$755</b>		<b>\$ 774</b>
<b>Blacksburg Motor Company</b>	<b>Description</b>	<b>Installation Date</b>	<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>	
	<b>14 Water Source Heat Pumps</b>	<b>2008</b>	<b>20</b>	<b>5</b>	<b>\$56,000</b>	<b>\$2,800</b>	<b>2028</b>	<b>\$ 3,168</b>
	1 Geothermal Loop	2008	30	15	\$90,000	\$3,000	2038	\$ 4,345
	4 Building Sump Pumps	2008	11	-4	\$4,200	\$0	2019	\$ -
	5 Ductless Split A/C Units	2008	15	0	\$12,500	\$833	2023	\$ 833
	1 Subsurface Ventilation System	2011	10	-2	\$5,000	\$0	2021	\$ -
	1 Engine Generator	2008	20	5	\$55,000	\$2,750	2028	\$ 3,111
	1 elevator system	2008	40	25	\$95,000	\$2,375	2048	\$ 4,403
					<b>\$317,700</b>	<b>\$11,758</b>		<b>\$15,861</b>
<b>Cemetery</b>	<b>Description</b>	<b>Installation Date</b>	<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>	
	Gas fired furnance with A/C	2015	20	12	\$8,000	\$400	2035	\$ 538
	A/C Condensor	2015	20	12	\$5,500	\$275	2035	\$ 370
	Gas Fired Unit Heater	2015	15	7	\$4,000	\$267	2030	\$ 317
					<b>\$17,500</b>	<b>\$942</b>		<b>\$ 1,225</b>

**Transfers to Building Systems Depreciation Fund, 2023/24**

Town of Blacksburg

97

FY 2024-2028 Adopted

<b>Five Chimneys House</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
1 a/c split system	2016	15	8	\$5,000	\$333	2031	\$	406
1 gas fired furnace	2016	15	8	\$5,000	\$333	2031	\$	406
1 ERV	2016	15	8	\$2,000	\$133	2031	\$	162
				<b>\$12,000</b>	<b>\$800</b>		<b>\$</b>	<b>975</b>
<b>Golf Course Pro Shop</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
Heat Pump with backup electric heat	2017	20	14	\$14,454	\$723	2037	\$	1,021
				<b>\$14,454</b>	<b>\$723</b>		<b>\$</b>	<b>1,021</b>
<b>Golf Course Maintenance Shop</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
Irrigation pump system - Controls	2018	10	5	\$14,100	\$1,410	2028	\$	1,595
Irrigation pump system - Pump	1994	30	1	\$5,000	\$167	2024	\$	171
3 Gas Furnace	2011	20	8	\$9,000	\$450	2031	\$	548
				<b>\$28,100</b>	<b>\$2,027</b>		<b>\$</b>	<b>2,314</b>
<b>Municipal Building</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
1 A/C ductless split system computer room	2012	15	4	\$11,000	\$733	2027	\$	809
1 A/C ductless split system computer room	2012	15	4	\$11,000	\$733	2027	\$	809
rooftop package HVAC 1st and 2nd floor	2012	20	9	\$145,000	\$7,250	2032	\$	9,054
VRF A/C system w/ ERV 3rd floor	2012	15	4	\$75,000	\$5,000	2027	\$	5,519
A/C split system Town Hall Conference Room 1st floor	2019	15	11	\$8,000	\$533	2034	\$	700
Roof top package w/ gas heat council chambers	2017	20	14	\$22,000	\$0	2037	\$	-
Roof top A/C unit council chambers	2017	20	14	\$4,000	\$0	2037	\$	-
A/C condenser split system court offices	2001	18	-4	\$7,700	\$0	2019	\$	-
Indoor air handler court offices	1992	27	-4	\$5,000	\$0	2019	\$	-
Indoor duct heater court offices	1992	27	-4	\$9,000	\$0	2019	\$	-
control system court offices	1992	27	-4	\$5,000	\$0	2019	\$	-
Packaged Terminal Heat Pump break room 1st floor	2017	10	4	\$1,500	\$150	2027	\$	166
Domestic water heater 1st floor	2007	15	-1	\$12,100	\$807	2022	\$	-
Elevator	2012	30	19	\$98,000	\$3,267	2042	\$	5,222
				<b>\$414,300</b>	<b>\$18,473</b>		<b>\$</b>	<b>22,280</b>
<b>Old Town Hall</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
1 forced air gas furnace	2005	15	-3	\$6,600	\$0	2020	\$	-
1 split a.c system / heat pump	2005	15	-3	\$6,600	\$0	2020	\$	-
				<b>\$13,200</b>	<b>\$0</b>		<b>\$</b>	<b>-</b>
<b>Parks &amp; Rec Administration (Boatwright House)</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
3 forced air furnaces	1998	20	-5	\$9,900	\$0	2018	\$	-
3 split a/c systems	1998	20	-5	\$16,500	\$0	2018	\$	-
				<b>\$26,400</b>	<b>\$0</b>		<b>\$</b>	<b>-</b>
<b>Police Department Building</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
roof top cooling & heating unit - Chief Area	2003	20	0	\$15,000	\$750	2023	\$	750
roof top cooling & heating unit - Training Room	2003	20	0	\$10,000	\$500	2023	\$	500
1 roof top cooling & heat unit - Jail	1999	20	-4	\$12,000	\$0	2019	\$	-
1 pneumatic control system	1982	37	-4	\$16,500	\$0	2019	\$	-

**Transfers to Building Systems Depreciation Fund, 2023/24**

Town of Blacksburg

98

FY 2024-2028 Adopted

	1 gas fired boiler	1982		37	-4	\$27,500	\$0	2019	\$ -
	2 a/c condenser split systems	1998		21	-4	\$8,800	\$0	2019	\$ -
	1 VAV Controller	1992		27	-4	\$8,800	\$0	2019	\$ -
	2 custom built air handler w/hot water heat	1982		37	-4	\$12,000	\$0	2019	\$ -
	a/c system heat w/electric furnace - evidence area	2000		20	-3	\$4,000	\$0	2020	\$ -
	1 A/C Ductless Split Sys. - record room/IT	2013		20	10	\$7,200	\$360	2033	\$ 461
	1 A/C Ductless Split Sys. - Fusion Center	2017		20	14	\$10,578	\$529	2037	\$ 747
						<b>\$132,378</b>	<b>\$2,139</b>		<b>\$ 2,458</b>
<b>Police Storage Building</b>									
	<b>Description</b>	<b>Installation Date</b>		<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>	
	1 gas fired furnace	1999		20	-4	\$3,850	\$0	2019	\$ -
						<b>\$3,850</b>	<b>\$0</b>		<b>\$ -</b>
<b>Police Communication Building - Clay Street</b>									
	<b>Description</b>	<b>Installation Date</b>		<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>	
	4 a/c units w/electric heat	1997		22	-4	\$24,000	\$0	2019	\$ -
						<b>\$24,000</b>	<b>\$0</b>		<b>\$ -</b>
<b>Police Communication Building - North main Street</b>									
	<b>Description</b>	<b>Installation Date</b>		<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>	
	2 a/c units w/electric heat	2000		20	-3	\$13,000	\$0	2020	\$ -
						<b>\$13,000</b>	<b>\$0</b>		<b>\$ -</b>
<b>Price House</b>									
	<b>Description</b>	<b>Installation Date</b>		<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>	
	2 a/c split ductless heat pumps	2009		15	1	\$20,000	\$1,333	2024	\$ 1,367
						<b>\$20,000</b>	<b>\$1,333</b>		<b>\$ 1,367</b>
<b>Price's Fork Rd. Fire House (FS-2)</b>									
	<b>Description</b>	<b>Installation Date</b>		<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>	
	2 split a/c systems	2005		15	-3	\$17,600	\$0	2020	\$ -
	2 forced air furnaces	1991		29	-3	\$8,800	\$0	2020	\$ -
	2 infrared tube heaters	2020		30	27	\$13,000	\$433	2050	\$ 844
	2 a/c & heat pump systems (LG)	2014		15	6	\$12,500	\$833	2029	\$ 966
						<b>\$51,900</b>	<b>\$1,267</b>		<b>\$ 1,810</b>
<b>Progress St. Fire House (FS-1)</b>									
	<b>Description</b>	<b>Installation Date</b>		<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>	
	1 pneumatic control system	1986		33	-4	\$16,500	\$0	2019	\$ -
	1 gas fired boiler - main level and basement	1986		33	-4	\$38,500	\$0	2019	\$ -
	1 gas fired boiler - Bay area	1986		33	-4	\$35,000	\$0	2019	\$ -
	3 roof top a/c package units	1991		28	-4	\$33,000	\$0	2019	\$ -
	2 split a/c systems	1996		23	-4	\$17,600	\$0	2019	\$ -
	ductless heat pump dual zone unit	2007		20	4	\$5,000	\$250	2027	\$ 276
	2 hanging air handler - bay area	1983		36	-4	\$10,000	\$0	2019	\$ -
	Exterior Vertical Lift	2012		15	4	\$15,000	\$1,000	2027	\$ 1,104
	Water heating System	2018		10	5	\$30,000	\$3,000	2028	\$ 3,394
						<b>\$200,600</b>	<b>\$4,250</b>		<b>\$ 4,774</b>
<b>Purchasing Warehouse</b>									
	<b>Description</b>	<b>Installation Date</b>		<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>	
	Horizontal Furnace forced gas	1997		21	-5	\$1,650	\$0	2018	\$ -
	1 split a/c system	2008		10	-5	\$8,800	\$0	2018	\$ -
	Exhaust Fan warehouse area	1997		21	-5	\$880	\$0	2018	\$ -
	2 large gas fired hanging heater - carpenter shop	2011		15	3	\$15,000	\$1,000	2026	\$ 1,077
	Mechanical Pit leveler	2017		30	24	\$7,560	\$252	2047	\$ 456
	Edge of Dock leveler	2015		30	22	\$2,100	\$70	2045	\$ 121

**Transfers to Building Systems Depreciation Fund, 2023/24**

Town of Blacksburg

99

FY 2024-2028 Adopted

	ductless split system - technology	2006	20	3	\$5,000	\$250	2026	\$	269
	small unit gas fired hanging heater - meter room	1999	20	-4	\$4,000	\$0	2019	\$	-
	2 large gas fired hanging heater - warehouse	2012	20	9	\$10,000	\$500	2032	\$	624
	A/C ductless split sys. (controlled temperature room)	2016	15	8	\$3,000	\$200	2031	\$	244
					<b>\$57,990</b>	<b>\$2,272</b>		<b>\$</b>	<b>2,791</b>
<b>PW Administration Building</b>									
	<b>Description</b>	<b>Installation Date</b>	<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>		
	1 forced air gas fired furnace - training	2004	16	-3	\$4,950	\$0	2020	\$	-
	1 split a/c system - training	2004	16	-3	\$3,300	\$0	2020	\$	-
	1 forced air gas horizontal furnace admin	1998	21	-4	\$3,300	\$0	2019	\$	-
	1 split a/c system - admin	1998	21	-4	\$4,950	\$0	2019	\$	-
	1 forced air gas fired furnace - lunchroom	2000	19	-4	\$3,300	\$0	2019	\$	-
	1 split a/c system - lunchroom	2000	19	-4	\$4,950	\$0	2019	\$	-
					<b>\$24,750</b>	<b>\$0</b>		<b>\$</b>	<b>-</b>
<b>PW Storage Buildings</b>									
	<b>Description</b>	<b>Installation Date</b>	<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>		
	1 gas fired furnace - sign shop	2011	15	3	\$3,200	\$213	2026	\$	230
	1 gas fired unit heat - green shed	2012	15	4	\$3,200	\$213	2027	\$	235
	1 gas fired unit heat - New PW shed	2012	15	4	\$3,200	\$213	2027	\$	235
	1 gas fire unit heat - landscape shed	2000	19	-4	\$3,200	\$0	2019	\$	-
					<b>\$12,800</b>	<b>\$640</b>		<b>\$</b>	<b>701</b>
<b>Recreation Center</b>									
	<b>Description</b>	<b>Installation Date</b>	<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>		
	6 hot water air handlers - gym & locker room	1981	38	-4	\$132,000	\$0	2019	\$	-
	1 pneumatic temperature control system	1981	38	-4	\$16,500	\$0	2019	\$	-
	3 gas fired boiler	2005	30	12	\$33,000	\$1,100	2035	\$	1,479
	1 roof top a/c package unit computer lab & office	2012	20	9	\$8,500	\$425	2032	\$	531
	1 ERV computer & office area	2012	20	9	\$9,000	\$450	2032	\$	562
	2 roof top package unit gas - art room & senior	1998	20	-5	\$20,000	\$0	2018	\$	-
	4 LG Split Systems -multipurpose room	2013	20	10	\$21,000	\$1,050	2033	\$	1,344
	1 ERV multipurpose room	2013	20	10	\$13,000	\$650	2033	\$	832
	1 roof top package - program room	2014	20	11	\$13,000	\$650	2034	\$	853
	1 roof top package - social room	2014	20	11	\$8,100	\$405	2034	\$	531
	1 ERV program and social room	2014	20	11	\$9,000	\$450	2034	\$	590
	1 roof top package with dehumidifier weight/exercise room	2009	20	6	\$12,000	\$600	2029	\$	696
	1 ERV in weight/exercise room	2009	20	6	\$4,000	\$200	2029	\$	232
					<b>\$299,100</b>	<b>\$5,980</b>		<b>\$</b>	<b>7,651</b>
<b>Thomas Conner House</b>									
	<b>Description</b>	<b>Installation Date</b>	<b>Life</b>		<b>Replacement Co:</b>	<b>Depreciation</b>	<b>FY Replacement</b>		
	2 a/c split systems w/gas furnace	1994	25	-4	\$22,000	\$0	2019	\$	-
	1 gas fired boiler	1994	30	1	\$5,500	\$183	2024	\$	188
	2 a/c units window	2018	15	10	\$4,000	\$267	2033	\$	341
					<b>\$31,500</b>	<b>\$450</b>		<b>\$</b>	<b>529</b>

**Transfers to Building Systems Depreciation Fund, 2023/24**

Town of Blacksburg

100

FY 2024-2028 Adopted

<b>PW - Town Garage</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
4 gas fired tube heaters	2004	20	1	\$9,900	\$495	2024	\$	507
2 window a/c unit	2019	10	6	\$1,200	\$120	2029	\$	139
5 infrared heating units	1997	22	-4	\$2,750	\$0	2019	\$	-
2 electric heating units ceiling	2000	20	-3	\$1,200	\$0	2020	\$	-
Air compressor w dryer	2008	11	-4	\$25,000	\$0	2019	\$	-
2 post heavy duty lift - 12000	2017	15	9	\$7,530	\$502	2032	\$	627
2 post heavy duty lift - 18000	2017	15	9	\$19,301	\$1,287	2032	\$	1,607
2 post heavy duty lift - 18000	2020	15	12	\$20,000	\$1,333	2035	\$	1,793
Hot water pressure washer	2016	10	3	\$9,000	\$900	2026	\$	969
Exhaust evacuation system	2012	20	9	\$50,000	\$2,500	2032	\$	3,122
Portable Lift system	2017	15	9	\$74,900	\$4,993	2032	\$	6,236
				<b>\$220,782</b>	<b>\$12,130</b>		<b>\$</b>	<b>15,001</b>
<b>Kipps Restroom</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
1 ERV with Heat	2013	20	10	\$10,500	\$525	2033	\$	672
3-ceiling mounted unit heaters	2013	10	0	\$6,000	\$600	2023	\$	600
				<b>\$16,500</b>	<b>\$1,125</b>			<b>\$1,272</b>
<b>Odd Fellows Hall and Annex</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
1 Daikin heat pump with 2 indoor fan coils	2009	15	1	\$10,000	\$667	2024	\$	683
1 split system heat pump with electric heat	2009	15	1	\$6,000	\$400	2024	\$	410
				<b>\$16,000</b>	<b>\$1,067</b>			<b>\$1,093</b>
<b>Alexander Black House</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
2 Heat Pump systems	2014	20	11	\$25,000	\$1,250	2034	\$	1,640
1 HVAC Dehumidifier	2014	15	6	\$5,000	\$333	2029	\$	387
1 Heat Pump System - 2nd floor unit	2019	20	16	\$39,178	\$1,959	2039	\$	2,908
1 - ERV Unit	2019	20	16	\$6,000	\$300	2039	\$	445
Elevator	2019	30	26	\$73,000	\$2,433	2049	\$	4,624
				<b>\$148,178</b>	<b>\$6,276</b>			<b>\$10,004</b>
<b>Fire House III (FS-3)</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
4 Gas Furnaces w/ AC	2009	20	6	\$44,000	\$2,200	2029	\$	2,551
4 Tube type gas heat	2008	15	0	\$16,000	\$1,067	2023	\$	1,067
1 VFR system (12 indoor units & 2 outdoor units)	2015	15	7	\$100,000	\$6,667	2030	\$	7,925
1 ERV unit	2015	15	7	\$30,000	\$2,000	2030	\$	2,377
1 Elevator	2015	30	22	\$65,000	\$2,167	2045	\$	3,730
1 Compressor/Dryer	2008	11	-4	\$10,500	\$0	2019	\$	-
				<b>\$265,500</b>	<b>\$14,100</b>			<b>\$17,650</b>
<b>New Rescue</b>								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
Air Handler Unit-1/Heat Pump-1 Lobby	2016	20	13	\$7,850	\$393	2036	\$	541
Air Handler Unit-2/Heat Pump-2 Conf.	2016	20	13	\$7,850	\$393	2036	\$	541
Air Handler Unit-3/Heat Pump-3 Meeting	2016	20	13	\$7,850	\$393	2036	\$	541
Air Handler Unit-4/Heat Pump-4 Meeting	2016	20	13	\$7,850	\$393	2036	\$	541
Air Handler Unit-5/Heat Pump-5 Kitchen	2016	20	13	\$7,850	\$393	2036	\$	541
Air Handler Unit-6/Heat Pump-6 Lounge	2016	20	13	\$7,850	\$393	2036	\$	541

**Transfers to Building Systems Depreciation Fund, 2023/24**

Air Handler Unit-7/Heat Pump-7	Quiet Study	2016	20	13	\$7,850	\$393	2036	\$	541
Air Handler Unit-8/Heat Pump-8	TLTS/Corr	2016	20	13	\$7,850	\$393	2036	\$	541
Unit Heater-1	Apparatus Bay	2016	20	13	\$3,000	\$150	2036	\$	207
Unit Heater-2	Apparatus Bay	2016	20	13	\$3,000	\$150	2036	\$	207
Unit Heater-3	Apparatus Bay	2016	20	13	\$3,000	\$150	2036	\$	207
Unit Heater-4	Apparatus Bay	2016	20	13	\$3,000	\$150	2036	\$	207
Unit Heater-5	Apparatus Bay	2016	20	13	\$3,000	\$150	2036	\$	207
Unit Heater-6	Apparatus Bay	2016	20	13	\$3,000	\$150	2036	\$	207
Exhaust Fan-1	131-Bio Storage	2016	25	18	\$4,200	\$168	2041	\$	262
Exhaust Fan-2	132 - O2 Storage	2016	25	18	\$4,200	\$168	2041	\$	262
Exhaust Fan-3	133 - Storage RM #1	2016	25	18	\$4,200	\$168	2041	\$	262
Exhaust Fan-4	134 - Med Storage	2016	25	18	\$4,200	\$168	2041	\$	262
Exhaust Fan-5	135 - Med Restock	2016	25	18	\$4,200	\$168	2041	\$	262
Exhaust Fan-6	138 - Linen Laundry	2016	25	18	\$4,200	\$168	2041	\$	262
Exhaust Fan-7	140 - Dirty Laundry	2016	25	18	\$4,200	\$168	2041	\$	262
Exhaust Fan-8	Apparatus Bay	2016	25	18	\$4,200	\$168	2041	\$	262
Exhaust Fan-9	Apparatus Bay	2016	25	18	\$4,200	\$168	2041	\$	262
Exhaust Fan-10	137 - Jan. Closet	2016	25	18	\$4,200	\$168	2041	\$	262
Outside Air Unit-1/Outside Air Condensor Unit-1		2016	20	13	\$150,000	\$7,500	2036	\$	10,339
Variable Refrig. Unit-1.1	125 - Bunk	2016	15	8	\$4,200	\$280	2031	\$	341
Variable Refrig. Unit-1.2	126 - Bunk	2016	15	8	\$4,200	\$280	2031	\$	341
Variable Refrig. Unit-1.3	127 - Bunk	2016	15	8	\$4,200	\$280	2031	\$	341
Variable Refrig. Unit-1.4	128 - Bunk	2016	15	8	\$4,200	\$280	2031	\$	341
Variable Refrig. Unit-1.5	Gen. Off/114-Comm	2016	15	8	\$4,200	\$280	2031	\$	341
Variable Refrig. Unit-1.6	111 - 2nd Lt.	2016	15	8	\$4,200	\$280	2031	\$	341
Variable Refrig. Unit-1.7	110 - Chief	2016	15	8	\$4,200	\$280	2031	\$	341
Variable Refrig. Unit-1.8	107,108,109-Capt.&1st Lt.	2016	15	8	\$4,200	\$280	2031	\$	341
Variable Refrig. Unit-1.9	106 - Conf	2016	15	8	\$4,200	\$280	2031	\$	341
Variable Heat Pump-1		2016	15	8	\$4,500	\$300	2031	\$	366
Variable Refrig. Unit-2.1/Variable Heat Pump-2		2016	15	8	\$4,700	\$313	2031	\$	382
Variable Refrig. Unit-3.1/Variable Heat Pump-3		2016	15	8	\$4,700	\$313	2031	\$	382
Kitchen range hood (KRH)		2016	10	3	\$10,000	\$1,000	2026	\$	1,077
KRH Supply Fan		2016	10	3	\$1,500	\$150	2026	\$	162
KRH Exhaust Fan		2016	10	3	\$1,500	\$150	2026	\$	162
Gas Water heating system		2016	20	13	\$20,000	\$1,000	2036	\$	1,379
(4) Mini-Split Heat pump & wall caset units in Bunk Rooms		2021	20	18	\$40,000	\$2,000	2041	\$	3,119
(4) Dehumidification wall units in Bunk Rooms		2021	20	18	\$15,000	\$750	2041	\$	1,170
					\$357,500	\$20,967		\$	29,795
					\$3,407,705	\$120,831			\$156,730

Town of Blacksburg

101

FY 2024-2028 Adopted



**TITLE:** Transfer to Equipment Depreciation Fund

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This fund was established to set aside each year, on a cumulative basis, enough funding to allow for the replacement of equipment that has reached the end of its useful life. The list on the following pages contains equipment presently included in the replacement fund. Funding in this manner eliminates instances in which a large equipment purchase for the General Fund, Water and Sewer Fund, CDBG Fund and Solid Waste Fund would require an increase in taxes, fees or utility service rates.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 619,055	\$ 619,055	\$ 619,055	\$ 619,055	\$ 619,055	\$ 3,095,275	\$ Continuing
Police	Continuing	Continuing	371,875	371,875	371,875	371,875	371,875	1,859,375	Continuing
Rescue	Continuing	Continuing	204,458	204,458	204,458	204,458	204,458	1,022,290	Continuing
Fire	Continuing	Continuing	344,765	344,765	344,765	344,765	344,765	1,723,825	Continuing
Water/Sewer Fund	Continuing	Continuing	186,245	186,245	186,245	186,245	186,245	931,225	Continuing
Stormwater Fund	Continuing	Continuing	3,000	3,000	3,000	3,000	3,000	15,000	Continuing
Solid Waste Fund	Continuing	Continuing	115,248	115,248	115,248	115,248	115,248	576,240	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 1,844,646</b>	<b>\$ 1,844,646</b>	<b>\$ 1,844,646</b>	<b>\$ 1,844,646</b>	<b>\$ 1,844,646</b>	<b>\$ 9,223,230</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering		\$	\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	1,844,646	1,844,646	1,844,646	1,844,646	1,844,646	9,223,230	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 1,844,646</b>	<b>\$ 1,844,646</b>	<b>\$ 1,844,646</b>	<b>\$ 1,844,646</b>	<b>\$ 1,844,646</b>	<b>\$ 9,223,230</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
<b>Fire Fund</b>						
FD-B13	Truck-Brush, Heavy Duty	2015	9	210,000	23,333	2024
FD-14	Box Truck -Special Purpose	2014	11	90,000	8,182	2025
FD-E13	Pumper	2017	10	825,000	82,500	2027
FD-L11	Truck-Ladder	2007	20	1,000,000	50,000	2027
FD-C100	SUV, Full Size, w/add ons	2019	10	65,000	6,500	2029
FD-R13	SUV, Full Size, w/add ons	2019	10	65,000	6,500	2029
FD-MA12	Mobile Air Unit (Chasis)	2013	20	650,000	32,500	2033
FD-B11	Truck-Brush	2019	15	210,000	14,000	2034
FD-E10	Pumper	2018	20	825,000	41,250	2038
FD-L12	Truck-Ladder-Platform	2020	20	1,600,000	80,000	2040
<b>Fund Total:</b>				<b>\$5,540,000</b>	<b>\$344,765</b>	
<b>General Fund</b>						
AS-606	Sweeper-Street	2016	8	300,000	37,500	2024
AS-703	Loader	2012	12	175,000	14,583	2024
CC-701	Excavator, Mini 50 w/trailer	2014	10	86,000	8,600	2024
CC-901	Trailer, 28' Deckover Tilt	2014	10	20,000	2,000	2024
CE-701	Backhoe	2012	12	130,000	10,833	2024
EG-101	SUV, Economy 4WD	2014	10	30,000	3,000	2024
EO-502	Truck, Service Crane	2014	10	180,000	18,000	2024
GC-02	Blowers, Debris (2)	2016	8	15,000	1,875	2024
GC-804	Utility Cart w/ bed lift	2016	8	15,000	1,875	2024
GC-806	Mower-Fairway, 4WD	2012	12	50,000	4,167	2024
GR-801	Tractor, Side Mower	2014	10	150,000	15,000	2024
MP-503	Truck-Dump, Tandem, snow pkg	2015	9	195,000	21,667	2024
PW-06	Mowers (3)	2017	7	48,000	6,857	2024
PW-301	Van, Economy Cargo	2014	10	20,000	2,000	2024
ST-101	SUV, Economy 4WD	2014	10	30,000	3,000	2024
AS-704	Loader, Compact Track	2015	10	80,000	8,000	2025
BD-404	Truck-Pickup, 1 ton 4WD, util bed	2017	8	55,000	6,875	2025
EG-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2017	8	40,000	5,000	2025
EO-501	Road Tractor	2005	20	150,000	7,500	2025
GR-810	Mowing Tractor, Slope w/snow attach	2018	7	45,700	6,529	2025
HT-403	Truck-Pickup, F550 4WD, flatbed, snow	2018	7	75,000	10,714	2025
PK-809	Ballfield Rake 3 Wheel	2017	8	25,000	3,125	2025

Town of Blacksburg

103

FY 2024-2028 Adopted

**TRANSFER TO EQUIPMENT DEPRECIATION FUND**

Town of Blacksburg

104

FY 2024-2028 Adopted

Ref. #	Description	FY Acquired	Life	Replacement		Recommended
				Cost	Depreciation	Replacement
PW-01	Mowers (2)	2018	7	32,000	4,571	2025
TE-402	Truck-Pickup, 1 ton 4WD, util bed	2017	8	55,000	6,875	2025
TE-902	Message Board	2018	7	17,000	2,429	2025
TR-01	Trailers (7) - PW	2009	16	33,850	2,116	2025
AS-701	Backhoe w/attachments	2016	10	135,000	13,500	2026
BD-403	Truck-Pickup, 1 ton 4WD, util bed	2018	8	55,000	6,875	2026
GC-812	Mowing Tractor w/attachments	2018	8	40,500	5,063	2026
GR-402	Truck-Pickup, 1 ton 4WD, CC, long bed	2018	8	55,000	6,875	2026
HT-402	Truck-Pickup, 1 ton 4WD, CC, long bed	2018	8	55,000	6,875	2026
HT-404	Truck-Pickup, 1 ton 4WD, CC, long bed	2018	8	55,000	6,875	2026
IN-102	SUV, Economy 4WD	2016	10	30,000	3,000	2026
IN-105	SUV, Economy 4WD	2016	10	30,000	3,000	2026
PK-401	Truck-Pickup, 1 ton 4WD	2018	8	45,000	5,625	2026
PK-403	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2018	8	40,000	5,000	2026
PW-02	Mowers (2)	2019	7	32,000	4,571	2026
SD-701	Backhoe w/attachments	2016	10	135,000	13,500	2026
AS-501	Truck-Dump, Tandem, snow pkg	2020	7	195,000	27,857	2027
AS-502	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
AS-503	Truck-Dump, 4WD, snow pkg	2020	7	181,000	25,857	2027
CS-302	Van, Standard Cargo w/add-ons	2017	10	30,000	3,000	2027
EG-403	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2019	8	40,000	5,000	2027
GC-901	Leaf Vac w/Hopper	2017	10	32,000	3,200	2027
PW-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2019	8	40,000	5,000	2027
SD-501	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
SD-502	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
SW-501	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
TE-901	Message Board, Solar Powered	2020	7	15,000	2,143	2027
EG-102	SUV, Economy 4WD	2020	8	30,000	3,750	2028
IN-101	SUV, Economy 4WD	2018	10	30,000	3,000	2028
IN-104	SUV, Economy 4WD	2018	10	30,000	3,000	2028
MP-104	SUV, Economy 4WD	2018	10	30,000	3,000	2028
RC-101	SUV, Economy 4WD	2018	10	30,000	3,000	2028
RC-308	Van, 23-Passenger	2018	10	80,000	8,000	2028
SE-802A	Tractor, 4WD (Same as SE-802)	2018	10	37,500	3,750	2028
AS-602	Paver	2019	10	154,000	15,400	2029

**TRANSFER TO EQUIPMENT DEPRECIATION FUND**

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
<b>General Fund - continued</b>						
GC-401	Truck-Pickup, 1 ton 4WD w/dump bed	2017	12	55,000	4,583	2029
GC-805	Mower-Tractor, compact	2019	10	30,000	3,000	2029
GS-101	Sedan, Economy Electric	2019	10	35,000	3,500	2029
HT-503	Truck, Bucket	2019	10	132,000	13,200	2029
MP-502	Truck-Dump, Tandem, snow pkg	2022	7	225,000	32,143	2029
PW-04	Mowers (2)	2022	7	32,000	4,571	2029
PW-101	Sedan, Economy Electric	2019	10	35,000	3,500	2029
CE-808	Gator Toolcat	2020	10	50,000	5,000	2030
GC-801	Tractor, 40 HP	2017	13	55,000	4,231	2030
GR-401	Truck-Crew Cab w/Landscape Body	2022	8	60,000	7,500	2030
SD-901	Vaxcavator	2018	12	90,000	7,500	2030
SW-701	Excavator, Mini with Trailer	2021	10	110,000	11,000	2031
GC-810	Turf Sprayer	2019	13	36,000	2,769	2032
AS-609	Asphalt Roller	2021	12	50,000	4,167	2033
HT-801	Bobcat Toolcat	2023	12	70,000	5,833	2035
EO-901	Trailer, Low Boy	2020	18	85,000	4,722	2038
<b>Fund Total:</b>				<b>\$5,504,550</b>	<b>\$619,055</b>	
<b>Police Fund</b>						
PD-1601	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1602	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1603	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1604	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1605	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1606	SUV, Standard 4WD, unmarked w/add ons	2016	8	40,000	5,000	2024
PD-1607	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1608	SUV, Standard 4WD, unmarked w/add ons	2016	8	40,000	5,000	2024
PD-1609	Polaris Gem EZ Electric	2017	8	15,000	1,875	2025
PD-1701	SUV, Standard 4WD, unmarked w/add ons	2017	8	40,000	5,000	2025
PD-1702	SUV, Standard 4WD, unmarked w/add ons	2017	8	40,000	5,000	2025
PD-1703	Truck-Pickup, 1 ton 4WD, marked	2017	8	50,000	6,250	2025
PD-1704	SUV, Standard 4WD, unmarked w/add ons	2017	8	40,000	5,000	2025
PD-1705	SUV, Full Size-Marked, w/add ons	2017	8	70,000	8,750	2025
PD-1706	SUV, Full Size-Marked, w/add ons	2017	8	70,000	8,750	2025
PD-1707	SUV, Full Size-Marked, w/add ons	2017	8	70,000	8,750	2025

Town of Blacksburg

105

FY 2024-2028 Adopted

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Ref. #	Description	FY Acquired	Life	Replacement		Recommended Replacement
				Cost	Depreciation	
PD-1708	SUV, Full Size-Marked, w/add ons	2017	8	70,000	8,750	2025
PD-1709	SUV, Full Size-Marked, w/add ons	2017	8	70,000	8,750	2025
PD-1710	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1711	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1712	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1713	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1714	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1715	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1716	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1901	SUV, Full Size-Marked, w/add ons	2019	8	70,000	8,750	2027
PD-1902	SUV, Full Size-Marked, w/add ons	2019	8	70,000	8,750	2027
PD-1903	Sedan or Caravan, Full Size, unmarked	2019	8	30,000	3,750	2027
PD-2001	SUV, Standard, K9, w/ add ons	2020	8	75,000	9,375	2028
PD-2002	SUV, Standard, K9, w/ add ons	2020	8	75,000	9,375	2028
PD-2003	SUV, Standard, K9, w/ add ons	2020	8	75,000	9,375	2028
PD-2004	SUV, Standard, K9, w/ add ons	2020	8	75,000	9,375	2028
PD-2005	SUV, Full Size-Marked, w/add ons	2020	8	70,000	8,750	2028
PD-2006	SUV, Full Size-Marked, w/add ons	2020	8	70,000	8,750	2028
PD-2101	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
PD-2102	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
PD-2103	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
PD-2104	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
PD-2105	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
PD-2106	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
PD-2107	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
PD-2108	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
PD-2109	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
PD-2110	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
PD-2111	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
PD-2112	SUV, Full Size-Marked, w/add ons	2022	8	70,000	8,750	2030
<b>Fund Total:</b>				<b>\$2,975,000</b>	<b>\$371,875</b>	
<b>Rescue Fund</b>						
RS-M54	Ambulance, Type II	2018	8	268,000	33,500	2026
RS-M53	Ambulance	2021	8	275,000	34,375	2029
RS-M55	Ambulance	2021	8	275,000	34,375	2029

Town of Blacksburg

106

FY 2024-2028 Adopted

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Ref. #	Description	FY Acquired	Life	Replacement		Recommended Replacement
				Cost	Depreciation	
RS-R52	Suburban, 4WD	2019	10	75,000	7,500	2029
RS-M56	Ambulance-Type II	2023	8	311,000	38,875	2031
RS-R54	Truck-Pickup, 1 ton 4WD w/add ons	2019	12	70,000	5,833	2031
RS-S51	Rescue Crash Truck	2015	20	1,000,000	50,000	2035
<b>Fund Total:</b>				<b>\$2,274,000</b>	<b>\$204,458</b>	
<b>Stormwater Utility Fund</b>						
EG-103	SUV, Economy 4WD	2016	10	30,000	3,000	2026
<b>Fund Total:</b>				<b>\$30,000</b>	<b>\$3,000</b>	
<b>Solid Waste Fund</b>						
WM-902	Leaf Machine	2016	8	37,000	4,625	2024
WM-903	Leaf Machine	2016	8	37,000	4,625	2024
LB-01	Leaf Boxes (6) - PW	2015	10	51,000	5,100	2025
WM-501	Truck-Dump, 4WD, snow pkg	2020	7	181,000	25,857	2027
WM-502	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
WM-503	Loader, Knuckle Boom	2018	10	156,000	15,600	2028
WM-201	Sedan, Economy Electric	2022	10	35,000	3,500	2032
WM-910	Leaf Machine	2020	12	37,000	3,083	2032
WM-506	Truck Mounted Leaf Vac	2023	10	300,000	30,000	2033
<b>Fund Total:</b>				<b>\$994,000</b>	<b>\$115,248</b>	
<b>Water &amp; Sewer Fund</b>						
SE-901	Light Tower	2016	8	22,000	2,750	2024
SE-907	Sewer Washer w/Trailer	2017	7	45,000	6,429	2024
UB-402	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2016	8	40,000	5,000	2024
SE-405	Truck-Pickup, F550 4WD, util bed	2017	8	65,000	8,125	2025
SE-503	Truck-Dump, Tandem, non-snow	2016	9	140,000	15,556	2025
WA-502	Truck-Dump, Tandem, snow pkg	2016	9	195,000	21,667	2025
WA-704	Loader, Skid Steer w/attachments	2015	10	80,000	8,000	2025
PS-402	Truck-Pickup, 1 ton 4WD, util bed	2018	8	55,000	6,875	2026
SE-403	Truck-Pickup, 1 ton 4WD, util bed	2018	8	55,000	6,875	2026
WA-702	Excavator, Heavy Track and Trailer	2016	10	275,000	27,500	2026
WA-501	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
WA-602	Roller, Utility Trench Compactor	2017	10	35,000	3,500	2027
SE-802	Tractor, 4WD (same as SE-802A)	2018	10	37,500	3,750	2028
SE-702	Excavator, Mini with Trailer	2019	10	76,000	7,600	2029

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
<b>Water &amp; Sewer Fund - continued</b>						
WA-801	Mowing Tractor, Slope	2022	7	45,000	6,429	2029
SE-701	Backhoe	2020	12	130,000	10,833	2032
WA-703	Loader	2022	15	175,000	11,667	2037
<b>Fund Total:</b>				<b>\$1,630,500</b>	<b>\$175,412</b>	
<b>Grand Total:</b>				<b>\$18,948,050</b>	<b>\$1,833,813</b>	

**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Brush Mountain Trail System

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project will fund the design and construction of mountain biking, hiking and horse trails on Town-owned properties along Meadowbrook Drive that encompasses Brush Mountain. These trails will be connected to the National Forest and to the proposed trail/boardwalk system along Meadowbrook Drive. The trail design will be in accordance with preliminary plans received from the Brush Mountain Properties Stakeholders Group. The Town anticipates that the construction will be completed by a combination of contracted and volunteer labor. This project extends the Huckleberry Trail system and provides additional access to the National Forest.

**OPERATING IMPACT:** Public works will have additional maintenance cost and delivery of materials.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2022	Winter 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	196,500	96,500	\$ 50,000	\$ 50,000	\$	\$	\$	\$ 100,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>196,500</b>	<b>96,500</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	96,500	96,500	\$	\$	\$	\$	\$	\$ 0	Continuing
Construction	100,000		50,000	50,000				100,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>196,500</b>	<b>96,500</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined after construction.						0



**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Community Center Major Renovations

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

The community center was constructed in 1981 and is a vital facility offering over 900 programs to more than 120,000 users annually. Although a new recreation center is envisioned, keeping the current center maintained and relevant to our citizens' expectations is critical. This project will fund major maintenance of building systems, upgrades to the entrance lobby area, bathroom and locker room upgrades as well as other activity rooms and gymnasium amenities.

**OPERATING IMPACT:** Maintenance and utility costs are already in the operating budget.

**GOAL ADDRESSED:** Ensure Blacksburg's parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2026	Summer 2029

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds	1,790,000					100,000	1,690,000	1,790,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 1,790,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 1,690,000</b>	<b>\$ 1,790,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$ 100,000	\$	\$ 100,000	\$
Construction	100,000							0	
Equipment	1,690,000						1,690,000	1,690,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 1,790,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 1,690,000</b>	<b>\$ 1,790,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Ecological Restoration Contracts

**STATUS:** New

**PROJECT DESCRIPTION:**

This project will address the restorations of our passive parkland by hiring contractors who will restore the natural environment in our parks. Project could include stream restoration, dealing with invasive species, replanting of native plants and trees and erosion.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2024	Fall 2028

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 200,000	\$	\$	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 200,000	\$	\$					\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services				50,000	50,000	50,000	50,000	200,000	
<b>Total Uses</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Fitness Equipment

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project will provide funding to replace and install all new replacement fitness equipment in the Community Center Fitness Center.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2024	Summer 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 120,000	\$	\$	\$ 120,000	\$	\$	\$	\$ 120,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 120,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 120,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 120,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	120,000			120,000				120,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 120,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 120,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 120,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Golf Course Ventrac with Attachments

**STATUS:** New

**PROJECT DESCRIPTION:**

The Golf Course Ventrac is a piece of machinery that acts as a multi-faceted tool for grooming the Golf Course. It mows and can have many different attachments added to increase its multi function. The seed box, stump grinder & drag can be added quickly to assist in maintaining the Golf Course to a quality level and add to our efficiency.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2024	Summer 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 80,000	\$	\$ 80,000	\$	\$	\$	\$	\$ 80,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 80,000</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	80,000		80,000					80,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 80,000</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Golf Maintenance Building

**STATUS:** New

**PROJECT DESCRIPTION:**

The current Golf Maintenance Building is a metal structure that is over 50 years old and houses all Golf Course equipment: mowers, machinery, staff and supplies. We have outgrown the building as Golf Course operations and machinery have become very specialized over the past 25 years.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2024	Summer 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds	525,000			525,000				525,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 525,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 525,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 525,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction	525,000			525,000				525,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 525,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 525,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 525,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Hand-In-Hand Playground Addition

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

Hand-in-Hand Park was built as a regional playground over twenty years ago. The all wood playground was designed and built through an extensive citizen engagement process and continues to be a strong asset to the Municipal Park. The structure is requiring extensive repairs and replacement of wood components and is reaching the end of its useful life. A new playground structure is needed to continue to meet the recreation needs of children and families in the community and region. Meeting today’s safety standards as well as ensuring a creative and exciting playground for a wide age range and capabilities is needed. This project includes funding for a major replacement as well as plans for future expansion of amenities. A significant public engagement process will be used to design the playground as well as keep valued parts of the existing amenity such as the custom family donation fence pickets.

This project will add new features to the renovated Hand-in-Hand Park to ensure the park is fresh and exciting and families will return to play and explore.

**OPERATING IMPACT:** Replacement of current equipment, maintenance costs already in operating budget.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Spring 2024	Spring 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	100,000		\$	\$ 100,000	\$	\$	\$	\$ 100,000	\$ 0
General Obligation Bonds	899,200	899,200						0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>999,200</b>	<b>899,200</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	999,200	899,200		100,000				100,000	
Contractual Services								0	
<b>Total Uses</b>	<b>999,200</b>	<b>899,200</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.		100,000				100,000

**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Master Plan for Old High School Site

**STATUS:** New

**PROJECT DESCRIPTION:**

This project is to develop a master plan for the twenty-seven (27) acres that currently houses the athletic fields at the Old Blacksburg High School as well as the wooded area behind the old school site. This is planning for the future direction of the space: What should be kept, what should be added, how does this site compliment the Municipal Park amenities.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2024	Summer 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 50,000	\$	\$	\$ 50,000	\$	\$	\$	\$ 50,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	50,000			50,000				50,000	
<b>Total Uses</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Mobile Stage

**STATUS:** New

**PROJECT DESCRIPTION:**

This project will provide funding for a mobile stage that will enhance our offerings for special events around town. Instead of investing in a brick and mortar band shell, Town staff will be able to move the stage to different locations throughout the year. This will upgrade the 4th of July celebration, create a concert series in the parks, be used for downtown events and will lessen the time of set up and cost of rentals.

**OPERATING IMPACT:** None

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2024	Summer 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 145,000	\$	\$	\$	\$ 145,000	\$	\$	\$ 145,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 145,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 145,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 145,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	145,000				145,000			145,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 145,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 145,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 145,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0



**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Playground Replacement Fund

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project establishes a replacement account for playground equipment. This allows for the Town to replace equipment when needed and maintain safety standards in accordance with national standards. This project will also increase the offerings of play structures throughout the parks system. Added new elements and replacing worn out features will help upgrade the playgrounds. New elements such as additional swings, shade structures, climbing elements and tunnels will help create a more inviting play experience.

**OPERATING IMPACT:** Replacement of current equipment, maintenance costs already in operating budget.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 500,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	100,000	100,000	100,000	100,000	100,000	500,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 500,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Pump Track

**STATUS:** New

**PROJECT DESCRIPTION:**

This project will create a destination feature at the Mountain Biking Skills Park for all ages and skill levels. The pump track is used to develop pumping technique for balance, stamina, and speed of the rider. It will be installed on a flat section of land as an entry feature to the park.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2025	Spring 2026

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 50,000	\$	\$	\$	\$ 50,000	\$	\$	\$ 50,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	50,000				50,000			50,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** South Point Community Park Build-out  
**STATUS:** New  
**PROJECT DESCRIPTION:**

Based on the Master Plan, this project will build out the community park part of the South Point area. Creating eight acres of community space with a walking trail, five picnic shelters, flat common lawn play space and a south-end dog park will finish the park project. This will be a showcase park for residents south of the 460 by-pass and will eventually connect to the Huckleberry Trail.

**OPERATING IMPACT:** Public Works - More maintenance of grounds.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2027	Fall 2028

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds	1,312,500						1,312,500	1,312,500	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 1,312,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,312,500</b>	<b>\$ 1,312,500</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction	1,312,500						1,312,500	1,312,500	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 1,312,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,312,500</b>	<b>\$ 1,312,500</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined.						0

**Capital Improvement Program**

**Parks and Recreation Department**

**TITLE:** Vehicle Replacement

**STATUS:** New

**PROJECT DESCRIPTION:**

This project will provide funding to replace a 2001 Safari Mini van with a more useful pickup truck to assist in a greater number of programs and functions of the Parks and Recreation Department.

**OPERATING IMPACT:** Already in operating budget.

**GOAL ADDRESSED:** Ensure Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2024	Summer 2026

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 45,000	\$	\$	\$ 45,000	\$	\$	\$	\$ 45,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 45,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 45,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 45,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	45,000			45,000				45,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 45,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 45,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 45,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Costs already in operating budget.						0

**TITLE:** Industrial Park Trail and Sidewalk System Design and Construction

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project is intended to design and construct a sidewalk and multi-use trail system adjacent to the Industrial Park Road network and its connection to existing trail networks. Currently there are several sections of sidewalk in place but with very little connectivity. An estimated 7,250 linear feet of new infrastructure is needed to complete the network. With the recent approval of developments, like the Commerce Street Brewery, the need for a cohesive system becomes more important as potential foot and bicycle traffic is expected to increase. Of particular challenge will be connectivity across South Main Street to the existing trail system. A comprehensive design for the entire system will be conducted as the first phase of this process. The project will be evaluated for funding through the General Fund as well as other grant opportunities through VDOT.

Cost estimate for construction revised to reflect recent material cost projections.

**OPERATING IMPACT:** Public Work will have additional maintenance costs.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2023	Spring 2026

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 90,000	\$	\$ 90,000	\$	\$	\$	\$	\$ 90,000	\$ 0
General Obligation Bonds	715,000				250,000	465,000		715,000	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 805,000</b>	<b>\$ 0</b>	<b>\$ 90,000</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 465,000</b>	<b>\$ 0</b>	<b>\$ 805,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 90,000	\$	\$ 90,000	\$	\$	\$	\$	\$ 90,000	\$
Construction	715,000				250,000	465,000		715,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 805,000</b>	<b>\$ 0</b>	<b>\$ 90,000</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 465,000</b>	<b>\$ 0</b>	<b>\$ 805,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined at construction.						0

**TITLE:** Neighborhood Traffic Studies

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

There have been several rezonings approved that could potentially generate traffic that impact conditions in adjacent residential neighborhoods. These are off-site impacts that the developer cannot be required to provide mitigation measures. Typically, traffic calming measures may be installed to mitigate the impacts of the developments. This project will fund traffic studies to collect the necessary data (traffic counts and speed studies) to evaluate the traffic impacts, determine the appropriate traffic calming measures to be installed (if necessary) and provide construction funding for their installation. This process will include conducting neighborhood meetings with the residents to obtain input and concurrence on the mitigation measures.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2024	Fall 2026

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 153,000	\$ 80,000	\$ 36,000	\$ 37,000	\$	\$	\$	\$ 73,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 153,000</b>	<b>\$ 80,000</b>	<b>\$ 36,000</b>	<b>\$ 37,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 73,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 80,000	\$ 80,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	73,000		36,000	37,000				73,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 153,000</b>	<b>\$ 80,000</b>	<b>\$ 36,000</b>	<b>\$ 37,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 73,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**TITLE:** North Main Street at Givens Lane Intersection Modifications

**STATUS:** New

**PROJECT DESCRIPTION:**

This project will design and re-construct the North Main at Givens intersection to provide for a safe intersection crossing for the adjacent trail networks. Trail networks extend along both Givens Lane and North Main Street, however there is no defined crossing at the intersection. A safe and efficient crossing is needed to connect the two trail networks. Simply adding a marked and signed crosswalk is not recommended for this location due to the posted 35 MPH speed limit along North Main Street. A speed study was conducted, however it was not recommended to reduce speeds due to potential safety concerns. An alternative design is needed that could include a median island refuge, splitter islands, traffic signal, pedestrian hybrid beacon or other applicable traffic calming features. Design would include a traffic study to determine which features and intersection design would be warranted.

**OPERATING IMPACT:** Public Works will have additional maintenance requirements.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2023	Fall 2026

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 125,000	\$	\$ 125,000	\$	\$	\$	\$	\$ 125,000	\$ 0
General Obligation Bonds	935,000				935,000			935,000	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 1,060,000</b>	<b>\$ 0</b>	<b>\$ 125,000</b>	<b>\$ 0</b>	<b>\$ 935,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,060,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 125,000	\$	\$ 125,000	\$	\$	\$	\$	\$ 125,000	\$
Construction	935,000				935,000			935,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 1,060,000</b>	<b>\$ 0</b>	<b>\$ 125,000</b>	<b>\$ 0</b>	<b>\$ 935,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,060,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined at construction.						0

**TITLE:** Prices Fork Road Pedestrian Improvements

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project is intended to construct modifications that enhance pedestrian and bicycle safety along the Prices Fork Road corridor between Turner Street and North Main Street. A traffic study is currently in progress that will provide more detailed information as to potential improvements. Possible improvements include a new traffic signal, bicycle/pedestrian facilities and travel/turn lane configuration that will facilitate the safe movement of pedestrians and bicycles. This project will include performing traffic counts throughout the Prices Fork Road/University City Boulevard corridor so traffic signal timing and phasing can be coordinated with the improvements. This project supports the development planned by Virginia Tech to meet their agreement with Amazon and the Innovation Campus initiatives.

**OPERATING IMPACT:** Possible additional infrastructure requiring maintenance.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Spring 2023	Spring 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 370,000	\$ 370,000	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund Storm								0	0
Water Fund								0	0
VDOT Grant/Developer	2,250,000			2,250,000				2,250,000	0
<b>Total Sources</b>	<b>\$ 2,620,000</b>	<b>\$ 370,000</b>	<b>\$ 0</b>	<b>\$ 2,250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 2,250,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 370,000	\$ 370,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	2,250,000			2,250,000				2,250,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 2,620,000</b>	<b>\$ 370,000</b>	<b>\$ 0</b>	<b>\$ 2,250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 2,250,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined after construction.						0



**Capital Improvement Program**

**Engineering and GIS Department**

**TITLE:** Sidewalk Extension Design Projects

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding for potential projects that are intended to facilitate the extension or upgrade of sidewalk accessibility throughout the town. Potential locations for implementation are scattered about the town and are evaluated and prioritized regularly to insure critical accessibility issues are mitigated. Requests for sidewalk infill locations are generally considered through the Corridor Committee process. Previous infill areas have focused on completing network interlinks and upgrading areas that provide damaged or inadequate access.

**OPERATING IMPACT:** Regular sidewalk maintenance by the Public Works Department.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing
Construction								0	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determind after construction.						0

**Capital Improvement Program**

**Engineering and GIS Department**

**TITLE:** Streetlight Installation

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project will fund the installation of new streetlights when requested by citizens that submit petitions meeting the streetlight policy criteria and recommendations from the Town's Traffic Committee. Lights are installed to address safety concerns for drivers, pedestrians and homeowners.

**OPERATING IMPACT:** Minimal.

**GOAL ADDRESSED:** Ensuring a safe community.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 37,500	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>	<b>\$ 37,500</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing						0	Continuing
Contractual Services	Continuing	Continuing	7,500	7,500	7,500	7,500	7,500	37,500	Continuing
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>	<b>\$ 37,500</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Minimal.						0

**Capital Improvement Program**

**Engineering and GIS Department**

**TITLE:** Town-wide Transportation System Study

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

The purpose of this study is to develop a strategic view to establish priorities that best manage the use of our road network to include vehicles, bicycles, scooters, pedestrians and other modes of transportation. This will focus on the arterial and collector roads serving as the backbone to the transportation network of the town.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2025	Spring 2026

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 345,000	\$ 210,000	\$	\$ 135,000	\$	\$	\$	\$ 135,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 345,000</b>	<b>\$ 210,000</b>	<b>\$ 0</b>	<b>\$ 135,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 135,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 345,000	\$ 210,000	\$	\$ 135,000	\$	\$	\$	\$ 135,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 345,000</b>	<b>\$ 210,000</b>	<b>\$ 0</b>	<b>\$ 135,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 135,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**TITLE:** Traffic Signal Timing Traffic Counts

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

In order to ensure that the Town's transportation network continues to operate in a safe and efficient manner, it is critical that the traffic signal network functions effectively, utilizing timing patterns that allow all users the ability to travel throughout town. The timing patterns of the traffic signals should be reviewed periodically to determine if there are any modifications needed to allow for safe and efficient travel. This project will review one corridor of the Town's signal network each year. The project includes obtaining vehicular, bicycle and pedestrian counts, review of the data and making any of the necessary adjustments to the signals. The Town will hire a consultant to perform this work. The Downtown Corridor and the South Main Street Corridor studies have been completed. The corridors remaining are the Prices Fork Road West Corridor, the Prices Fork Road East/University City Boulevard Corridor, and the Free Operation Signals that are not located on any of the above corridors. The Prices Fork Road East/University City Boulevard Corridor counts will be performed as a part of the Prices Fork Road Pedestrian Improvements project.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2022	Fall 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 110,500	\$ 31,500	\$ 30,000	\$ 49,000	\$	\$	\$	\$ 79,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 110,500</b>	<b>\$ 31,500</b>	<b>\$ 30,000</b>	<b>\$ 49,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 79,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 110,500	\$ 31,500	\$ 30,000	\$ 49,000	\$	\$	\$	\$ 79,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 110,500</b>	<b>\$ 31,500</b>	<b>\$ 30,000</b>	<b>\$ 49,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 79,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Engineering and GIS Department**

**TITLE:** Two-year Orthophotography Updates

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

Update of the 3 inch orthophotography and oblique imagery to support development changes and impervious surface calculations for the Stormwater Program. Future funding is for the four year orthophotography update that includes LiDAR, contours, planimetrics and impervious surfaces. Projects are tied to a signed six year contract with Eagleview (Pictometry - originally signed October, 2020).

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Maintenance of current technology infrastructure to ensure quality services to Town citizens.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Winter 2024	Spring 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 185,000	\$ 110,000	\$	\$ 50,000	\$	\$ 25,000	\$	\$ 75,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 185,000</b>	<b>\$ 110,000</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 75,000	\$	\$	\$ 50,000	\$	\$ 25,000	\$	\$ 75,000	Continuing
Construction								0	
Equipment								0	
Contractual Services	110,000	110,000						0	Continuing
<b>Total Uses</b>	<b>\$ 185,000</b>	<b>\$ 110,000</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**TITLE:** Patrick Henry Drive - Pedestrian and Bicycle Improvements

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project will fund the feasibility study, full design and striping plan, as well as the construction of the new design and construction with a paint-only project of Patrick Henry Drive from North Main Street to Toms Creek Road to better accommodate bicycle and pedestrian traffic. The project is intended to enhance a major bicycle and pedestrian corridor with dedicated facilities and safe crossings.

The project includes \$25,000 for feasibility and full design including the striping plan and \$86,625 for the construction of the paint-only changes and changes to signalization for intersections. Following the design phase, construction costs may be reduced based on the determined project scope. The construction project may also be considered in two phases: (1) Main Street to Progress Street and (2) Progress Street to Toms Creek Road. The project cost may also be adjusted depending on availability of outside funding sources.

**OPERATING IMPACT:** No impacts anticipated in excess of regular road maintenance for pavement and markings.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2022	Fall 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 112,000	\$ 25,000	\$ 87,000	\$	\$	\$	\$	\$ 87,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 112,000</b>	<b>\$ 25,000</b>	<b>\$ 87,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 87,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 25,000	\$ 25,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	87,000		87,000					87,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 112,000</b>	<b>\$ 25,000</b>	<b>\$ 87,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 87,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Curb, Gutter and Sidewalk Rebuild

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding for the replacement of old deteriorated, damaged or settled portions of curb, gutter and sidewalk, as well as the construction of short segments of missing walkways and updates to curb ramps and driveways. This project is eligible for a VDOT Revenue Sharing match. Please refer to the Town's Future VDOT Revenue Share - Curb, Gutter and Sidewalk Rebuild list for a detailed listing of areas where this work will take place.

**OPERATING IMPACT:** Already in operating budget.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing	Continuing	Continuing				30,000	30,000	60,000	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 210,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	30,000	30,000	30,000	60,000	60,000	210,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 210,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Guardrail Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding to correct traffic safety hazards in the right-of-way involving the replacement of non-compliant guardrails in locations where these guardrails are required by VDOT standards. This project is eligible for a VDOT Revenue Sharing match. Please refer to the Town's Future VDOT Revenue Share - Guardrail Replacement list for a detailed listing of areas that will replace non-compliant guardrails and be brought up to VDOT standards.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$	\$	\$ 15,000	\$ 15,000	\$ 30,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing	Continuing	Continuing				15,000	15,000	30,000	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 60,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing				30,000	30,000	60,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 60,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0



**Capital Improvement Program**

**TITLE:** Major Roadway Repaving

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

Since 2013, roadway resurfacing is eligible for funding under the VDOT Revenue Sharing Program. The roads included must have a condition rating which indicates a significant enough deficiency to merit eligibility. The roadways identified are amongst the poorest condition in town, and thus most eligible for this funding. Please refer to the Town's Future VDOT Revenue Share - Paving list for a detailed listing of streets that are scheduled to be paved.

If the Town does not received funds for the VDOT Revenue Sharing Program, this project may be deferred.

**OPERATING IMPACT:** Already in operating budget.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$	\$	\$ 325,000	\$ 325,000	\$ 650,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing	Continuing	Continuing				325,000	325,000	650,000	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 650,000</b>	<b>\$ 650,000</b>	<b>\$ 1,300,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing				650,000	650,000	1,300,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 650,000</b>	<b>\$ 650,000</b>	<b>\$ 1,300,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
<b>Already in operating budget.</b>						<b>0</b>

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Right-of-Way Hazard Mitigation

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding to correct traffic safety hazards in the right-of-way involving trees or other heavy vegetation that conceal oncoming vehicles approaching driveways and/or intersecting roadways. Many of these hazards are located in the more rural portions of town. This project may be eligible for a VDOT Revenue Sharing match in FY2027 and future years.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 30,000	\$ 30,000	\$ 30,000	\$ 15,000	\$ 15,000	\$ 120,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing	Continuing	Continuing				15,000	15,000	30,000	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 150,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	30,000	30,000	30,000	30,000	30,000	150,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 150,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**TITLE:** Roadway Full Depth Reconstruction (FDR)

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding for the reconstruction of town streets through the process of Full Depth Reclamation (FDR). FDR will be performed on streets where reconstruction is needed and where normal pavement maintenance activities do not apply. This process will provide recycling and reconstruction of the road base material, but with a cost that is a fraction of traditional road reconstruction. The VDOT Revenue Sharing program does not always fund pavement maintenance activities that include asphalt pavement overlays. However, this process is considered to be road reconstruction and therefore is eligible for VDOT Revenue Sharing funds. Please refer to the Town's Future VDOT Revenue Share - Full Depth Reclamation list for a detailed listing of roads.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$	\$	\$ 200,000	\$ 200,000	\$ 400,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing	Continuing	Continuing				200,000	200,000	400,000	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 400,000</b>	<b>\$ 800,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing				400,000	400,000	800,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 400,000</b>	<b>\$ 800,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Sidewalk Trip Hazard Removal

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding for sidewalk trip hazard removal for "severe" and "most severe" classes of hazards by grinding down sidewalk or replacing brick sidewalk tripping hazards via acceptable VDOT methods, where settlement exceeds 1/2 inch to 2 1/2 inches. Trip hazard removal projects bring sidewalks into compliance with the Town's ADA Transition planning at a lower cost than full replacement. This project is eligible for a VDOT Revenue Sharing match. Please refer to the Town's Future VDOT Revenue Share - Trip Hazard Removal list for a detailed listing of sidewalks that are scheduled to be brought into ADA compliance utilizing this process.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$ 25,000	\$ 25,000	\$ 12,500	\$ 12,500	\$ 75,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing	Continuing	Continuing				12,500	12,500	25,000	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 100,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing		25,000	25,000	25,000	25,000	100,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 100,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**TITLE:** Clay Street Sidewalk and Roadway Improvements

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project is intended to provide a sidewalk connection along the south side of Clay Street from Church Street to Jefferson Street (approximately 2,600 feet) with adjustments to Clay Street to facilitate bike mobility and provide and improve storm drainage. The addition of sidewalk in this location will provide a connection between existing sections and complete the network along Clay Street. Curb, gutter and a drainage network will be added along the length of the project, as needed, and the roadway section will be widened, where applicable, to provide for appropriate on-road bike facilities. The addition of sidewalk and widening of the road will require stormwater management considerations and special attention will need to be given to the management of runoff due to the sensitive nature of the existing water shed. Small adjustments to the current Clay Street alignment, both vertical and horizontal, will be made to improve areas of poor sight distance and excess grade change.

**OPERATING IMPACT:** Public Works will have additional maintenance requirements.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Spring 2023	Spring 2028

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 1,621,000	\$ 225,000	\$	\$	\$	\$ 1,396,000	\$	\$ 1,396,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing	1,396,000					1,396,000		1,396,000	0
<b>Total Sources</b>	<b>\$ 3,017,000</b>	<b>\$ 225,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 2,792,000</b>	<b>\$ 0</b>	<b>\$ 2,792,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 225,000	\$ 225,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	2,792,000					2,792,000		2,792,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 3,017,000</b>	<b>\$ 225,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 2,792,000</b>	<b>\$ 0</b>	<b>\$ 2,792,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined at construction.						0

**TITLE:** Draper Road Streetscape Improvements

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project funds the final design and construction for the widened sidewalks and streetscape improvements to include street lighting on Draper Road between College Avenue and Roanoke Street. In addition, this project will include improvements to the remaining sidewalk from Roanoke Street to Lee Street on the east side. This project is intended to enhance the pedestrian routes between the Kent Square parking garage and College Avenue with an eight-foot wide walkway with brick banding and downtown streetscape elements. Outdoor dining plans for existing restaurants along Draper Road will also be included. When complete, the project will improve the streetscape from College Avenue to Washington Street and will significantly enhance the pedestrian experience and the vibrancy of downtown Blacksburg. This project will be submitted for VDOT Revenue Sharing funds or Transportation Enhancement Grant Program for construction funding.

A conceptual design for the Draper Road Streetscape Improvement project is underway. As part of the conceptual design, a traffic study was conducted to assist with developing plans. When complete, the conceptual design will include a preliminary cost estimate.

**OPERATING IMPACT:** Public Works will have additional maintenance costs.

**GOAL ADDRESSED:** Plan for additional downtown parking and future redevelopment.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2026	Summer 2028

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$ 850,000	\$ 370,000	\$	\$	\$ 480,000	\$	\$	\$ 480,000	\$ 0
General Obligation Bonds	2,000,000					1,250,000	750,000	2,000,000	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing	2,000,000					1,250,000	750,000	2,000,000	0
<b>Total Sources</b>	<b>\$ 4,850,000</b>	<b>\$ 370,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 480,000</b>	<b>\$ 2,500,000</b>	<b>\$ 1,500,000</b>	<b>\$ 4,480,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 850,000	\$ 370,000	\$	\$	\$ 480,000	\$	\$	\$ 480,000	\$
Construction	4,000,000					2,500,000	1,500,000	4,000,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 4,850,000</b>	<b>\$ 370,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 480,000</b>	<b>\$ 2,500,000</b>	<b>\$ 1,500,000</b>	<b>\$ 4,480,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined at construction.						0

**TITLE:** Countryside Estates Stormwater Improvement Project

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project provides funding to correct drainage problems in the right-of-way that include, but are not limited to, culvert replacement, stormwater pipe extension, pipe size upgrades, pipe repair, inlet installation, ditch installation, and manhole replacement. Currently the road drainage is exiting the right-of-way and flowing across multiple lots uncontrolled. This is causing water to enter homes and saturate foundations.

This project is designed to reconstruct the storm drainage network and stabilize the system so it is returned to a functional condition. When possible, these improvements will be constructed with Public Works forces and funding will cover material costs (pipes, inlets, manholes, etc.). When the need for a specialist arises or there are time sensitive components to the project, labor and equipment will be covered by this funding source. Funding in FY2025 is maintained at an appropriate level to address the engineering design and construction for this project.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2024	Fall 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund	195,200			195,200				195,200	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 195,200</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 195,200</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 195,200</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 42,000	\$	\$	\$ 42,000	\$	\$	\$	\$ 42,000	\$
Construction	153,200			153,200				153,200	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 195,200</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 195,200</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 195,200</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**TITLE:** Draper Road and Miller Street Box Culvert Replacement

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

The box culvert that runs along Miller Street and Draper Street that daylight behind the former Police Station is quite old and in disrepair. Much of the stream below the box culvert is no longer contained within the stormwater feature. This old system needs to be replaced before a significant failure occurs. This project seeks to replace the old existing box culvert from Miller Street to its discharge point behind the former Police Station and in front of the Five Chimneys building.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2025	Spring 2027

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund	351,000			50,000	301,000			351,000	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 351,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 301,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 351,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 50,000	\$	\$	\$ 50,000	\$	\$	\$	\$ 50,000	\$
Construction	301,000				301,000			301,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 351,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 301,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 351,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0



**TITLE:** Penn Street Drainage Improvement Project

**STATUS:** In Progress

**PROJECT DESCRIPTION:**

This project provides funding to correct drainage problems in the right-of-way that include, but are not limited to, culvert replacement, stormwater pipe extension, pipe size upgrades, pipe repair, inlet installation, ditch installation and manhole replacement. Funding in FY2020 through FY2021 was maintained at an appropriate level to address the preliminary engineering, design and right-of-way acquisition and construction for this project. A 2019 preliminary study has been completed and upstream detention alternatives need to be analyzed. This will most likely require land easement, since the Town does not already own any upstream properties. Once this has been evaluated, then the formal engineering design and easements will be completed and the construction for these projects will continue as funding is available. In some cases, bonds may be pursued for construction costs that exceed revenue in the fund. This need for bond revenue will be balanced with the time sensitivity and risk/cost benefit of the project.

**OPERATING IMPACT:** Additional storm drainage structures.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2022	Spring 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund	420,000	170,000	250,000					250,000	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 420,000</b>	<b>\$ 170,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 170,000	\$ 170,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	250,000		250,000					250,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 420,000</b>	<b>\$ 170,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined at construction.						0

**TITLE:** Progress Street and North Main Street Flood Mitigation

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

There has been some significant historical record of flooding at the intersection of North Main Street and Progress Street. This area drains hundreds of acres of watershed and this project is intended to identify the cause and provide a solution. The first stage of this project begins with a study that will provide guidance as to the cause of the flooding of this highly used intersection and propose some recommendations for mitigation.

The second stage of this project is to begin a full design of the repair needed to address the inadequacies that generate the frequent flooding. This can consist of land easements and the installation of larger stormwater conveyance pipes under the intersection and possibly into the downstream adjacent properties. The study that will begin in FY2023 will generate options for improvements; a full design will follow in FY2026 to be constructed in FY2027.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Spring 2023	Spring 2028

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds	560,000					560,000		560,000	0
Water/Sewer Fund								0	0
Storm Water Fund	130,000	50,000			80,000			80,000	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 690,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 560,000</b>	<b>\$ 0</b>	<b>\$ 640,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 130,000	\$ 50,000	\$	\$	\$ 80,000	\$	\$	\$ 80,000	\$
Construction	560,000					560,000		560,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 690,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 560,000</b>	<b>\$ 0</b>	<b>\$ 640,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Engineering and GIS Department**

**TITLE:** Stormwater Quality Improvements

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding to design and construct water quality improvements. These projects include, but are not limited to, stream restoration projects, stormwater facility retrofits to enhance water quality benefits, watershed studies to determine long term improvements to address Total Maximum Daily Loads (TMDL) requirements.

Funding is maintained at an appropriate level to address the proposed projects below. There may be other funding alternatives during the construction phases of these projects such as Stormwater Local Assistance Fund (SLAF), grants from the Department of Environmental Quality or Department of Forestry (DOF) Tree Planting Grants.

Schedule of Projects under this Stormwater Quality Project:

2024 Toms Creek Stream Restoration Design

2025 Maple Ridge Stormwater Pond Improvements

2026 Collegiate Suites Stormwater Facility Retrofit Design

**OPERATING IMPACT:** Additional storm drainage structures (i.e. pipes, manholes and inlets) to maintain.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund	Continuing	Continuing	50,000	50,000	50,000	50,000	50,000	250,000	Continuing
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	50,000	50,000	50,000	50,000	50,000	250,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined at construction.						0

**TITLE:** Stormwater Small Improvements and Minor Repairs

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project is intended to address small and immediate repairs of the storm drainage system. Funded projects will be small drainage problems in the right-of-way that include, but are not limited to, culvert replacement, stormwater pipe extension, pipe size upgrades, pipe repair, inlet installation, ditch installation and manhole replacement. When possible, these improvements will be constructed with Public Works forces and funding will cover material costs (pipes, inlets, manholes, etc.). When the need for a specialist is required or there are time sensitive components to the project, labor and equipment will be covered by this funding source.

**OPERATING IMPACT:** Reduction in maintenance burden to Public Works Department.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund	Continuing	Continuing	50,000	50,000	50,000	50,000	50,000	250,000	Continuing
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	50,000	50,000	50,000	50,000	50,000	250,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**TITLE:** Meter Maintenance and Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

The purpose of this project is to set aside funding to maintain and replace utility meters and the necessary electronic components. A water meter, like any other mechanical device, is subject to wear and deterioration with usage. With very few exceptions, meter accuracy decreases with age, resulting in under-registration and loss of accountability. This loss of accuracy also means a loss of water revenue. The system is twenty years old and the need to be pro-active in maintenance is vital. This funding will include a coordinated replacement of the residential meters with new technology and the replacement for erosion and environmental stressors for the ECR (Encoded Communications Register) and also replacement of one and two inch commercial meters. The replacement of the MXU's (Meter Transceiver Unit) was accomplished in FY2015, which allows for more accurate and efficient reading capabilities and will enable the Town to upgrade to FlexNet when needed. The annual amount has been reviewed to allow the replacement of the meters with the newest models that are available.

**OPERATING IMPACT:** Replacement of current equipment. Costs already in the operating budget.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	0
General Obligation Bonds								0	0
Water/Sewer Fund	Continuing	Continuing	235,000	235,000	235,000	235,000	235,000	1,175,000	Continuing
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 235,000</b>	<b>\$ 235,000</b>	<b>\$ 235,000</b>	<b>\$ 235,000</b>	<b>\$ 235,000</b>	<b>\$ 1,175,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	235,000	235,000	235,000	235,000	235,000	1,175,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 235,000</b>	<b>\$ 235,000</b>	<b>\$ 235,000</b>	<b>\$ 235,000</b>	<b>\$ 235,000</b>	<b>\$ 1,175,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in the operating budget.						0

**Capital Improvement Program**

**TITLE:** Radio Read Vehicle Transceiver Unit (VXU) Replacement/Upgrade

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

The purpose of this project is to fund the replacement of the VXU (Vehicle Transceiver Unit). This vehicle-based device is used to read meters by radio signals. The current unit was replaced in FY2022. As technology advances are seemingly ceaseless and changes occur daily, this project would allow for the upgrading and advancement of our Automated Meter Reading System in accordance with its replacement schedule.

**OPERATING IMPACT:** Replacement of current equipment. Costs already in the operating budget.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	0
General Obligation Bonds								0	0
Water/Sewer Fund	Continuing	Continuing				26,000		26,000	Continuing
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 26,000</b>	<b>\$ 0</b>	<b>\$ 26,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing				26,000		26,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 26,000</b>	<b>\$ 0</b>	<b>\$ 26,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in the operating budget.						0

**Capital Improvement Program**

**Engineering and GIS Department**

**TITLE:** Laurel Ridge Chemical Pump

**STATUS:** New

**PROJECT DESCRIPTION:**

The Laurel Ridge Development is located in a remote part of the water system. The distance from the water tank and inability to adequately flush the waterlines results in lower chlorine residuals. This project will provide a chemical pump and electrical upgrade to the existing pump station, providing additional chlorine in the summer months when higher temperatures deplete chlorine levels.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2023	Fall 2023

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	25,000		25,000					25,000	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 5,000	\$	\$ 5,000	\$	\$	\$	\$	\$ 5,000	\$
Construction	5,000		5,000					5,000	
Equipment	15,000		15,000					15,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**TITLE:** Laurel Ridge Waterline Replacement and Water Quality Upgrades

**STATUS:** New

**PROJECT DESCRIPTION:**

This project will replace approximately 10,000 linear feet of six inch waterline located in the Laurel Ridge neighborhood. Part of the project is to reroute a section of waterline crossing a ravine and a wet weather creek that is inaccessible to equipment. The project would also loop two dead end waterlines to improve water quality and provide redundancy in the event of a break.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2024	Spring 2026

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds	2,914,500				2,914,500			2,914,500	0
Water/Sewer Fund	100,000			100,000				100,000	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 3,014,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 2,914,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 3,014,500</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 100,000	\$	\$	\$ 100,000	\$	\$	\$	\$ 100,000	\$
Construction	2,914,500				2,914,500			2,914,500	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 3,014,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 2,914,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 3,014,500</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0



**TITLE:** Lead and Copper Rule Revisions - Service Line Investigation

**STATUS:** New

**PROJECT DESCRIPTION:**

The U.S. Environmental Protection Agency has issued revisions to the Lead and Copper Rule addressing lead service lines in all communities. One of the first requirements is to develop a water service line inventory from the water main to each residence, including the public and private sections of lines. The service line inventory deadline to the Virginia Department of Health is October 16, 2024. Service line investigation to populate the inventory database will include community records, visual inspection, sampling, and excavation of all service lines in town regardless of ownership or intended use. The Town has applied and will receive additional funding of \$56,000 from the Virginia Department of Health to begin the inventory of water service lines.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Winter 2022	Fall 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	100,000		50,000	50,000				100,000	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 20,000	\$	\$ 10,000	\$ 10,000	\$	\$	\$	\$ 20,000	\$
Construction								0	
Equipment								0	
Contractual Services	80,000		40,000	40,000				80,000	
<b>Total Uses</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**TITLE:** North Main Street Water Tank Backup Pump Station

**STATUS:** New

**PROJECT DESCRIPTION:**

A study dated August 9, 2011 on the Town of Blacksburg high-pressure water system concluded that additional storage in the southern region of this pressure zone was not feasible. The FAA determined the proposed sites for storage tanks would be considered hazardous obstructions to air navigation and therefore unacceptable. The study concluded that instead of additional storage for the high system, the demand could be met by assuring the low system could deliver to the high system when needed. The Town has significantly increased the low system storage, which provides a larger reservoir of storage for the high system. An emergency generator was added to allow the Highland Park pump station to remain operable if a power outage occurred.

Even with the additional storage and emergency generator, high system outages can occur if the single feed from the low system (Highland Park) is lost. An additional pump station at the Neil Street water tank will provide redundancy to reduce outages if the feed from Highland Park is lost. The additional water feed will increase reliability in maintaining adequate storage for the high water system, reduce stress on the existing pump station by alternating pumps, and provide a second feed when maintenance on tanks or pump stations is required.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Spring 2026	Summer 2027

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	400,000				50,000	350,000		400,000	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 350,000</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 50,000	\$	\$	\$	\$ 50,000	\$	\$	\$ 50,000	\$
Construction	350,000					350,000		350,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 350,000</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**TITLE:** Preston Avenue Sanitary Sewer Lining

**STATUS:** New

**PROJECT DESCRIPTION:**

This project will address an existing issue with the sanitary sewer main along Preston Avenue from Airport Road to Miller Street. The existing main consists mostly of 6-inch diameter, terra cotta main. At some point in time, a water main was extended through one manhole on the main. This has created a maintenance issue for the Public Works Department. Also, to prevent future maintenance and inflow and infiltration issues, the project will include lining approximately 2,360 of the terra cotta main. The project will relocate the water main that is in conflict with the manhole.

**OPERATING IMPACT:** Public Works-maintenance.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2023	Summer 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	390,000		390,000					390,000	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 390,000</b>	<b>\$ 0</b>	<b>\$ 390,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 390,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 75,000	\$	\$ 75,000	\$	\$	\$	\$	\$ 75,000	\$
Construction	315,000		315,000					315,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 390,000</b>	<b>\$ 0</b>	<b>\$ 390,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 390,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**TITLE:** Town Water System Unidirectional Flushing Program

**STATUS:** New

**PROJECT DESCRIPTION:**

The Town water supply system has seen a gradual reduction in the chlorine levels due in part to higher temperatures. Industry experts maintain to improve water quality, a town wide unidirectional flushing program is essential. The Town developed a unidirectional flushing program in 2005 during a switch from chlorine disinfection to chloramine disinfection. New development and changes to the distribution system require the program be updated to provide optimal results.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2023	Spring 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	85,000		85,000					85,000	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 85,000</b>	<b>\$ 0</b>	<b>\$ 85,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 85,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 85,000	\$	\$ 85,000	\$	\$	\$	\$	\$ 85,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 85,000</b>	<b>\$ 0</b>	<b>\$ 85,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 85,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Engineering and GIS Department**

**TITLE:** Town-wide Water Model Update

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

The Town water model requires calibration and maintenance on a five year schedule to maintain the integrity of the data produced by the model. The water model provides Town Engineers data to evaluate impacts of new development and predict water pressure, water age and fire flows throughout the system.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Spring 2028	Summer 2028

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	50,000						50,000	50,000	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 50,000	\$	\$	\$	\$	\$	\$ 50,000	\$ 50,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Engineering and GIS Department**

**TITLE:** Water Tank Inspections

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

The Virginia Department of Health recommends water storage tanks be inspected every five years by a qualified inspector. These periodic inspections help to ensure maintenance issues are addressed for continued delivery of safe drinking water, fire protection services, and emergency storage. Five-year inspections should follow the AWWA D101-53 standard for tank inspections.

Water quality can be adversely impacted by sediment buildup in water tanks. Tanks shall be cleaned and disinfected based on inspections and visual indication of sediment. Based on current water quality trends, it is estimated two tanks will need annual cleaning.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	0
General Obligation Bonds								0	0
Water/Sewer Fund	Continuing	Continuing	10,000	10,000	10,000	50,000	10,000	90,000	Continuing
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 50,000</b>	<b>\$ 10,000</b>	<b>\$ 90,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment								0	
Contractual Services	Continuing	Continuing	10,000	10,000	10,000	50,000	10,000	90,000	Continuing
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 50,000</b>	<b>\$ 10,000</b>	<b>\$ 90,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Engineering and GIS Department**

**TITLE:** Water Tank Maintenance Projects

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

The Health Department recommends water tanks be evaluated every five years. An evaluation of the water tanks was performed by Tank Industry Consultants in 2016 and 2021. The evaluations recommend addressing sanitary and operational deficiencies to properly maintain the tanks.

1. Alleghany Water Tank: Engineer estimate for clean and paint interior, cathodic protection system, and miscellaneous items as outlined in inspection report is \$592,000.
2. Neil Street Water Tank: Engineer estimate for clean and paint interior, miscellaneous items as outlined in inspection report is \$537,000.
3. North Main Water Tank: Professional Services to manage the movement of telecommunications equipment before maintenance, as outlined in TIC inspection report.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Fall 2023	Fall 2027

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	1,614,400	635,000		175,000		804,400		979,400	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 1,614,400</b>	<b>\$ 635,000</b>	<b>\$ 0</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 804,400</b>	<b>\$ 0</b>	<b>\$ 979,400</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 235,000	\$ 30,000	\$	\$ 175,000	\$	\$ 30,000	\$	\$ 205,000	\$
Construction	1,379,400	605,000				774,400		774,400	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 1,614,400</b>	<b>\$ 635,000</b>	<b>\$ 0</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 804,400</b>	<b>\$ 0</b>	<b>\$ 979,400</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**TITLE:** Windsor Hills Force Main Replacement

**STATUS:** New

**PROJECT DESCRIPTION:**

This project will address a maintenance issue with the Windsor Hills force main. There have been several leaks associated with this force main over the past one to two years. The Town hired a consultant to assist with investigating the cause of the leaks. The force main is a ductile iron force main. The consultant has determined that the leaks are related to a corrosion issue that could be created by the corrosive nature of the soil surrounding the force main. The force main has been in place since approximately 1991. The project will include replacement with approximately 2,010 feet of plastic force main, which should eliminate the corrosion issue. In the interim period during design and construction of the new force main, the Town will install a corrosion protection system at the areas of active corrosion. This system will prevent further corrosive activity along the force main.

**OPERATING IMPACT:** Public Works-maintenance.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2023	Summer 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	629,400		172,000	457,400				629,400	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>\$ 629,400</b>	<b>\$ 0</b>	<b>\$ 172,000</b>	<b>\$ 457,400</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 629,400</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 140,000	\$	\$ 140,000	\$	\$	\$	\$	\$ 140,000	\$
Construction	457,400			457,400				457,400	
Equipment								0	
Contractual Services	32,000		32,000					32,000	
<b>Total Uses</b>	<b>\$ 629,400</b>	<b>\$ 0</b>	<b>\$ 172,000</b>	<b>\$ 457,400</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 629,400</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0



**Capital Improvement Program**

**Public Works Department**

**TITLE:** Fire Hydrant and Water Valve Replacement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding to replace aging fire hydrants. Old hydrants are at high risk during exercising and flushing activities for potential water main breaks and leaks. With over 1,000 hydrants currently in service, this project will evaluate hydrants for replacement annually as determined by their age and maintenance record. This project also provides funding to replace older water main valves in need of replacement that are identified as part of a new water valve exercising program.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	0
General Obligation Bonds								0	0
Water/Sewer Fund	Continuing	Continuing	30,000	30,000	30,000	30,000	30,000	150,000	Continuing
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 150,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	30,000	30,000	30,000	30,000	30,000	150,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 150,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Sanitary Sewer Lining and Pipe Bursting for I & I Abatement

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding for the repair, replacement, pipe bursting and lining of old and/or broken sanitary sewer lines that do not provide adequate service and are at high-risk for inflow and infiltration. Specific locations for inflow and infiltration abatement measures are prioritized by a cross-departmental sanitary sewer working group and are identified through ongoing maintenance and operations.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	0
General Obligation Bonds								0	0
Water/Sewer Fund	Continuing	Continuing		250,000	250,000	250,000	250,000	1,000,000	Continuing
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>	<b>\$ 1,000,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing		250,000	250,000	250,000	250,000	1,000,000	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>	<b>\$ 1,000,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**TITLE:** Water Main Replacements

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding to upgrade undersized water lines that restrict flow, reduce pressure and do not provide adequate fire protection at various locations in the Town's water system. The smaller lines account for the majority of leaks experienced throughout the year. The lines will be replaced with standard 8-inch mains. Many of these small lines are galvanized pipe, are more than fifteen years of age, and have corroded to a stage that severely restricts the flow. In many cases, over half of the inside diameter is blocked by corrosion. A project list is provided on the following page(s).

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	0
General Obligation Bonds								0	0
Water/Sewer Fund	Continuing	Continuing		256,332	343,486	327,127	323,630	1,250,575	Continuing
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 256,332</b>	<b>\$ 343,486</b>	<b>\$ 327,127</b>	<b>\$ 323,630</b>	<b>\$ 1,250,575</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing		256,332	343,486	327,127	323,630	1,250,575	Continuing
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 256,332</b>	<b>\$ 343,486</b>	<b>\$ 327,127</b>	<b>\$ 323,630</b>	<b>\$ 1,250,575</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

## Water Main Replacement Projects FY 2024 - 2028

<u>Location</u>	<u>From</u>	<u>To</u>	<u>Length</u>	<u>Water Main</u>	<u>Paving</u>	<u>Total</u>
<b>FY 2024</b>						
						\$ -
<b>FY 2025</b>						
Palmer Drive	Upland Road	Country Club Drive	2500	\$ 118,519	\$ 137,813	\$ 256,332
<b>FY 2026</b>						
Alleghany St.	414 Alleghany	519 Alleghany	1000	\$ 49,778	\$ 70,744	
Eheart St.	Main St.	Willard Dr.	1850	\$ 92,089	\$ 130,875	
			<b>2850</b>	<b>\$ 141,867</b>	<b>\$ 201,619</b>	<b>\$ 343,486</b>
<b>FY 2027</b>						
Wellesley Ct.	Cambridge Rd.	Tall Oaks Dr.	375	\$ 19,600	\$ 27,855	
Hearthstone Dr.	Giles Rd.	Dickerson Ln.	1284	\$ 67,111	\$ 95,376	
Greenwood Drive	Forest Hills	Shelor Ln	935	\$ 47,733	\$ 69,452	
			<b>2594</b>	<b>\$ 134,444</b>	<b>\$ 192,683</b>	<b>\$ 327,127</b>
<b>FY 2028</b>						
Piedmont St.	Knob Hill Dr.	Jefferson St.	950	\$ 52,136	\$ 74,095	
Nellies Cave Rd.	Shelor Ln.	Town Limits	1500	\$ 80,406	\$ 116,993	
			<b>2450</b>	<b>\$ 132,542</b>	<b>\$ 191,088</b>	<b>\$ 323,630</b>

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Wastewater Pump Station Renewal

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding for the Public Works Department to renew older Wastewater Pump station controls, mechanical pumping equipment, emergency pump around plumbing and wetwell repairs. The following is the example order for rehabilitation of existing pump stations: Karr Heights, Shawnee, Union, Wyatt Farms, Highland Park and Brookfield pump stations.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	0
General Obligation Bonds								0	0
Water/Sewer Fund	Continuing	Continuing	120,000	120,000	120,000	120,000	120,000	600,000	Continuing
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 600,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	50,000	50,000	50,000	50,000	50,000	250,000	Continuing
Equipment			70,000	70,000	70,000	70,000	70,000	350,000	
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 600,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**TITLE:** BT Access Bus Replacement and Expansion Program

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

Blacksburg Transit has developed a replacement/expansion program for the fleet associated with this service in Blacksburg, which meets customer demand and is consistent with local, state and federal regulations. The proposed schedule for paratransit vehicle replacement/expansion is as follows:

<u>Year</u>	<u>Description</u>	<u>Number</u>	<u>Type</u>
FY2024	Body on Chassis	4	Replacement
FY2025	Body on Chassis	2	Replacement
FY2026	Body on Chassis	1	Replacement
FY2027	None Scheduled		
FY2028	Body on Chassis	2	Replacement

Blacksburg Transit may extend the replacement schedule for certain BT Access vehicles if warranted, based on a periodic review of mileage, condition and age. Changes in service and funding may alter future vehicle needs, sizes and types. If grants are unavailable, the project may be deferred.

**OPERATING IMPACT:** Replacement vehicles will result in negligible impact on operating budget.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

<b>ESTIMATED START</b>	<b>ESTIMATED COMPLETION</b>
Continuing	Continuing

**Funding Sources**

<b>Sources</b>	<b>Total Required Project Funding</b>	<b>Funded through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Funds Required</b>
Federal Funds	Continuing	Continuing	\$ 142,300	\$ 46,800	\$ 38,500	\$	\$ 81,700	\$ 309,300	Continuing
State Funds	Continuing	Continuing	569,200	186,900	153,900		326,500	1,236,500	Continuing
Local Funds	Continuing	Continuing	125,500	41,300	33,900		72,000	272,700	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 837,000</b>	<b>\$ 275,000</b>	<b>\$ 226,300</b>	<b>\$ 0</b>	<b>\$ 480,200</b>	<b>\$ 1,818,500</b>	<b>Continuing</b>

**Planned Uses**

<b>Uses</b>	<b>Total Project Cost</b>	<b>Appropriated through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Project Cost</b>
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	837,000	275,000	226,300		480,200	1,818,500	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 837,000</b>	<b>\$ 275,000</b>	<b>\$ 226,300</b>	<b>\$ 0</b>	<b>\$ 480,200</b>	<b>\$ 1,818,500</b>	<b>Continuing</b>

**Operating Impact**

<b>Expense Category</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>
Already in operating budget.						0

**Capital Improvement Program**

**TITLE:** Bus Pull-Offs

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding for buss pull-offs to pick up and drop off passengers without blocking travel lines. Pull-offs are most appropriate at high volume bus stops and on busy streets to improve safety for bus riders, bike riders, and automobile drivers. The planned projects include new pull-offs and extensions of existing pull-offs to accommodate 60-foot buses.

<u>Year</u>	<u>Description</u>
FY2024	None Scheduled
FY2025	Progress St. at Hunt Club Road, SB, Stop #1326-NEW
FY2026	Merge Progress St. at University Terrace, NB, Stop #1306 and Progress St. at Patrick Henry Drive, NB, Stop #1307-NEW
FY2027	Merge Patrick Henry Drive at Main St. WB, Stop #1408 and Patrick Henry Drive at Giles Road, WB, Stop #1407-NEW
FY2028	Seneca Circle and Patrick Henry Drive, SB, Stop #1415-NEW

If grants are unavailable, the project may be deferred.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

<b>ESTIMATED START</b>	<b>ESTIMATED COMPLETION</b>
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$	\$ 15,000	\$ 15,900	\$ 15,900	\$ 15,900	\$ 62,700	Continuing
State Funds	Continuing	Continuing		59,800	63,600	63,600	63,600	250,600	Continuing
Local Funds	Continuing	Continuing		13,200	14,000	14,000	14,000	55,200	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 88,000</b>	<b>\$ 93,500</b>	<b>\$ 93,500</b>	<b>\$ 93,500</b>	<b>\$ 368,500</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing		88,000	93,500	93,500	93,500	368,500	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 88,000</b>	<b>\$ 93,500</b>	<b>\$ 93,500</b>	<b>\$ 93,500</b>	<b>\$ 368,500</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

**Capital Improvement Program**

**TITLE:** Christiansburg Bus Replacement and Expansion Program

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

Blacksburg Transit has developed a replacement/expansion program for the fleet associated with the service for Christiansburg, which meets customer demand and is consistent with the local, state and federal regulations. The proposed schedule for vehicle replacement/expansion is as follows:

<u>Year</u>	<u>Description</u>	<u>Number</u>	<u>Type</u>
FY2024	Body on Chassis	3	Replacement
FY2025	None Scheduled		
FY2026	Body on Chassis	2	Replacement
FY2027	None Scheduled		
FY2028	Body on Chassis	4	Replacement

Blacksburg Transit may extend the replacement schedule for certain vehicles if warranted, based on a periodic review of mileage, condition and age. Changes in service and funding may alter future vehicle needs, size and types. If grants are unavailable, the project may be deferred.

**OPERATING IMPACT:** Replacement vehicles will result in negligible impact on operating budget.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

<b>ESTIMATED START</b>	<b>ESTIMATED COMPLETION</b>
Continuing	Continuing

**Funding Sources**

<b>Sources</b>	<b>Total Required Project Funding</b>	<b>Funded through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Funds Required</b>
Federal Funds	Continuing	Continuing	\$ 121,100	\$	\$ 76,500	\$	\$ 162,400	\$ 360,000	Continuing
State Funds	Continuing	Continuing	484,300		306,200		649,600	1,440,100	Continuing
Local Funds	Continuing	Continuing	106,800		67,500		143,300	317,600	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 712,200</b>	<b>\$ 0</b>	<b>\$ 450,200</b>	<b>\$ 0</b>	<b>\$ 955,300</b>	<b>\$ 2,117,700</b>	<b>Continuing</b>

**Planned Uses**

<b>Uses</b>	<b>Total Project Cost</b>	<b>Appropriated through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Project Cost</b>
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	712,200		450,200		955,300	2,117,700	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 712,200</b>	<b>\$ 0</b>	<b>\$ 450,200</b>	<b>\$ 0</b>	<b>\$ 955,300</b>	<b>\$ 2,117,700</b>	<b>Continuing</b>

**Operating Impact**

<b>Expense Category</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>
Already in operating budget.						0



**Capital Improvement Program**

**TITLE:** Christiansburg Shelters and Amenities Replacement and Expansion Program

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding for bus stop improvements in Christiansburg and includes items such as bus shelters and associated improvements, based on prioritized needs.

<u>Year</u>	<u>Description</u>	<u>Number</u>	<u>Type</u>
FY2024	None Scheduled		
FY2025	Shelter at Spradlin Farms, Stop #2200	1	New
FY2026	Shelter at Electric/Fisher EB, Stop #2155	1	New
	Shelter pads and site improvements	1	Improvement
FY2027	Shelter at Farmview/Ridinger EB, pad and site improvements, Stop #2201	1	New
	Bus stop improvements-pad at Roanoke/Hungate WB, Stop #2116	1	Improvement
FY2028	Shelter at Roanoke/Evans EB, Stop #2111	1	New
	Bus Stop Improvement at Radford/College EB, Stop #2152	1	Improvement

If grants are unavailable, the project may be deferred.

**OPERATING IMPACT:** Cleaning of new shelters will result in a negligible impact on operating budget.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

<b>ESTIMATED START</b>	<b>ESTIMATED COMPLETION</b>
Continuing	Continuing

**Funding Sources**

<b>Sources</b>	<b>Total Required Project Funding</b>	<b>Funded through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Funds Required</b>
Federal Funds	Continuing	Continuing	\$	\$ 4,900	\$ 2,400	\$ 2,800	\$ 3,100	\$ 13,200	Continuing
State Funds	Continuing	Continuing		19,700	9,800	11,400	12,400	53,300	Continuing
Local Funds	Continuing	Continuing		4,400	2,200	2,500	2,700	11,800	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 29,000</b>	<b>\$ 14,400</b>	<b>\$ 16,700</b>	<b>\$ 18,200</b>	<b>\$ 78,300</b>	<b>Continuing</b>

**Planned Uses**

<b>Uses</b>	<b>Total Project Cost</b>	<b>Appropriated through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Project Cost</b>
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing		29,000	14,400	16,700	18,200	78,300	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 29,000</b>	<b>\$ 14,400</b>	<b>\$ 16,700</b>	<b>\$ 18,200</b>	<b>\$ 78,300</b>	<b>Continuing</b>

**Operating Impact**

<b>Expense Category</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>
Already in operating budget.						0

**Capital Improvement Program**

**TITLE:** Electric Bus Charging Infrastructure Program

**STATUS:** New

**PROJECT DESCRIPTION:**

With the ongoing transition to an electric bus fleet, Blacksburg Transit has developed a electric bus charging infrastructure program to build and maintain the charging equipment required to support battery electric buses. The program utilizes two types of chargers, depot chargers and on-route chargers. Depot charges are located at the Transit maintenance facility and are used to charge buses that are not in operation. Depot charges can charge multiple buses at once. On-route charges are currently planned for two locations on the VT campus and will be used to charge buses currently in operation. The proposed schedule for installing and maintaining the infrastructure equipment is as follows:

Year	Description	Number	Type
FY2024	Depot Chargers	2	Expansion
FY2025	On-Route Charger	1	Expansion
FY2026	None Scheduled		
FY2027	None Scheduled		
FY2028	Depot Chargers	2	Replacement

As with all Transit projects, if grants are unavailable, the project may be deferred.

**OPERATING IMPACT:** Electric buses are expected to result in a net savings as compared to diesel powered buses.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$ 140,300	\$ 178,500	\$	\$	\$ 72,200	\$ 391,000	Continuing
State Funds	Continuing	Continuing	561,000	714,000			289,000	1,564,000	Continuing
Local Funds	Continuing	Continuing	123,700	157,500			63,800	345,000	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 825,000</b>	<b>\$ 1,050,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 425,000</b>	<b>\$ 2,300,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	825,000	1,050,000			425,000	2,300,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 825,000</b>	<b>\$ 1,050,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 425,000</b>	<b>\$ 2,300,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
To be determined.						0

**Capital Improvement Program**

**TITLE:** Heavy Duty Bus Replacement and Expansion Program

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

Blacksburg Transit has developed a replacement/expansion program for the bus fleet associated with this service for Blacksburg which meets customer demand and is consistent with local, state and federal regulations. The proposed schedule for bus replacement/expansion is as follows:

<u>Year</u>	<u>Description</u>	<u>Number</u>	<u>Total</u>	<u>Type</u>
FY2024	40' / 60' Buses	2 / 2	4	Replacement
FY2025	40' / 60' Buses	4 / 2	6	Replacement
FY2026	None Scheduled			
FY2027	40' / 60' Buses	7 / 2	9	Replacement
FY2028	40' / 60' Buses	4 / 0	4	Replacement

Each bus purchase includes a spare parts package and other required components. Costs are based on electric bus prices. Changes in service and funding may alter future bus needs, sizes and types. If grants are unavailable, the project may be deferred.

**OPERATING IMPACT:** Electric buses are expected to result in a net savings as compared to diesel powered buses.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

<b>ESTIMATED START</b>	<b>ESTIMATED COMPLETION</b>
Continuing	Continuing

**Funding Sources**

<b>Sources</b>	<b>Total Required Project Funding</b>	<b>Funded through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Funds Required</b>
Federal Funds	Continuing	Continuing	\$ 1,050,700	\$ 1,471,000	\$	\$ 2,312,600	\$ 909,600	\$ 5,743,900	Continuing
State Funds	Continuing	Continuing	4,202,800	5,883,900		9,250,400	3,638,300	22,975,400	Continuing
Local Funds	Continuing	Continuing	927,100	1,297,900		2,040,500	802,500	5,068,000	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 6,180,600</b>	<b>\$ 8,652,800</b>	<b>\$ 0</b>	<b>\$13,603,500</b>	<b>\$ 5,350,400</b>	<b>\$ 33,787,300</b>	<b>Continuing</b>

**Planned Uses**

<b>Uses</b>	<b>Total Project Cost</b>	<b>Appropriated through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Project Cost</b>
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	6,180,600	8,652,800		13,603,500	5,350,400	33,787,300	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 6,180,600</b>	<b>\$ 8,652,800</b>	<b>\$ 0</b>	<b>\$13,603,500</b>	<b>\$ 5,350,400</b>	<b>\$ 33,787,300</b>	<b>Continuing</b>

**Operating Impact**

<b>Expense Category</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>
Already in operating budget.						0

**Capital Improvement Program**

**Transit Department**

**TITLE:** ITS System Replacement and Expansion Program

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

Intelligent Transportation Systems (ITS) are vital to the accuracy and reliability of Blacksburg Transit's customer facing information as well as effective delivery of services. Upgrades during this CIP period were developed in a consultant-led customer communication and ITS needs assessment.

<u>Year</u>	<u>Description</u>
FY2024	ITS Strategic Plan Update, Customer Information System Upgrades, Battery Electric Bus Energy Management System and Advanced Traffic Management System (ATMS)
FY2025	Customer Communications and ITS Systems updates per strategic plan, and Advanced Traffic Management Systems
FY2026	Customer Communications and ITS Systems updates per strategic plan, and Advanced Traffic Management Systems
FY2027	Customer Communications and ITS Systems updates per strategic plan, and Advanced Traffic Management Systems
FY2028	Customer Communications and ITS Systems updates per strategic plan, and Advanced Traffic Management Systems

If grants are unavailable, the project may be deferred.

**OPERATING IMPACT:** Will require maintenance agreements.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

<b>ESTIMATED START</b>	<b>ESTIMATED COMPLETION</b>
Continuing	Continuing

**Funding Sources**

<b>Sources</b>	<b>Total Required Project Funding</b>	<b>Funded through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Funds Required</b>
Federal Funds	Continuing	Continuing	\$ 101,200	\$ 134,700	\$ 143,300	\$ 123,100	\$ 104,700	\$ 607,000	Continuing
State Funds	Continuing	Continuing	404,800	538,800	573,100	492,300	418,900	2,427,900	Continuing
Local Funds	Continuing	Continuing	89,300	118,900	126,400	108,600	92,400	535,600	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 595,300</b>	<b>\$ 792,400</b>	<b>\$ 842,800</b>	<b>\$ 724,000</b>	<b>\$ 616,000</b>	<b>\$ 3,570,500</b>	<b>Continuing</b>

**Planned Uses**

<b>Uses</b>	<b>Total Project Cost</b>	<b>Appropriated through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Project Cost</b>
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	595,300	792,400	842,800	724,000	616,000	3,570,500	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 595,300</b>	<b>\$ 792,400</b>	<b>\$ 842,800</b>	<b>\$ 724,000</b>	<b>\$ 616,000</b>	<b>\$ 3,570,500</b>	<b>Continuing</b>

**Operating Impact**

<b>Expense Category</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>
Maintenance agreements.	15,000	17,500	25,000	30,000	35,000	122,500

**Capital Improvement Program**

**TITLE:** Radio Replacement and Expansion Program

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

Blacksburg Transit is initiating a planning study to update its maintenance and expansion program for digital two way radios. Historically, the program has focused on updating equipment to maintain functionality and remain current with advancements in technology. The proposed schedule for the planning study and upcoming radio equipment replacements is as follows:

Year	Description
FY2024	Twelve portable radios, six remote speaker microphones, twelve chargers, one multi-unit charger and a planning study (phase 1).
FY2025	Twelve portable radios, six remote speaker microphones, one repeater power supply and a planning study (phase 2).
FY2026	Portable radio, repeater and system upgrades as specified in the planning study.
FY2027	Portable radio, repeater and system upgrades as specified in the planning study.
FY2028	Portable radio, repeater and system upgrades as specified in the planning study.

If grants are unavailable, the project may be deferred.

**OPERATING IMPACT:** Replacement equipment and minor enhancements will result in negligible impact on operating budget.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$ 3,900	\$ 3,900	\$ 5,100	\$ 5,100	\$ 5,100	\$ 23,100	Continuing
State Funds	Continuing	Continuing	15,400	15,600	20,400	20,400	20,400	92,200	Continuing
Local Funds	Continuing	Continuing	3,400	3,400	4,500	4,500	4,500	20,300	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 22,700</b>	<b>\$ 22,900</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 135,600</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	22,700	22,900	30,000	30,000	30,000	135,600	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 22,700</b>	<b>\$ 22,900</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 135,600</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Transit Department**

**TITLE:** Shelters and Amenities Replacement and Expansion Program

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides funding for bus stop improvements in Blacksburg. The program includes items such as shelters, new concrete pads, short sidewalk connections, bike racks, trash receptacles and replacement parts based on prioritized needs.

<u>Year</u>	<u>Description</u>	<u>Number</u>	<u>Type</u>
FY2024	None Scheduled		
FY2025	Shelters at Campus I Lot/Cage SB Stop #1121, and Overflow Lot EB Stop #1120	2	New
FY2026	Shelters at Progress/Broce SB Stop #1328, and Harper Hall NB Stop #1126 Bus Stop improvements at Giles/Northview SB Stop #1404, and Giles/Heights NB Stop #1405	2	New Improvements
FY2027	Shelter at Progress/Univ. Terrace SB Stop #1327, pad, sidewalk extension and lighting	1	New
FY2028	None Scheduled		

This project includes funds for miscellaneous replacement parts, cement work, etc., as well. As with all Transit projects, if grants are unavailable, the project may be deferred.

**OPERATING IMPACT:** Cleaning of new shelters will result in a negligible impact on operating budget.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

<b>ESTIMATED START</b>	<b>ESTIMATED COMPLETION</b>
Continuing	Continuing

**Funding Sources**

<b>Sources</b>	<b>Total Required Project Funding</b>	<b>Funded through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Funds Required</b>
Federal Funds	Continuing	Continuing	\$	\$ 4,000	\$ 7,500	\$ 3,100	\$	\$ 14,600	Continuing
State Funds	Continuing	Continuing		16,100	29,800	12,400		58,300	Continuing
Local Funds	Continuing	Continuing		3,600	6,600	2,700		12,900	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 23,700</b>	<b>\$ 43,900</b>	<b>\$ 18,200</b>	<b>\$ 0</b>	<b>\$ 85,800</b>	<b>Continuing</b>

**Planned Uses**

<b>Uses</b>	<b>Total Project Cost</b>	<b>Appropriated through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Project Cost</b>
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing		23,700	43,900	18,200		85,800	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 23,700</b>	<b>\$ 43,900</b>	<b>\$ 18,200</b>	<b>\$ 0</b>	<b>\$ 85,800</b>	<b>Continuing</b>

**Operating Impact**

<b>Expense Category</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>
Already in operating budget.						0

**Capital Improvement Program**

**Transit Department**

**TITLE:** Support Vehicle Replacement and Expansion Program

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

Blacksburg Transit has developed a replacement/expansion program for support vehicles, which meets Transit's needs. The proposed schedule for support vehicle replacement/expansion is as follows:

<u>Year</u>	<u>Description</u>	<u>Number</u>	<u>Total</u>	<u>Type</u>	<u>Category</u>
FY2024	None Scheduled				
FY2025	Maintenance / Admin / Operations	4 / 4 / 1	9	Replacement	Heavy Duty / Light Duty / Light Duty
FY2026	Operations	1	1	Replacement	Light Duty
FY2027	None Scheduled				
FY2028	Operations	2	2	Replacement	Light Duty

Blacksburg Transit may extend the replacement schedule for some vehicles if warranted, based on a periodic review of mileage, condition and age. Costs are based on gas/diesel vehicles prices. If adequate funding is available, electric vehicles may be substituted for gas/diesel vehicles. Changes in service and funding may alter future vehicle needs, size and types. If grants are unavailable the project may be deferred.

**OPERATING IMPACT:** Replacement vehicles will result in negligible impact on operating budget.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

<b>ESTIMATED START</b>	<b>ESTIMATED COMPLETION</b>
Continuing	Continuing

**Funding Sources**

<b>Sources</b>	<b>Total Required Project Funding</b>	<b>Funded through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Funds Required</b>
Federal Funds	Continuing	Continuing	\$	\$ 90,100	\$ 8,700	\$	\$ 18,400	\$ 117,200	Continuing
State Funds	Continuing	Continuing		360,400	34,800		73,800	469,000	Continuing
Local Funds	Continuing	Continuing		79,500	7,700		16,300	103,500	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 530,000</b>	<b>\$ 51,200</b>	<b>\$ 0</b>	<b>\$ 108,500</b>	<b>\$ 689,700</b>	<b>Continuing</b>

**Planned Uses**

<b>Uses</b>	<b>Total Project Cost</b>	<b>Appropriated through 6/30/2023</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>	<b>Future Project Cost</b>
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing		530,000	51,200		108,500	689,700	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 0</b>	<b>\$ 530,000</b>	<b>\$ 51,200</b>	<b>\$ 0</b>	<b>\$ 108,500</b>	<b>\$ 689,700</b>	<b>Continuing</b>

**Operating Impact**

<b>Expense Category</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Total for Five Year CIP</b>
Already in operating budget.						0

**Capital Improvement Program**

**TITLE:** Transit Facility Maintenance Program

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

Each year there are maintenance requirements for the transit facility and vehicles which are necessary to maintain a state-of-the art maintenance, operations and administrative facility. Upcoming projects include:

Year	Description
FY2024	Low profile floor jack, abrasive blast cabinet, parking lot refinishing, facility security fencing, & other small miscellaneous equipment.
FY2025	Projects will be selected from the facility assessment plan based on prioritized needs.
FY2026	Projects will be selected from the facility assessment plan based on prioritized needs.
FY2027	Projects will be selected from the facility assessment plan based on prioritized needs.
FY2028	Projects will be selected from the facility assessment plan based on prioritized needs.

If grants are unavailable, the project may be deferred.

**OPERATING IMPACT:** Replacement equipment and minor enhancements will result in negligible impact on operating budget.

**GOAL ADDRESSED:** Provide a multi-modal transportation system that is safe, efficient, serves a diverse population and supports land use.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$ 97,800	\$ 46,800	\$ 51,000	\$ 51,000	\$ 55,300	\$ 301,900	Continuing
State Funds	Continuing	Continuing	391,000	187,000	204,000	204,000	221,000	1,207,000	Continuing
Local Funds	Continuing	Continuing	86,200	41,200	45,000	45,000	48,700	266,100	Continuing
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 575,000</b>	<b>\$ 275,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 325,000</b>	<b>\$ 1,775,000</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	575,000	275,000	300,000	300,000	325,000	1,775,000	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 575,000</b>	<b>\$ 275,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 325,000</b>	<b>\$ 1,775,000</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0



**Capital Improvement Program**

**Public Works Department**

**TITLE:** Major Equipment Purchases

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

The following pages list the equipment scheduled to be purchased over the next five years. Pieces fully depreciated will be purchased from the Equipment Depreciation Fund instead of the various operating funds. Each piece of equipment is inspected prior to being included on the upcoming years' lists to determine if the piece of equipment can provide additional service life. See attached pages for the Detailed Depreciation Schedule.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
Equipment Replacement Fund	Continuing	Continuing	\$ 2,335,000	\$ 1,764,550	\$ 1,880,500	\$ 3,704,000	\$ 901,000	\$ 10,585,050	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 2,335,000</b>	<b>\$ 1,764,550</b>	<b>\$ 1,880,500</b>	<b>\$ 3,704,000</b>	<b>\$ 901,000</b>	<b>\$ 10,585,050</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	2,335,000	1,764,550	1,880,500	3,704,000	901,000	10,585,050	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 2,335,000</b>	<b>\$ 1,764,550</b>	<b>\$ 1,880,500</b>	<b>\$ 3,704,000</b>	<b>\$ 901,000</b>	<b>\$ 10,585,050</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

## MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2024-2028

### Deferred Replacement

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
<b>General Fund</b>						
PN-101	SUV, Economy 4WD	2005	10	30,000	0	2015
MP-101	SUV, Economy 4WD	2008	8	30,000	0	2016
HD-101	SUV, Economy 4WD	2007	10	30,000	0	2017
MP-402	Truck-Pickup, 1 ton, Traffic Message Board	2001	16	45,000	0	2017
HD-201	Sedan, Economy	2008	10	25,000	0	2018
IN-103	SUV, Economy 4WD	2008	10	30,000	0	2018
MP-102	SUV, Economy 4WD	2008	10	30,000	0	2018
RC-201	Sedan, Economy	2008	10	25,000	0	2018
RC-306	Van, 15 Passenger	2008	10	60,000	0	2018
TM-101	SUV, Standard 4WD	2012	7	35,000	0	2019
GC-01	Mowers (2) - Golf Course	2015	7	32,000	0	2022
GC-801A	Tractor	1994	28	20,000	0	2022
GC-811	Mower-Greens	2015	7	35,000	0	2022
HT-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2014	8	40,000	0	2022
HT-802	ATV	2014	8	15,000	0	2022
PW-201	Sedan, Economy Electric	2014	8	35,000	0	2022
TE-401	Truck, Bucket	2012	10	143,000	0	2022
BD-402	Truck-Pickup, 1 ton 4WD, util bed	2015	8	55,000	0	2023
GC-601	Sand Trap Rake	2015	8	30,000	0	2023
SW-601	Saw, Walk Behind	2015	8	27,000	0	2023
<b>Fund Total:</b>				<b>\$772,000</b>	<b>\$0</b>	
<b>Police Fund</b>						
PD-1201	Van - Jail	2012	8	50,000	0	2020
PD-085	Van - Rapid Deployment w/add ons	2008	15	51,000	0	2023
PD-1310	SUV, Standard 4WD, unmarked w/add ons	2013	10	40,000	0	2023
PD-1311	SUV, Standard 4WD, unmarked w/add ons	2013	10	40,000	0	2023
PD-1312	Sedan-Unmarked	2013	10	35,000	0	2023
PD-1313	SUV, Hybrid-Marked w/add ons	2013	10	70,000	0	2023
PD-1319	SUV, Hybrid-Marked w/add ons	2013	10	70,000	0	2023
PD-1320	Motorcycle-Marked	2014	9	40,000	0	2023
PD-1321	Motorcycle-Marked	2014	9	40,000	0	2023
PD-1401	SUV, Standard 4WD, unmarked w/add ons	2014	9	40,000	0	2023
PD-1402	SUV, Standard 4WD, unmarked w/add ons	2014	9	40,000	0	2023
PD-1403	SUV, Full Size-Marked, w/add ons	2014	9	70,000	0	2023
PD-1409	SUV, Standard 4WD, unmarked w/add ons	2015	8	40,000	0	2023
<b>Fund Total:</b>				<b>\$626,000</b>	<b>\$0</b>	

Town of Blacksburg

175

FY 2024-2028 Adopted

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2024-2028

Deferred Replacement - continued

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
<b>Rescue Fund</b>						
RS-C53	Tahoe 4WD	2015	8	60,000	0	2023
RS-R51	Tahoe 4WD	2015	8	60,000	0	2023
<b>Fund Total:</b>				<b>120,000</b>	<b>0</b>	
<b>Solid Waste Fund</b>						
WM-802	Sweeper-Sidewalk	2015	8	36,000	0	2023
WM-905	Leaf Machine	2009	14	37,000	0	2023
WM-906	Leaf Machine	2009	14	37,000	0	2023
<b>Fund Total:</b>				<b>110,000</b>	<b>0</b>	
<b>Water &amp; Sewer Fund</b>						
WA-902	Air Compressor	2001	15	20,000	0	2016
WA-601	Asphalt Milling Machine	2004	15	71,000	0	2019
PS-902	Sewer Pump	2005	17	74,000	0	2022
SE-404	Truck-Pickup, 1 ton 4WD, util bed	2009	13	55,000	0	2022
SE-404A	Sewer TV System	2012	10	100,000	0	2022
<b>Fund Total:</b>				<b>\$320,000</b>	<b>\$0</b>	
<b>Total Deferred Replacement</b>				<b>\$1,948,000</b>	<b>\$0</b>	

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2024-2028

On Hold Due To Inability To Order

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
<b>Fire Fund</b>						
FD-21	Truck-Pickup, 1/2 ton 4WD w/add ons	2013	9	65,000	0	2022
FD-17	Truck-Pick-up, F-550 4WD, w/add ons	2006	17	75,000	0	2023
<b>Fund Total:</b>				<b>\$140,000</b>	<b>\$0</b>	
<b>General Fund</b>						
BD-405	Truck-Pickup, 1 ton 4WD, EC, tool box	2009	8	55,000	0	2017
SW-401	Truck-Pickup, F550 4WD, util bed	2012	8	65,000	0	2020
AS-903	Asphalt Patching Equipment	2014	8	80,000	0	2022
MP-401	Truck-Pickup, F550 4WD, dump bed,snow	2014	8	75,000	0	2022
PK-402	Truck-Pickup, 1 ton 4WD, EC, snow pkg	2014	8	55,000	0	2022
AS-401	Truck-Pickup, F550 4WD, CC, util bed	2015	8	65,000	0	2023
BD-401	Truck-Pickup,1/2 ton 4WD w/tow pkg,liftgate	2015	8	45,000	0	2023
BD-601	Scissor Lift with Trailer	2013	10	28,000	0	2023
CC-401	Truck-Pickup, F550 4WD, CC, util bed	2013	10	65,000	0	2023
CE-401	Truck-Pickup, 1 ton 4WD, long bed	2013	10	45,000	0	2023
CH-101	SUV, Economy 4WD	2008	15	30,000	0	2023
HT-405	Truck-F550, dump bed	2009	14	65,000	0	2023
HT-407	Truck-Pickup, 1/2 ton 4WD w/tow pkg	New Add	8	40,000	0	2023
HT-501	Truck- Dump, Water	2013	10	110,000	0	2023
HT-702	Loader, Skid Steer	2008	15	45,000	0	2023
PK-810	Mowing Tractor, slope w/field attach	2016	7	39,000	0	2023
PW-03	Mowers (2)	2014	9	32,000	0	2023
PW-05	Mowers (2)	2016	7	32,000	0	2023
RC-302	Van, 15-Passenger	2013	10	60,000	0	2023
RC-309	Van, 23-Passenger	New Add	10	90,000	0	2023
SD-401	Truck-Pickup, F550, liftgate	2013	10	65,000	0	2023
SD-702	Unloader	New Add	10	60,000	0	2023
<b>Fund Total:</b>				<b>\$1,246,000</b>	<b>\$0</b>	
<b>Water &amp; Sewer Fund</b>						
SE-401	Truck-Pickup, F550 4WD, util bed	2014	8	65,000	0	2022
UB-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2014	8	40,000	0	2022
UT-402	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2014	8	40,000	0	2022
PS-401	Truck-Pickup, F550, crane	2015	8	80,000	0	2023
SE-502	Sewer Truck-Combo Washer/Vax	2013	10	400,000	0	2023
SE-703	Loader, Heavy Track	2013	10	300,000	0	2023
UT-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2013	10	40,000	0	2023
WA-401	Truck-Pickup, F550 4WD, CC, util bed	2015	8	65,000	0	2023
WA-706	Excavator, Mini with Trailer	2013	10	115,000	0	2023
<b>Fund Total:</b>				<b>\$1,145,000</b>	<b>\$0</b>	
<b>Total On Hold</b>				<b>\$2,531,000</b>	<b>\$0</b>	

Town of Blacksburg

177

FY 2024-2028 Adopted

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2024-2028

FY Replacement 2024

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
<b>Fire Fund</b>						
FD-B13	Truck-Brush, Heavy Duty	2015	9	210,000	23,333	2024
<b>Fund Total:</b>				<b>\$210,000</b>	<b>\$23,333</b>	
<b>General Fund</b>						
AS-606	Sweeper-Street	2016	8	300,000	37,500	2024
AS-703	Loader	2012	12	175,000	14,583	2024
CC-701	Excavator, Mini 50 w/trailer	2014	10	86,000	8,600	2024
CC-901	Trailer, 28' Deckover Tilt	2014	10	20,000	2,000	2024
CE-701	Backhoe	2012	12	130,000	10,833	2024
EG-101	SUV, Economy 4WD	2014	10	30,000	3,000	2024
EO-502	Truck, Service Crane	2014	10	180,000	18,000	2024
GC-02	Blowers, Debris (2)	2016	8	15,000	1,875	2024
GC-804	Utility Cart w/ bed lift	2016	8	15,000	1,875	2024
GC-806	Mower-Fairway, 4WD	2012	12	50,000	4,167	2024
GR-801	Tractor, Side Mower	2014	10	150,000	15,000	2024
MP-503	Truck-Dump, Tandem, snow pkg	2015	9	195,000	21,667	2024
PW-301	Van, Economy Cargo	2014	10	20,000	2,000	2024
PW-06	Mowers (3)	2017	7	48,000	6,857	2024
ST-101	SUV, Economy 4WD	2014	10	30,000	3,000	2024
<b>Fund Total:</b>				<b>\$1,444,000</b>	<b>\$150,957</b>	
<b>Police Fund</b>						
PD-1601	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1602	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1603	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1604	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1605	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1606	SUV, Standard 4WD, unmarked w/add ons	2016	8	40,000	5,000	2024
PD-1607	SUV, Full Size-Marked, w/add ons	2016	8	70,000	8,750	2024
PD-1608	SUV, Standard 4WD, unmarked w/add ons	2016	8	40,000	5,000	2024
<b>Fund Total:</b>				<b>\$500,000</b>	<b>\$62,500</b>	
<b>Solid Waste Fund</b>						
WM-902	Leaf Machine	2016	8	37,000	4,625	2024
WM-903	Leaf Machine	2016	8	37,000	4,625	2024
<b>Fund Total:</b>				<b>\$74,000</b>	<b>\$9,250</b>	
<b>Water &amp; Sewer Fund</b>						
SE-901	Light Tower	2016	8	22,000	2,750	2024
SE-907	Sewer Washer w/Trailer	2017	7	45,000	6,429	2024
UB-402	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2016	8	40,000	5,000	2024
<b>Fund Total:</b>				<b>\$107,000</b>	<b>\$14,179</b>	
<b>Total FY 2024 Replacement</b>				<b>\$2,335,000</b>	<b>\$260,219</b>	

Town of Blacksburg

178

FY 2024-2028 Adopted

## MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2024-2028

### FY Replacement 2025

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
<b>Fire Fund</b>						
FD-14	Box Truck -Special Purpose	2014	11	90,000	8,182	2025
<b>Fund Total:</b>				<b>\$90,000</b>	<b>\$8,182</b>	
<b>General Fund</b>						
AS-704	Loader, Compact Track	2015	10	80,000	8,000	2025
BD-404	Truck-Pickup, 1 ton 4WD, util bed	2017	8	55,000	6,875	2025
EG-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2017	8	40,000	5,000	2025
EO-501	Road Tractor	2005	20	150,000	7,500	2025
GR-810	Mowing Tractor, Slope w/snow attach	2018	7	45,700	6,529	2025
HT-403	Truck-Pickup, F550 4WD, flatbed, snow	2018	7	75,000	10,714	2025
PK-809	Ballfield Rake 3 Wheel	2017	8	25,000	3,125	2025
PW-01	Mowers (2)	2018	7	32,000	4,571	2025
TE-402	Truck-Pickup, 1 ton 4WD, util bed	2017	8	55,000	6,875	2025
TE-902	Message Board	2018	7	17,000	2,429	2025
TR-01	Trailers (7) - PW	2009	16	33,850	2,116	2025
<b>Fund Total:</b>				<b>\$608,550</b>	<b>\$63,733</b>	
<b>Police Fund</b>						
PD-1609	Polaris Gem EZ Electric	2017	8	15,000	1,875	2025
PD-1701	SUV, Standard 4WD, unmarked w/add ons	2017	8	40,000	5,000	2025
PD-1702	SUV, Standard 4WD, unmarked w/add ons	2017	8	40,000	5,000	2025
PD-1703	Truck-Pickup, 1 ton 4WD, marked	2017	8	50,000	6,250	2025
PD-1704	SUV, Standard 4WD, unmarked w/add ons	2017	8	40,000	5,000	2025
PD-1705	SUV, Full Size-Marked, w/add ons	2017	8	70,000	8,750	2025
PD-1706	SUV, Full Size-Marked, w/add ons	2017	8	70,000	8,750	2025
PD-1707	SUV, Full Size-Marked, w/add ons	2017	8	70,000	8,750	2025
PD-1708	SUV, Full Size-Marked, w/add ons	2017	8	70,000	8,750	2025
PD-1709	SUV, Full Size-Marked, w/add ons	2017	8	70,000	8,750	2025
<b>Fund Total:</b>				<b>\$535,000</b>	<b>\$66,875</b>	
<b>Solid Waste Fund</b>						
LB-01	Leaf Boxes (6) - PW	2015	10	51,000	5,100	2025
<b>Fund Total:</b>				<b>\$51,000</b>	<b>\$5,100</b>	
<b>Water &amp; Sewer Fund</b>						
SE-405	Truck-Pickup, F550 4WD, util bed	2017	8	65,000	8,125	2025
SE-503	Truck-Dump, Tandem, non-snow	2016	9	140,000	15,556	2025
WA-502	Truck-Dump, Tandem, snow pkg	2016	9	195,000	21,667	2025
WA-704	Loader, Skid Steer w/attachments	2015	10	80,000	8,000	2025
<b>Fund Total:</b>				<b>\$480,000</b>	<b>\$53,347</b>	
<b>Total FY 2025 Replacement</b>				<b>\$1,764,550</b>	<b>\$197,238</b>	

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2024-2028

FY Replacement 2026

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
<b>General Fund</b>						
AS-701	Backhoe w/attachments	2016	10	135,000	13,500	2026
BD-403	Truck-Pickup, 1 ton 4WD, util bed	2018	8	55,000	6,875	2026
GC-812	Mowing Tractor w/attachments	2018	8	40,500	5,063	2026
GR-402	Truck-Pickup, 1 ton 4WD, CC, long bed	2018	8	55,000	6,875	2026
HT-402	Truck-Pickup, 1 ton 4WD, CC, long bed	2018	8	55,000	6,875	2026
HT-404	Truck-Pickup, 1 ton 4WD, CC, long bed	2018	8	55,000	6,875	2026
IN-102	SUV, Economy 4WD	2016	10	30,000	3,000	2026
IN-105	SUV, Economy 4WD	2016	10	30,000	3,000	2026
PK-401	Truck-Pickup, 1 ton 4WD	2018	8	45,000	5,625	2026
PK-403	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2018	8	40,000	5,000	2026
PW-02	Mowers (2)	2019	7	32,000	4,571	2026
SD-701	Backhoe w/attachments	2016	10	135,000	13,500	2026
<b>Fund Total:</b>				<b>\$707,500</b>	<b>\$80,759</b>	
<b>Police Fund</b>						
PD-1710	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1711	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1712	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1713	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1714	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1715	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
PD-1716	SUV, Full Size-Marked, w/add ons	2018	8	70,000	8,750	2026
<b>Fund Total:</b>				<b>\$490,000</b>	<b>\$61,250</b>	
<b>Rescue Fund</b>						
RS-M54	Ambulance, Type II	2018	8	268,000	33,500	2026
<b>Fund Total:</b>				<b>\$268,000</b>	<b>\$33,500</b>	
<b>Stormwater Utility Fund</b>						
EG-103	SUV, Economy 4WD	2016	10	30,000	3,000	2026
<b>Fund Total:</b>				<b>\$30,000</b>	<b>\$3,000</b>	
<b>Water &amp; Sewer Fund</b>						
PS-402	Truck-Pickup, 1 ton 4WD, util bed	2018	8	55,000	6,875	2026
SE-403	Truck-Pickup, 1 ton 4WD, util bed	2018	8	55,000	6,875	2026
WA-702	Excavator, Heavy Track and Trailer	2016	10	275,000	27,500	2026
<b>Fund Total:</b>				<b>\$385,000</b>	<b>\$41,250</b>	
<b>Total FY 2026 Replacement</b>				<b>\$1,880,500</b>	<b>\$219,759</b>	

Town of Blacksburg

180

FY 2024-2028 Adopted

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2024-2028

FY Replacement 2027

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
<b>Fire Fund</b>						
FD-E13	Pumper	2017	10	825,000	82,500	2027
FD-L11	Truck-Ladder	2007	20	1,000,000	50,000	2027
<b>Fund Total:</b>				<b>\$1,825,000</b>	<b>\$132,500</b>	
<b>General Fund</b>						
AS-501	Truck-Dump, Tandem, snow pkg	2020	7	195,000	27,857	2027
AS-502	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
AS-503	Truck-Dump, 4WD, snow pkg	2020	7	181,000	25,857	2027
CS-302	Van, Standard Cargo w/add-ons	2017	10	30,000	3,000	2027
EG-403	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2019	8	40,000	5,000	2027
GC-901	Leaf Vac w/Hopper	2017	10	32,000	3,200	2027
PW-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2019	8	40,000	5,000	2027
SD-501	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
SD-502	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
SW-501	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
TE-901	Message Board, Solar Powered	2020	7	15,000	2,143	2027
<b>Fund Total:</b>				<b>\$1,173,000</b>	<b>\$163,486</b>	
<b>Police Fund</b>						
PD-1901	SUV, Full Size-Marked, w/add ons	2019	8	70,000	8,750	2027
PD-1902	SUV, Full Size-Marked, w/add ons	2019	8	70,000	8,750	2027
PD-1903	Sedan or Caravan, Full Size, unmarked	2019	8	30,000	3,750	2027
<b>Fund Total:</b>				<b>\$170,000</b>	<b>\$21,250</b>	
<b>Solid Waste Fund</b>						
WM-501	Truck-Dump, 4WD, snow pkg	2020	7	181,000	25,857	2027
WM-502	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
<b>Fund Total:</b>				<b>\$341,000</b>	<b>\$48,714</b>	
<b>Water &amp; Sewer Fund</b>						
WA-501	Truck-Dump, Standard, snow pkg	2020	7	160,000	22,857	2027
WA-602	Roller, Utility Trench Compactor	2017	10	35,000	3,500	2027
<b>Fund Total:</b>				<b>\$195,000</b>	<b>\$26,357</b>	
<b>Total FY 2027 Replacement</b>				<b>\$3,704,000</b>	<b>\$392,307</b>	



MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2024-2028

FY Replacement 2028

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
<b>General Fund</b>						
EG-102	SUV, Economy 4WD	2020	8	30,000	3,750	2028
IN-101	SUV, Economy 4WD	2018	10	30,000	3,000	2028
IN-104	SUV, Economy 4WD	2018	10	30,000	3,000	2028
MP-104	SUV, Economy 4WD	2018	10	30,000	3,000	2028
RC-101	SUV, Economy 4WD	2018	10	30,000	3,000	2028
RC-308	Van, 23-Passenger	2018	10	80,000	8,000	2028
SE-802A	Tractor, 4WD (Same as SE-802)	2018	10	37,500	3,750	2028
<b>Fund Total:</b>				<b>\$267,500</b>	<b>\$27,500</b>	
<b>Police Fund</b>						
PD-2001	SUV, Standard, K9, w/ add ons	2020	8	75,000	9,375	2028
PD-2002	SUV, Standard, K9, w/ add ons	2020	8	75,000	9,375	2028
PD-2003	SUV, Standard, K9, w/ add ons	2020	8	75,000	9,375	2028
PD-2004	SUV, Standard, K9, w/ add ons	2020	8	75,000	9,375	2028
PD-2005	SUV, Full Size-Marked, w/add ons	2020	8	70,000	8,750	2028
PD-2006	SUV, Full Size-Marked, w/add ons	2020	8	70,000	8,750	2028
<b>Fund Total:</b>				<b>\$440,000</b>	<b>\$55,000</b>	
<b>Solid Waste Fund</b>						
WM-503	Loader, Knuckle Boom	2018	10	156,000	15,600	2028
<b>Fund Total:</b>				<b>\$156,000</b>	<b>\$15,600</b>	
<b>Water &amp; Sewer Fund</b>						
SE-802	Tractor, 4WD (same as SE-802A)	2018	10	37,500	3,750	2028
<b>Fund Total:</b>				<b>\$37,500</b>	<b>\$3,750</b>	
<b>Total FY 2028 Replacement</b>				<b>\$901,000</b>	<b>\$101,850</b>	

**TITLE:** Major Equipment Purchase Cost Adjustment

**STATUS:** New

**PROJECT DESCRIPTION:**

This project provides for the transfer of funding into the Equipment Replacement Fund to account for the inflationary cost adjustments of equipment purchases from FY2022, FY2023, and for equipment with deferred replacement status.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
July 2023	July 2023

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	\$
Police								0	
Rescue								0	
Fire								0	
Water/Sewer Fund	109,000		109,000					109,000	
Stormwater Fund	5,000		5,000					5,000	
Solid Waste Fund								0	
<b>Total Sources</b>	<b>\$114,000</b>		<b>\$ 114,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 114,000</b>	

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	114000		114,000					114,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$114000</b>		<b>\$ 114,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 114,000</b>	

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget						0

**TITLE:** Major Building Systems Replacements

**STATUS:** Continuing

**PROJECT DESCRIPTION:**

This project provides for the systematic replacement of major building systems equipment at the end of their useful life. Funds will be set aside each year based on the projected replacement cost and useful life, as is done for vehicles and equipment. The building systems listed on the attached schedule are only those systems due for replacement in the next five years. The implementation of this building system replacement program will eliminate the need to use operational funds to replace system equipment that fail unexpectedly during the fiscal year.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
Building System Replacement Fund	Continuing	Continuing	\$ 66,591	\$ 15,281	\$ 28,200	\$ 41,096	\$ 155,100	\$ 306,268	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
<b>Total Sources</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 66,591</b>	<b>\$ 15,281</b>	<b>\$ 28,200</b>	<b>\$ 41,096</b>	<b>\$ 155,100</b>	<b>\$ 306,268</b>	<b>Continuing</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	66,591	15,281	28,200	41,096	155,100	306,268	Continuing
Contractual Services								0	
<b>Total Uses</b>	<b>Continuing</b>	<b>Continuing</b>	<b>\$ 66,591</b>	<b>\$ 15,281</b>	<b>\$ 28,200</b>	<b>\$ 41,096</b>	<b>\$ 155,100</b>	<b>\$ 306,268</b>	<b>Continuing</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

## Major Building System 5 yr Projected Replacements for FY 2023/24 to 2027/28

Town of Blacksburg

### FY to be Replaced: 2024

<u>Location</u>	<u>Description</u>	<u>Installation Date</u>	<u>Life</u>	<u>Replacement Cost</u>	<u>Depreciation</u>
Bennett House	1 ea forced air electric furnace w/ heat pump	2004	20	\$3,308	\$165
Bennett House	1 ea forced air gas furnace w/ A/C	2004	20	\$3,308	\$165
Bennett House	2 ea a/c split system	2004	20	\$3,308	\$165
Price House	2 a/c split ductless heat pumps	2009	15	\$22,050	\$1,470
Thomas Conner House	1 gas fired boiler	1994	30	\$6,064	\$202
PW - Town Garage	4 gas fired tube heaters	2004	20	\$10,915	\$546
Odd Fellows Hall and Annex	1 Daikin heat pump with 2 indoor fan coils	2009	15	\$11,025	\$735
Odd Fellows Hall and Annex	1 split system heat pump with electric heat	2009	15	\$6,615	\$441
<b>FISCAL YEAR TOTAL:</b>				<b>\$66,591</b>	<b>\$3,890</b>

### FY to be Replaced: 2025

<u>Location</u>	<u>Description</u>	<u>Installation Date</u>	<u>Life</u>	<u>Replacement Cost</u>	<u>Depreciation</u>
Aquatic Center	Heat Exchanger - Spa	2005	20	\$15,281	\$764
<b>FISCAL YEAR TOTAL:</b>				<b>\$15,281</b>	<b>\$764</b>

### FY to be Replaced: 2026

<u>Location</u>	<u>Description</u>	<u>Installation Date</u>	<u>Life</u>	<u>Replacement Cost</u>	<u>Depreciation</u>
Purchasing Warehouse	2 large gas fired hanging heater - carpenter shop	2011	15	\$18,233	\$1,216
Purchasing Warehouse	ductless split system - technology	2006	20	\$6,078	\$304
PW Storage Building	1 gas fired furnace - sign shop	2011	15	\$3,890	\$259
<b>FISCAL YEAR TOTAL:</b>				<b>\$28,200</b>	<b>\$2,927</b>

185

FY 2024-2028 Recommended

**FY to be Replaced: 2027**

PW Garage	Hot water pressure washer	2016	10	\$11,487	\$1,149
<b>Pw Buidings</b>	gas fired furnace - sign shop	2011	15	\$4,084	\$272
<b>Purchasing Warehouse</b>	ductless split system - technology	2006	20	\$6,381	\$319
<b>Purchasing Warehouse</b>	2 large gas fired hanging heater - carpenter shop	2011	15	\$19,144	\$1,276
<b>FISCAL YEAR TOTAL:</b>				<b>\$41,096</b>	<b>\$1,740</b>

**FY to be Replaced: 2028**

<u>Location</u>	<u>Description</u>	<u>Installation Date</u>	<u>Life</u>	<u>Replacement Cost</u>	<u>Depreciation</u>
<b>Golf Course Maintenance Shop</b>	Irrigation pump system - Controls	2018	10	\$14,100	\$1,410
<b>Progress St. Fire House (FS-1)</b>	Water heating System	2018	10	\$30,000	\$3,000
<b>Blacksburg Motor Company</b>	14 Water Source Heat Pumps	2008	20	\$56,000	\$2,800
<b>Blacksburg Motor Company</b>	1 Engine Generator	2008	20	\$55,000	\$2,750
<b>FISCAL YEAR TOTAL:</b>				<b>\$155,100</b>	<b>\$9,960</b>
<b>5 year total</b>				<b>\$306,268</b>	<b>\$19,281</b>

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Automatic Leaf Vacuum Trucks

**STATUS:** Previously Included

**PROJECT DESCRIPTION:**

This project provides funding for two automatic leaf vacuum trucks, which use a single operator to collect leaves, trash, plastic bottles and almost any other material from the roadway and parking lots. Primarily used as a leaf vacuum, this unit will perform the function of a four-person leaf collection crew that uses two single axle dump trucks and a pull-behind leaf vacuum. This vehicle can also be used to remove debris from roadside ditches and storm water structures. The fully automated collection process will reduce much of the manual labor involved with leaf collection, exposure to weather extremes, and the associated risk of workplace injury.

**OPERATING IMPACT:** Maintenance costs already in operating budget.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2022	Summer 2024

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
Solid Waste Fund	600,000	300,000	300,000					300,000	0
<b>Total Sources</b>	<b>\$ 600,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	600,000	300,000	300,000					300,000	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 600,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
Already in operating budget.						0

**Capital Improvement Program**

**Public Works Department**

**TITLE:** Brush, Leaf and Debris Management Plan

**STATUS:** In Progress

**PROJECT DESCRIPTION:**

This project provides funding to develop a debris management plan to evaluate options for alternative debris management sites due to the loss of the Town's current disposal site. This project will also support the department emergency debris management program.

**OPERATING IMPACT:** None.

**GOAL ADDRESSED:** Ensure a sustainable community to provide a high quality of life for current and future generations.

**Significant Dates**

ESTIMATED START	ESTIMATED COMPLETION
Summer 2018	Spring 2025

**Funding Sources**

Sources	Total Required Project Funding	Funded through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
Solid Waste Fund	75,000	25,000		50,000				50,000	0
<b>Total Sources</b>	<b>\$ 75,000</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>

**Planned Uses**

Uses	Total Project Cost	Appropriated through 6/30/2023	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 25,000	\$ 25,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	50,000			50,000				50,000	
Equipment								0	
Contractual Services								0	
<b>Total Uses</b>	<b>\$ 75,000</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>

**Operating Impact**

Expense Category	FY24	FY25	FY26	FY27	FY28	Total for Five Year CIP
None.						0

# TOWN OF Blacksburg VIRGINIA

William H. Brown  
Building  
200 CLAY STREET, S.W.

BLACKSBURG  
POLICE  
DEPARTMENT

[www.blacksburg.gov](http://www.blacksburg.gov)

