

Town of Blacksburg, Virginia

ADOPTED CAPITAL
IMPROVEMENT PROGRAM



Fiscal Years 2022/2023-2026/2027

Town of Blacksburg

FY 2022/2023-2026/2027

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 – Christopher S. Lawrence
Deputy Town Manager – Steven F. Ross
Assistant to the Town Manager / Housing Director - Matthew T. Hanratty
Town Attorney – Lawrence S. Spencer, Jr.
Town Clerk - Lorraine S. Spaulding
Director of Financial Services - Susan H. Kaiser
Fire Chief - Drew Smith
Director of Parks and Recreation - Dean B. Crane
Director of Planning and Building – Anne L. McClung
Director of Engineering and GIS – S. Randy Formica
Chief of Police – Anthony S. Wilson
Community Relations Manager - Heather D. Browning
Human Resources Manager – Teresa A. Harless
Director of Public Works - S. Kelly Mattingly
Rescue Chief – David English
Director of Technology - Steven B. Jones
Transit Director – Brian D. Booth

RESOLUTION 1-C-22

A RESOLUTION ADOPTING THE CAPITAL IMPROVEMENT
PROGRAM FOR FY2022/2023 THROUGH FY2026/2027

BE IT RESOLVED by the Council of the Town of Blacksburg that this Council adopts the Capital Improvement Program for Fiscal Years 2022/2023 through 2026/2027, a copy of which is on file in the Office of the Town Clerk, with the following notation:

Page 55 Merrimac Affordable Housing Development - \$47,500 voted on separately.



Mayor

ATTEST:



Town Clerk

Date of Adoption: January 25, 2022.

December 7, 2021

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 2023-2027 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 CIP supports a quality of life that encourages people to want to live, visit and do business in Blacksburg.

Prior to the start of the pandemic, over \$100 million of capital projects had been initiated. These projects included a new police station, a 300 space parking garage, a multi-modal transit facility, as well as bicycle and pedestrian improvements, park and streetscape projects, and infrastructure and building maintenance projects. A number of previously submitted CIP projects were delayed last year due to the unknown economic impacts of the pandemic. With a better understanding of the economic impacts and the financial strategies put in place by the Town, delayed CIP projects were reevaluated for inclusion in the Recommended CIP.

The Town's revenue sources this year have shown a slight improvement compared to pre-pandemic levels. It is anticipated revenue will return to pre-pandemic levels in FY 2022/2023. Meanwhile, expenditures are being significantly impacted by inflation as the Consumer Price Index rose 6.2% in October, the largest increase since November 1990. The effect of this combination is not only influencing funding for the CIP, but the operating budget as well. The impact to the operating budget will be most noticeable in increasing salary and health insurance costs. These increases are consistent with what other employers are experiencing as well.

This year we are again mindful of the need to control costs in conjunction with the economic conditions before us. A priority in developing the CIP was to ensure maintenance needs were addressed before new projects were funded and that staff capacity was available to complete projects in a timely manner.

A list highlighting significant projects recommended in the FY 2023-2027 CIP is below:

Significant Projects Funded in the FY 2023-2027 CIP

Downtown Redevelopment Projects:

- Progress Street Parking Garage
- Draper Road Streetscape Improvement
- Downtown Façade Grant Program
- 414 North Main Street Renovations

Parks and Recreation Projects:

- Community Center Renovations
- Glade Road/Meadowbrook Drive Parking Lot
- Meadowbrook Drive Trail (Grant Funded)
- Brush Mountain Trail System
- Huckleberry Trail Extension at South Point
- Industrial Park Trail System
- North Main Street Trail Connection to US 460
- Huckleberry Trail Bridge at Sheffield Drive and Prices Fork Road (Granted Funded)

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
- Purchase of Electric Buses

Utility Projects:

- Hospital Pump Station Upgrade
- Roanoke Street Sewershed Upgrade
- Northview and Lucas Drive Sewershed Upgrade
- Webb Street Drainage Improvement Project
- Penn Street Drainage Improvement Project
- Harding Avenue Stormwater and Pedestrian Project

Enterprise Funds

The Town operates four enterprise funds: Water and Sewer, Solid Waste and Recycling, Stormwater, and Transit. The Enterprise Funds include over \$55 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 COVID-19 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 \$32.5 million for the purchase of electric buses.

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. The evaluation of the Town’s financial capacity to support the recommended projects involves projecting future revenues and expenditures based on what is known today and anticipated in the future.

Revenues are showing slight improvement over pre-pandemic levels. Meals and transient occupancy taxes, which account for approximately 30% of the Town’s General Fund, revenue are sources most impacted by the pandemic. These revenues are expected to return to pre-pandemic levels next year. Real estate assessments are projected to show strong growth when the next assessment takes place in FY 2023, due to the strong housing market as well as the new student housing being built in Blacksburg.

The rate of inflation is concerning as it impacts the Town’s expenditures, especially personnel costs. The results of the compensation study will increase personnel costs as well. Rising costs for goods and services, in addition to supply chain delays, are also impacting expenditures.

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” can be found 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 sources are also used to fully or partially fund capital projects.

Summary

In conclusion, we are pleased to present to you a *Recommended FY 2023-2027 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.

2021

- November 23rd Present CIP to Town Council
- December 7th Town Council Work Session
- December 14th Town Council Schedules Public Hearing on CIP for January 11, 2022
- December 16th Planning Commission Review of the CIP

*Recommended FY 2023-2027 Capital Improvement Program
Transmittal Letter*

2022

January 4th	Town Council Work Session
January 11th	Town Council Public Hearing on Recommended CIP
January 18th	Town Council Work Session, if necessary
January 25th	Town Council Consideration of Resolution Approving CIP

I would like to express my appreciation to each Department and staff for working together to develop and prepare the *Recommended FY 2023-2027 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

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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 2023-2027 Capital Improvement Program

DATE: September 10, 2021

Once again, it is time for the Capital Improvement Program (CIP) process and it should closely follow the same process used prior to last year's anomaly. We have the same PDF project detail form used last year with separate forms for continuing and non-continuing projects. It is 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, status and department names. Please submit all projects, old and new, on this form. A blank template for each department to use is provided. The forms are on the "O drive" and plenty tips, reminders, and instructions on using the forms are provided below. Also, please call with 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 2022/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 10, 2021.

Calendar

September 10th	Status of current CIP projects due.
October 1 st	Deadline for submission of CIP project proposals.
October 6 th -14 th	Meeting with individual departments to discuss CIP projects.
October 26 th	Town Manager Finalizes <i>Recommended CIP</i> .
November 23 rd	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:/CIP2023/CIP Blank Templates 2022-2027. **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 detail project form to the new detail project form. Last year's project detail form is located on the "O drive" at O:/CIP FY2023/FY22 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 Requested*. 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 at O:\CIP FY2023. Please utilize the goals in the drop down menu for these. Reference them in the descriptive narrative of the projects if appropriate.
- The list kept of potential future projects is saved at O:\CIP FY2023. 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/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 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 FY2023-2027 forms for use in preparing CIP projects are available on the "O drive" at O:\CIP FY2023\Forms. There is a PDF form that combines the Estimated Detail Sheet and the Estimated New Annual Operating Expenses. Please use this for projects this year instead of the two Word documents used in the past.

The two forms below need to be submitted.

- **Project Detail Form:** Must be submitted for every project. Includes a total project estimate, description of the project (narrative) and source of funding. **Please use the form on the O Drive**, as this form will be published in the document submitted to Town Council. If submitting a project included in last year's CIP please use the new project detail form with the information located on the "O drive" at O:\CIP FY2023\FY22Adopted Projects and copy and paste as appropriate.
- **Cost Estimate Detail/Estimated New Annual Operating Costs Sheet:** These forms have been combined into a single fillable PDF to ease completion of the form. 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 the PDF form is the Estimated New Annual Operating Costs. Include 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 portion **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 that in the explanation part on the form with a reason. 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 FY2023\Submitted Projects\- Please provide six (6) **unstapled and hole-punched** copies to Terri Self, as well as the copy on the O drive.
- The deadline for submitting proposed projects is **Friday, October 1, 2021**.

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 or Susan Kaiser, Director of Finance.

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 Sheet**.

Project Detail Sheet

The **Project Detail Sheet** 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 Requested*. 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 Requested" 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, 2021/2022-2025/2026, 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.

Town Council Strategic Goals Continued 2020 - 2021

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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	
F. Inflation (1 + 2 x .025) (per year)	
Total Project Estimate	

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 Policy." 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 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 Plan.
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 a Comprehensive Annual 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.
20. 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

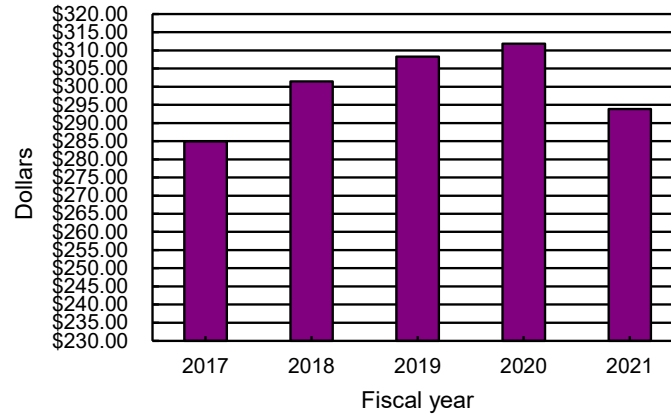
Trend to Watch For:

Decreasing net operating revenues per capita (constant dollars)

Formula:

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

Revenues Per Capita



Fiscal year:	2017	2018	2019	2020	2021
Net operating revenues and transfers	\$30,563,204	\$32,753,712	\$33,947,309	\$34,099,295	\$33,894,271
Consumer price index	238.2	243.8	246.5	247.2	261.7
Net operating revenues & transfers (constant dollars)	\$12,833,217	\$13,434,664	\$13,771,728	\$13,794,213	\$12,951,575
Current population	45,038	44,563	44,678	44,233	44,074
Net operating revenues & transfers per capita (constant dollars)	\$284.94	\$301.48	\$308.24	\$311.85	\$293.86

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 2017 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, 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 2018, the per capita increase is due to the real estate tax rate increase from \$0.25 to \$0.26 for half the year and a full year impact of two new hotels. In FY 2019, the per capita increase is due to a half year impact of the 2019 reassessment 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

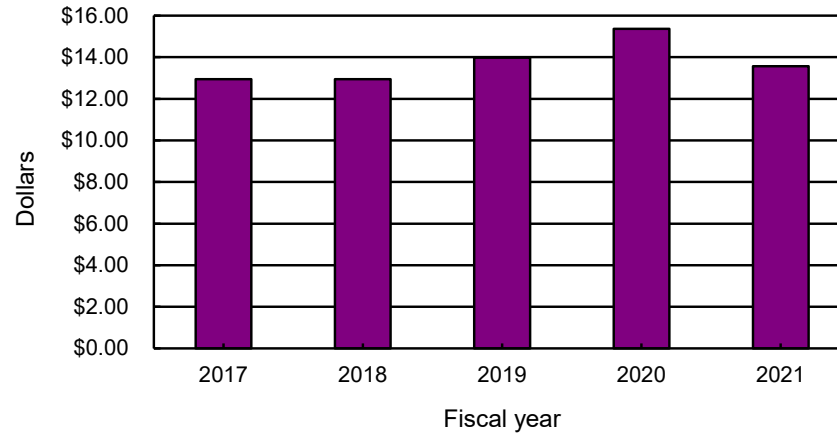
Trend to Watch For:

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:	2017	2018	2019	2020	2021
Net Sales Tax Revenues	\$1,388,282	\$1,405,973	\$1,538,871	\$1,680,496	\$1,565,613
Consumer price index	238.2	243.8	246.5	247.2	261.7
Net Sales Tax Revenues (constant dollars)	\$582,927	\$576,691	\$624,288	\$679,812	\$598,247
Current population	45,038	44,563	44,678	44,233	44,074
Net Sales Tax Revenues per Capita (constant dollars)	\$12.94	\$12.94	\$13.97	\$15.37	\$13.57

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.

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 and 22.71% in FY 2021. In FY 2014 the state changed the definition of school age population. In FY 2022, the school age population is 22.59% and is projected to be 21.73% in FY 2023.

INDICATOR 3

Meals Tax Revenues Per Capita

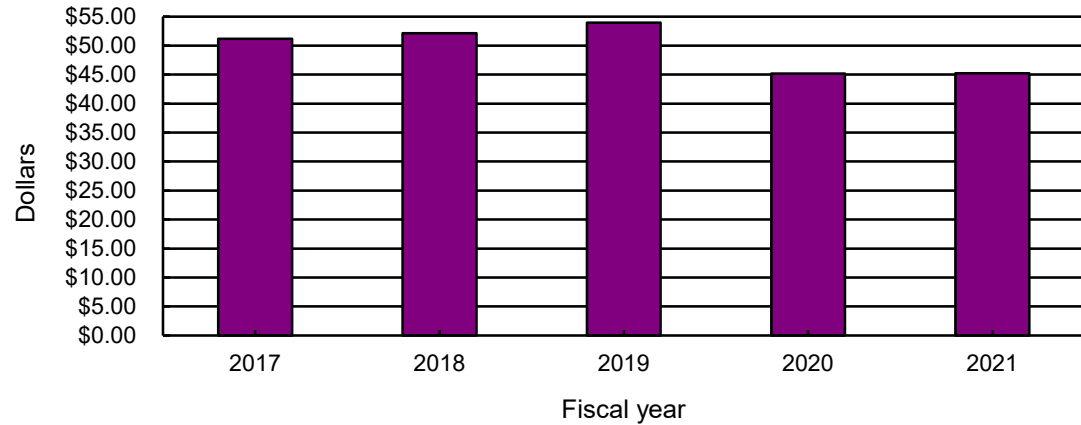
Trend to Watch For:

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:	2017	2018	2019	2020	2021
Meals Tax Revenues	\$5,491,833	\$5,667,284	\$5,940,803	\$4,938,769	\$5,214,616
Consumer price index	238.2	243.8	246.5	247.2	261.7
Meals Tax Revenues (constant dollars)	\$2,305,972	\$2,324,563	\$2,410,062	\$1,997,884	\$1,992,593
Current population	45,038	44,563	44,678	44,233	44,074
Meals Tax Revenues (constant dollars)	\$51.20	\$52.16	\$53.94	\$45.17	\$45.21

Analysis:

The increases in FY 2018 and FY 2019 are 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.

INDICATOR 4

Intergovernmental Revenues

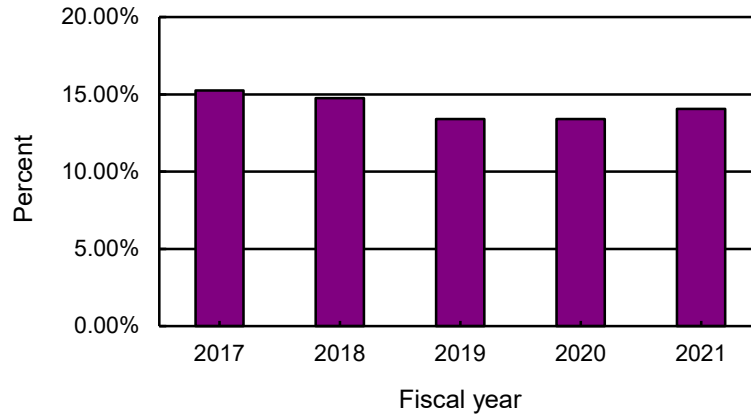
Trend to Watch For:

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

Formula:

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

Intergovernmental Revenues



Fiscal year:	2017	2018	2019	2020	2021
Net Intergovernmental Revenues	\$4,661,068	\$4,833,556	\$4,547,672	\$4,587,086	\$4,763,117
Gross Operating Revenues	\$30,563,204	\$32,753,712	\$33,954,590	\$34,213,950	\$33,894,271
Intergovernmental Revenues as a Percent of Gross Operating Revenues	15.25%	14.76%	13.39%	13.41%	14.05%

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

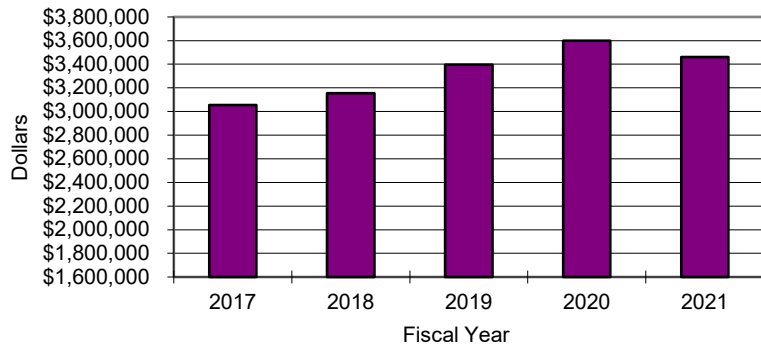
Trend to Watch For:

Decline in property tax revenues (constant dollars)

Formula:

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

Property Tax Revenues



Fiscal year:	2017	2018	2019	2020	2021
Property Tax Revenues	\$7,272,645	\$7,690,970	\$8,373,644	\$8,895,365	\$9,056,741
Consumer Price Index	238.2	243.8	246.5	247.2	261.7
CPI Converted to Decimal	2.382	2.438	2.465	2.472	2.617
Net Property Tax Revenues (constant dollars)	\$3,053,719	\$3,154,623	\$3,397,016	\$3,598,449	\$3,460,734

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 2018 is due to a half year impact of the tax rate increase from \$0.25 to \$0.26. The increase in 2019 is due to a full year impact of the tax rate increase 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.

INDICATOR 6

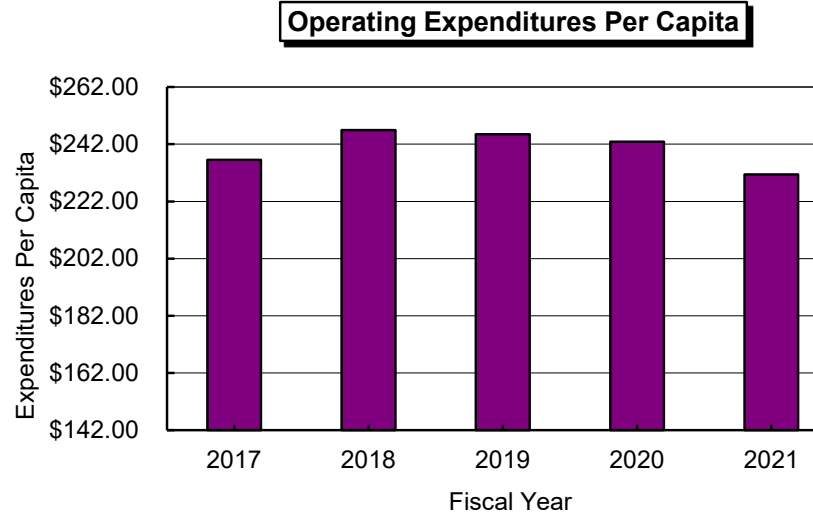
Operating Expenditures Per Capita

Trend to Watch For:

Increasing net operating expenditures per capita (constant dollars)

Formula:

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



Fiscal year:	2017	2018	2019	2020	2021
Net operating expenditures	\$25,374,171	\$26,824,480	\$27,032,101	\$26,556,556	\$26,687,660
Consumer price index	238.2	243.8	246.5	247.2	261.7
Net operating expenditures (constant dollars)	\$10,654,388	\$11,002,658	\$10,966,370	\$10,742,943	\$10,197,807
Estimated population	45,038	44,563	44,678	44,233	44,074
Net operating expenditures per capita (constant dollars)	\$236.56	\$246.90	\$245.45	\$242.87	\$231.38

Analysis:

Per Capita Expenditures per 2020 Comparative Cost Report:
(No Education or Welfare)

Montgomery County	\$476	Blacksburg	\$731
Roanoke County	\$1,055	Christiansburg	\$1,368
Roanoke City	\$1,579	Wytheville	\$1,743
Radford City	\$1,106	Leesburg	\$1,196
		Herndon	\$1,529
		Vinton	\$927
		Pulaski	\$1,048

INDICATOR 7

Employees Per Capita

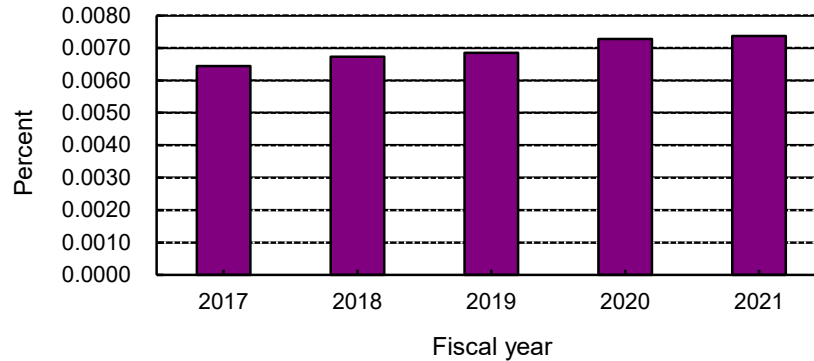
Trend to Watch For:

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:	2017	2018	2019	2020	2021
Number of full-time municipal employees	290	300	306	322	325
Current population	45,038	44,563	44,678	44,233	44,074
Number of full-time municipal employees per capita	0.0064	0.0067	0.0068	0.0073	0.0074

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 2018 is due to the addition of six positions in Transit (including three full-time bus operators), one in the Water and Sewer Fund and three in the General Fund. 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.

INDICATOR 8

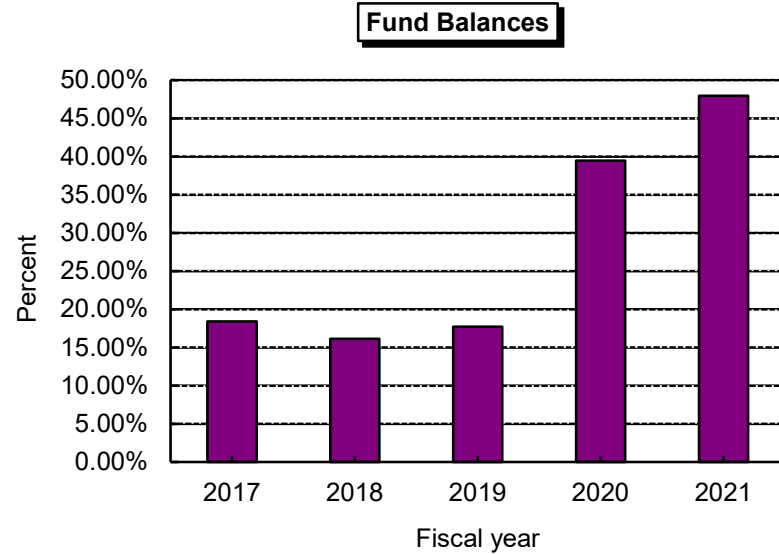
Fund Balances

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:	2017	2018	2019	2020	2021
Unreserved General Fund Balance	\$5,123,082	\$4,758,906	\$5,261,085	\$11,410,069	\$14,140,666
Net Operating Expenditures with debt svc	\$27,830,928	\$29,470,884	\$29,693,984	\$28,926,197	\$29,479,683
Unreserved General Fund Balance as a Percentage of Net Operating Expenditures	18.41%	16.15%	17.72%	39.45%	47.97%

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 increase in FY 2021 is due to the actual results being better than the budgeted and therefore fund balance was not used as budgeted.

INDICATOR 9 Long-term Debt

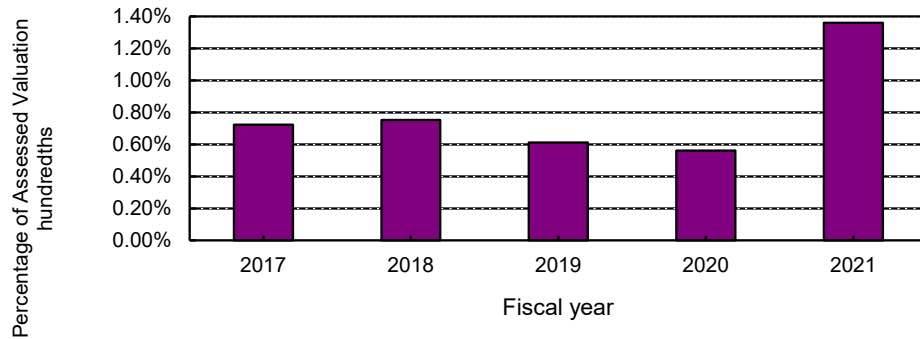
Trend to Watch For:

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:	2017	2018	2019	2020	2021
Assessed Valuation	\$2,945,059,500	\$3,016,013,200	\$3,417,977,000	\$3,423,801,746	\$3,468,769,218
Net Direct Long-term General Fund Debt	\$21,301,049	\$22,728,650	\$20,933,558	\$19,248,304	\$47,154,600
Net Direct Long-term Debt as a Percentage of Assessed Valuation	0.72%	0.75%	0.61%	0.56%	1.36%

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

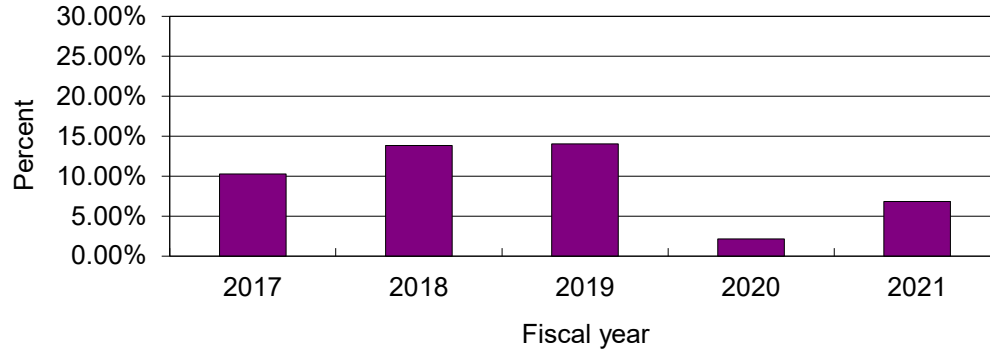
Trend to Watch For:

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

Formula:

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

Capital Outlay



Fiscal year:	2017	2018	2019	2020	2021
Total capital outlay	\$2,605,751	\$3,708,734	\$3,797,305	\$576,795	\$1,828,156
Operating expenditures and transfers	\$25,374,171	\$26,824,480	\$27,032,101	\$26,556,556	\$26,687,660
Capital outlay as a percentage of expenditures	10.27%	13.83%	14.05%	2.17%	6.85%

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 increase in FY 2021 is 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
2018	\$6.47	\$2.94	\$5.72	\$2.96
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

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 2019 thru FY 2022 water rates are due to large increases from the Water Authority due to significant capital improvements.

INDICATOR 12

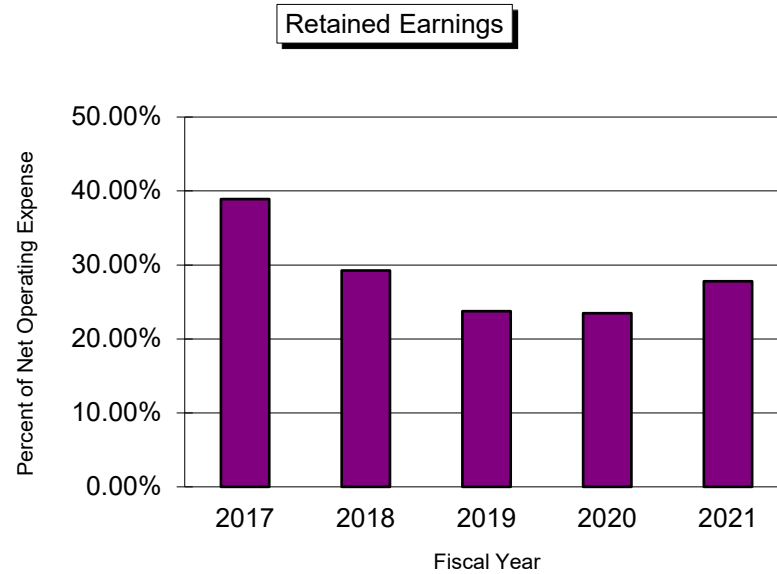
Retained Earnings - Water and Sewer Fund

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:	2017	2018	2019	2020	2021
Unreserved Water & Sewer Fund Retained Earnings	\$3,370,807	\$2,851,584	\$2,540,935	\$2,533,750	\$3,032,235
Net Operating Expenses	\$8,663,533	\$9,749,121	\$10,698,686	\$10,792,968	\$10,908,363
Unreserved Water & Sewer Retained Earnings as a Percentage of Net Operating Expenses	38.91%	29.25%	23.75%	23.48%	27.80%

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

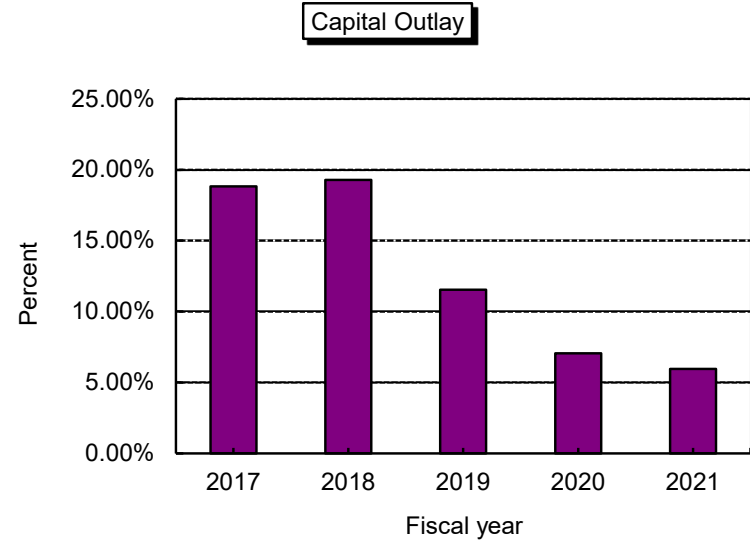
Capital Outlay - Water and Sewer Fund

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:	2017	2018	2019	2020	2021
Total capital outlay	\$1,632,033	\$1,880,088	\$1,233,992	\$762,139	\$649,700
Operating expenses and transfers	\$8,663,533	\$9,749,121	\$10,698,686	\$10,792,968	\$10,908,363
Capital outlay as a percentage of expenses and transfers	18.84%	19.28%	11.53%	7.06%	5.96%

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

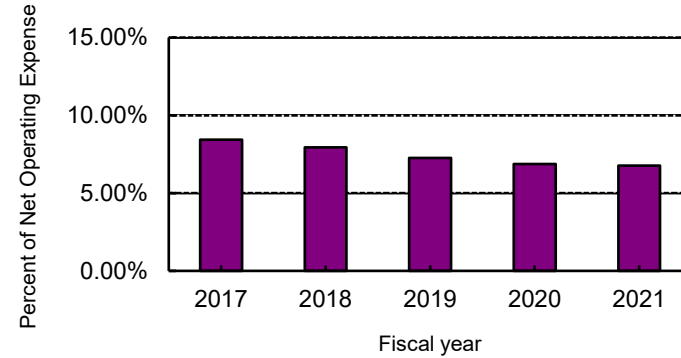
Trend to Watch For:

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:	2017	2018	2019	2020	2021
Debt Service	\$730,662	\$775,031	\$777,081	\$740,575	\$738,990
Net Operating Expenses	\$8,663,533	\$9,749,121	\$10,698,686	\$10,792,968	\$10,908,363
Debt Service as a Percentage of Net Operating Expenses	8.43%	7.95%	7.26%	6.86%	6.77%

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

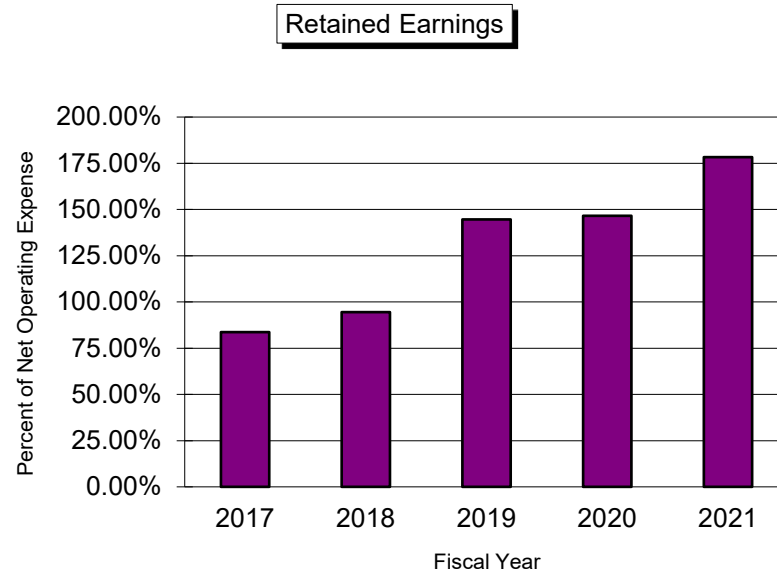
Retained Earnings - Storm Water Fund

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:	2017	2018	2019	2020	2021
Unreserved Storm Water Fund Retained Earnings	\$531,255	\$657,785	\$1,089,071	\$1,048,187	\$1,309,078
Net Operating Expenses	\$634,863	\$696,123	\$753,024	\$715,024	\$734,132
Unreserved Water & Sewer Retained Earnings as a Percentage of Net Operating Expenses	83.68%	94.49%	144.63%	146.59%	178.32%

Analysis:

This fund began January 1, 2015. The fund is building retained earnings to fund future capital projects.

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 ¹	Total Revenue from Property Taxation ¹	
	Amount	Percent Change		Amount	Percent Change			Amount	Percent Change
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 ²	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 ³	\$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%
2016	\$2,862,199,700	2.97%	\$0.25	\$7,092,709	13.05%	\$7,065,299	99.61%	\$7,079,548	12.34%

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
2021	\$4,600,692	3.81%	\$14,738,456	(3.82)%	\$1,481,476	(15.05)%	\$4,097,317 ⁵	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 ⁴	(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 ³	(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 ²	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)%
2016	\$4,358,439	3.27%	\$14,032,947	5.75%	\$1,509,109	19.31%	\$3,893,011 ¹	43.39%	\$23,793,506	(7.17)%

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 ¹		Total Operating Expenditures ²	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2021	\$5,374,705	(1.49)%	\$9,142,968	(3.22)%	\$2,218,765	(6.45)%	\$8,978,313	7.12%	\$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%
2016	\$5,001,823	0.11%	\$8,612,281	0.12%	\$2,178,379	3.47%	\$7,327,795	1.69%	\$23,120,278	0.92%

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

²Does not include expenditures for debt service or capital outlay.

Six-Year Projection of Property Tax Revenue

(TABLE 4)

Fiscal Year	Projected Assessed Value ¹	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
2022	\$3,558,649,000	\$0.26	\$9,252,487	98.5%	\$9,113,700	\$9,263,700
2023	\$3,826,630,000	\$0.26	\$9,949,239	98.5%	\$9,800,000	\$9,950,000
2024	\$4,004,647,000	\$0.26	\$10,412,081	98.5%	\$10,255,900	\$10,405,900
2025	\$4,045,295,000	\$0.26	\$10,517,766	98.5%	\$10,360,000	\$10,510,000
2026	\$4,086,333,000	\$0.26	\$10,624,467	98.5%	\$10,465,100	\$10,615,100
2027	\$4,210,660,000	\$0.26	\$10,947,716	98.5%	\$10,783,500	\$10,933,500

¹Reassessment 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 and annual growth of 1.0% for new construction in FY2025-2027.

Six Year Projection of Total General Fund Revenue

(TABLE 5)

Fiscal Year	Property Tax ¹	Intergovernmental Revenues ²	Other Local Taxes and Licenses ³	Charges for Rental/Current Services ⁴	All Other Revenue ⁵	Total Revenue
2022	\$9,263,700	\$4,972,300	\$14,403,300	\$4,762,000	\$1,601,700	\$35,003,000
2023	\$9,950,000	\$4,850,800	\$19,939,100	\$4,797,000	\$1,690,700	\$41,227,600
2024	\$10,405,900	\$4,899,300	\$20,898,900	\$4,940,900	\$4,163,000	\$45,308,000
2025	\$10,510,000	\$4,948,300	\$21,905,200	\$5,089,100	\$1,747,100	\$44,199,700
2026	\$10,615,100	\$4,997,800	\$22,960,200	\$5,241,700	\$2,227,200	\$46,042,000
2027	\$10,933,500	\$5,047,800	\$24,066,400	\$5,399,000	\$1,111,300	\$46,558,000

¹ Reflects an average annual growth rate of 3.6%.

² Reflects an average annual growth rate of 0.3%.

³ Reflects an average annual growth rate of 15.1%.

⁴ Reflects an average annual growth rate of 2.7%.

⁵ Reflects an average annual growth rate of 2.1%.

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 ¹		Total Amount ³
	Amount	Percent Change ²	Amount	Percent Change ²	Amount	Percent Change	Amount	Percent Change ²	
2022	\$6,151,355	--	\$10,676,357	--	\$2,885,453	--	\$10,184,313	--	\$29,897,478
2023	\$6,837,495	11.15%	\$11,823,295	10.74%	\$3,307,527	14.63%	\$11,231,580	10.28%	\$33,199,897
2024	\$6,924,168	1.27%	\$11,981,222	1.34%	\$3,259,965	(1.44)%	\$11,373,013	1.26%	\$33,538,368
2025	\$7,025,085	1.46%	\$12,165,174	1.54%	\$3,218,645	(1.27)%	\$11,539,922	1.47%	\$33,948,826
2026	\$7,115,365	1.29%	\$12,329,723	1.35%	\$3,250,391	0.99%	\$11,687,358	1.28%	\$34,382,837
2027	\$7,220,817	1.48%	\$12,522,004	1.56%	\$3,287,691	1.15%	\$11,861,962	1.49%	\$34,892,474

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

² Growth factors used for FY 2023 through FY 2027 average approximately 3.2%.

³ Does not include projections for debt service or capital outlay.

Six-Year Projection of General Fund Obligated Debt Service

(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 2022 Bond Sale (2.5m) ¹	FY 2024 Bond Sale (6.1m) ¹	FY 2026 Bond Sale (7.5m) ¹	Total Debt Service
2022	\$300,000	\$526,618	\$236,856	\$866,756	\$217,331	\$408,250	\$971,050	--	--	--	\$3,526,861
2023	--	\$523,725	\$238,056	\$854,181	\$217,131	\$407,000	\$1,164,475	\$240,469	--	--	\$3,645,037
2024	\$300,000	\$134,416	\$234,156	\$861,900	\$216,731	\$710,500	\$1,528,225	\$237,622	--	--	\$4,223,550
2025	--	\$61,208	\$235,256	\$860,837	\$216,131	\$718,500	\$1,588,275	\$231,926	\$273,960	--	\$4,186,093
2026	\$300,000	--	\$236,256	\$856,181	\$215,331	\$715,000	\$1,660,675	\$226,231	\$476,893	--	\$4,686,567
2027	--	--	\$237,156	\$858,231	\$219,331	\$710,500	\$1,660,475	\$220,536	\$472,327	\$339,998	\$4,718,554

General Fund Six-Year Projection of New Capital Financing Potential

(TABLE 8)

Fiscal Year	2022	2023	2024	2025	2026	2027
General Fund Item						
Projected Operating Revenue	\$35,003,000	\$41,227,600	\$45,308,000	\$44,199,700	\$46,042,000	\$46,558,000
New Bond Issue	\$1,407,000	\$1,150,000	\$4,938,000	\$5,455,500	\$2,100,000	\$18,161,000
Use/(Return) of Fund Balance	\$2,445,722	\$2,523,787	\$1,879,761	\$208,820	\$(2,266,293)	\$(2,817,619)
Less Projected Operating Expenditures	\$29,897,478	\$33,199,897	\$33,538,368	\$33,948,826	\$34,382,837	\$34,892,474
Less Projected Reoccurring Capital Expenditures	\$2,770,483	\$2,810,453	\$2,940,453	\$4,110,453	\$2,810,453	\$2,810,453
Less Debt Service	\$3,526,861	\$3,645,037	\$4,223,550	\$4,186,093	\$4,686,567	\$4,718,554
Net Capital Financing Potential	\$2,660,900	\$5,246,000	\$11,423,390	\$7,618,648	\$3,995,850	\$19,479,900
Debt Service as % of Operating Expenditure	10.55%	9.89%	11.18%	10.98%	12.00%	11.91%
Total Debt as a Percentage of Assessed Value	1.34%	1.19%	1.23%	1.15%	1.25%	1.14%

Note: Ten-year principal payout ratio for 2032 is 49.1% on existing debt and 86.2% 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
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 ²	5.79%	\$4,779,067	0.96%	\$732,391	(3.66)%	\$204,551	(1.72)%	\$11,973,736	3.07%
2018	\$5,915,354 ²	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%
2016	\$4,847,894	5.44%	\$4,414,652	1.67%	\$1,055,568 ¹	90.83%	\$237,667	46.58%	\$10,555,781	9.32%

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 ¹		Total Operating Expenditures ²	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
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%
2016	\$693,021	18.99%	\$2,018,406	7.85%	\$554,097	(12.78)%	\$3,061,791	22.97%	\$2,291,648	(1.02)%	\$8,618,963	9.18%

¹Includes Administration, Utility Billing and Pump Station Maintenance.

²Does not include expenditures for debt service or capital outlay.

Six-Year Projection of Water and Sewer Operating Revenues

(TABLE 11)

Fiscal Year Ending	Water Segment				Sewer Segment				Other Miscellaneous Revenue ³	Fund Total
	Service Charges	Fixed Charges	Other ¹	Total Water	Service Charges	Fixed Charges	Other ²	Total Sewer		
2022	\$6,850,000	\$385,000	\$250,900	\$7,485,900	\$5,095,000	\$355,000	\$15,800	\$5,465,800	\$84,400	\$13,036,100
2023	\$7,140,166	\$404,635	\$262,692	\$7,807,493	\$5,958,745	\$373,105	\$16,543	\$6,348,393	\$85,414	\$14,241,300
2024	\$7,442,623	\$415,965	\$269,523	\$8,128,111	\$6,211,157	\$383,552	\$16,973	\$6,611,682	\$86,407	\$14,826,200
2025	\$7,757,893	\$427,612	\$276,530	\$8,462,035	\$6,474,262	\$394,291	\$17,414	\$6,885,967	\$87,398	\$15,435,400
2026	\$8,086,517	\$439,585	\$283,720	\$8,809,822	\$6,551,953	\$405,332	\$17,867	\$6,975,152	\$88,426	\$15,873,400
2027	\$8,429,062	\$451,893	\$291,097	\$9,172,052	\$6,630,576	\$416,681	\$18,332	\$7,065,589	\$65,459	\$16,303,100

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

²Other Revenue includes Connection Charges and Line Extensions.

³Other 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)

Fiscal Year	Payments to Water & Sanitation Authorities¹	Operating Expenditures	Equipment Replacement	Total Operating Expenditures²	Percent Change
2022	\$8,343,438	\$3,942,595	\$300,012	\$12,586,045	--
2023	\$8,443,560	\$4,211,910	\$295,595	\$12,951,065	2.90%
2024	\$8,544,882	\$4,269,957	\$295,595	\$13,110,434	1.23%
2025	\$8,647,420	\$4,332,594	\$295,595	\$13,275,609	1.26%
2026	\$8,751,189	\$4,396,264	\$295,595	\$13,443,048	1.26%
2027	\$8,856,204	\$4,460,985	\$295,595	\$13,612,784	1.26%

¹Based on wholesale water rates of \$3.96 per 1,000 gallons purchased for FY 2022-2027. Based on wholesale sewer rates of \$2.16 per 1,000 gallons purchased for FY 2022-2027 and an annual growth of 1.2%.

²Does not include appropriations for debt service or capital outlay.

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

(TABLE 13)

Fiscal Year	2011C Refunding Bond	2015 Refunding Bond	2017 Bond Sale	2022 Bond Sale	Total Debt Service	Net Revenue Coverage Of Debt Service
2022	\$369,839	\$130,725	\$99,931	--	\$600,495	1.34
2023	\$370,041	\$130,500	\$97,531	--	\$598,072	4.40
2024	\$369,646	\$130,781	\$100,131	\$628,967	\$1,229,525	1.64
2025	\$303,067	\$129,844	\$97,531	\$621,518	\$1,151,960	2.30
2026	--	\$129,750	\$99,931	\$606,622	\$836,303	3.51
2027	--	\$128,700	\$102,131	\$591,725	\$822,556	2.84

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

(TABLE 14)

Water & Sewer Fund Item	2022	2023	2024	2025	2026	2027
Projected Operating Revenue	\$13,036,100	\$14,241,300	\$14,826,200	\$15,435,400	\$15,873,400	\$16,303,100
Availability Fees	\$354,600	\$1,343,270	\$290,800	\$454,675	\$454,675	\$454,675
New Bond Issue	\$6,000,000	\$1,725,000	--	--	--	--
Use/(Return) of Cash Reserves	--	\$677,037	\$(93,759)	\$(328,916)	\$(955,925)	\$(962,703)
Less Projected Operating Expenditures	\$12,586,045	\$12,951,065	\$13,110,434	\$13,275,609	\$13,443,048	\$13,612,784
Less Debt Service	\$600,495	\$598,072	\$1,222,076	\$1,137,064	\$821,406	\$1,107,659
Net Capital Financing Potential	\$6,204,160	\$4,437,470	\$690,731	\$1,148,486	\$1,107,696	\$1,074,629

History of Storm Water Fund Operating Revenue Expenditures for the Last Six Fiscal Years

(TABLE 15)

Fiscal Year Ending	Storm Water Service Charges		Interest & Other Miscellaneous Revenues		Total Revenue		Personnel and Benefits		All Other Operating ¹		Total Operating Expenditures ¹	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
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%
2016	\$1,014,048	93.77%	\$29,646	294.91%	\$1,043,694	96.62%	\$148,599	210.39%	\$472,685	208.39%	\$621,284	208.86%

¹Does not include expenditures for debt service or capital outlay.

Six Years Projection of Storm Water Fund Operating Revenue and Expenditures

(TABLE 16)

Fiscal Year Ending	Storm Water Service Charges		Interest & Other Miscellaneous Revenues		Total Revenue		Personnel and Benefits		All Other Operating ¹		Total Operating Expenditures ¹	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2022	\$1,077,000	--	\$32,500	--	\$1,109,500	--	\$194,568	--	\$698,642	--	\$893,210	--
2023	\$1,090,000	1.21%	\$32,700	0.62%	\$1,122,700	1.19%	\$223,838	15.04%	\$755,604	8.18%	\$979,442	9.65%
2024	\$1,103,000	1.19%	\$112,800	244.95%	\$1,215,800	8.29%	\$227,964	1.84%	\$763,134	1.00%	\$991,098	1.19%
2025	\$1,116,000	1.18%	\$113,000	0.18%	\$1,229,000	1.09%	\$232,612	2.04%	\$770,741	1.00%	\$1,003,353	1.24%
2026	\$1,129,000	1.16%	\$113,200	0.18%	\$1,242,200	1.07%	\$237,356	2.04%	\$778,423	1.00%	\$1,015,779	1.24%
2027	\$1,142,000	1.15%	\$113,300	0.09%	\$1,255,300	1.05%	\$242,196	2.04%	\$786,182	1.00%	\$1,028,378	1.24%

¹Does not include expenditures for debt service or capital outlay.

Storm Water Fund Six-Year Projection of New Capital Financing Potential

(TABLE 17)

Storm Water Fund Item	2022	2023	2024	2025	2026	2027
Projected Operating Revenue	\$1,109,500	\$1,122,700	\$1,215,800	\$1,229,000	\$1,242,200	\$1,255,300
New Bond Issue	--	\$750,000	--	--	--	--
Use/(Return) of Cash Reserves	--	\$331,742	\$122,798	\$147,603	\$13,985	\$(58,203)
Less Projected Operating Expenditures	\$893,210	\$979,442	\$991,098	\$1,003,353	\$1,015,779	\$1,028,378
Less Reoccurring Capital Expenditures	--	--	--	--	--	--
Less Debt Service	--	--	--	\$71,250	\$70,406	\$68,719
Net Capital Financing Potential	\$216,290	\$1,225,000	\$347,500	\$302,000	\$170,000	\$100,000

Capital Improvement Program Summary

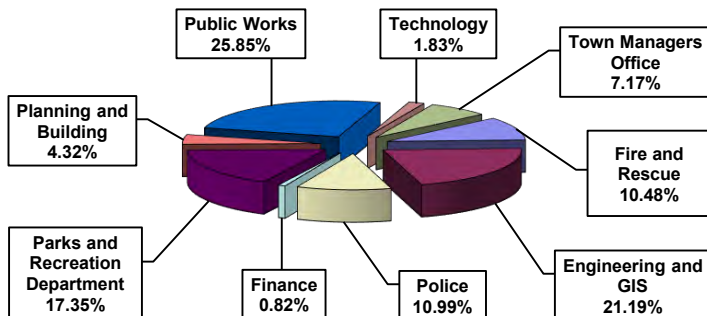
Sources by Fund

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25 - FY27	Total for 5 Yr CIP	Future Funds Required
Capital Project Funds							
General Obligation Bonds	\$ 44,155,606	\$ 4,236,106	\$ 3,625,000	\$ 4,638,000	\$ 29,656,500	\$ 37,919,500	\$ 2,000,000
General Funds	24,507,034	2,109,881	5,808,053	4,766,843	11,822,257	22,397,153	-
State Fire Funds	-	-	-	-	-	-	-
State - VDOT	13,835,006	1,394,506	-	-	4,440,500	4,440,500	8,000,000
Developer Funds	700,000	-	220,000	30,000	450,000	700,000	-
Grant Funds	3,790,000	170,000	-	3,620,000	-	3,620,000	-
Water/Sewer Funds	11,041,987	1,830,000	3,008,065	1,986,326	4,217,596	9,211,987	-
Stormwater Funds	2,369,600	887,600	552,500	350,000	579,500	1,482,000	-
Solid Waste/Recycling Funds	1,150,165	25,000	395,033	145,033	585,099	1,125,165	-
Replacement Funds	12,720,718	211,500	2,836,500	2,371,091	7,301,627	12,509,218	-
Transit Local Funds	8,044,260	-	1,521,460	1,304,440	5,218,360	8,044,260	-
State - DRPT	27,350,484	-	5,172,964	4,435,096	17,742,424	27,350,484	-
Federal - FTA	4,826,556	-	912,876	782,664	3,131,016	4,826,556	-
Total Capital Projects Funds	\$ 154,491,416	\$ 10,864,593	\$ 24,052,451	\$ 24,429,493	\$ 85,144,879	\$ 133,626,823	\$ 10,000,000

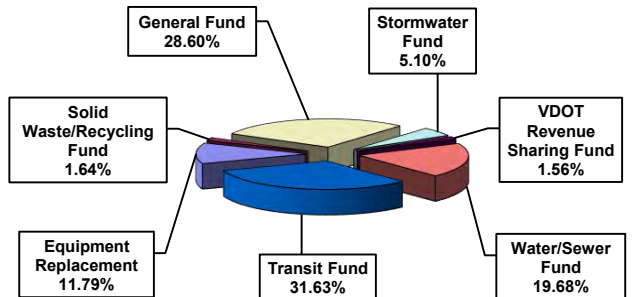
Uses by Capital Improvement Program Category

Category/Uses	Total Project Cost	Funded through 6/30/2021	FY23	FY24	FY25 - FY27	Total for 5 Yr CIP	Future Funds Required
General Government	\$ 20,042,969	\$ 228,000	\$ 493,500	\$ 1,933,771	\$ 17,387,698	\$ 19,814,969	\$ -
Finance	103,500	-	56,500	-	47,000	103,500	-
Fire and Rescue	3,494,915	27,500	720,483	965,483	1,781,449	3,467,415	-
Parks and Recreation	7,255,700	1,637,700	1,193,000	1,835,000	2,590,000	5,618,000	-
Planning and Building	435,719	58,000	297,000	80,719	-	377,719	-
Engineering and GIS	29,630,500	1,066,500	1,532,500	4,083,000	12,948,500	18,564,000	10,000,000
Police	2,831,655	165,500	755,831	571,331	1,338,993	2,666,155	-
Public Works	15,047,876	922,181	2,078,139	3,242,639	8,804,917	14,125,695	-
Technology	1,420,900	275,200	126,100	342,900	676,700	1,145,700	-
Water/Sewer	14,276,987	3,340,000	4,733,065	1,986,326	4,217,596	10,936,987	-
Stormwater	6,070,012	3,119,012	1,227,500	350,000	1,373,500	2,951,000	-
Transit	40,221,300	-	7,607,300	6,522,200	26,091,800	40,221,300	-
Solid Waste/Recycling	1,150,165	25,000	395,033	145,033	585,099	1,125,165	-
Equipment Replacement	12,509,218	-	2,836,500	2,371,091	7,301,627	12,509,218	-
Total Uses	\$ 154,491,416	\$ 10,864,593	\$ 24,052,451	\$ 24,429,493	\$ 85,144,879	\$ 133,626,823	\$ 10,000,000

FY 2023 General Fund Projects

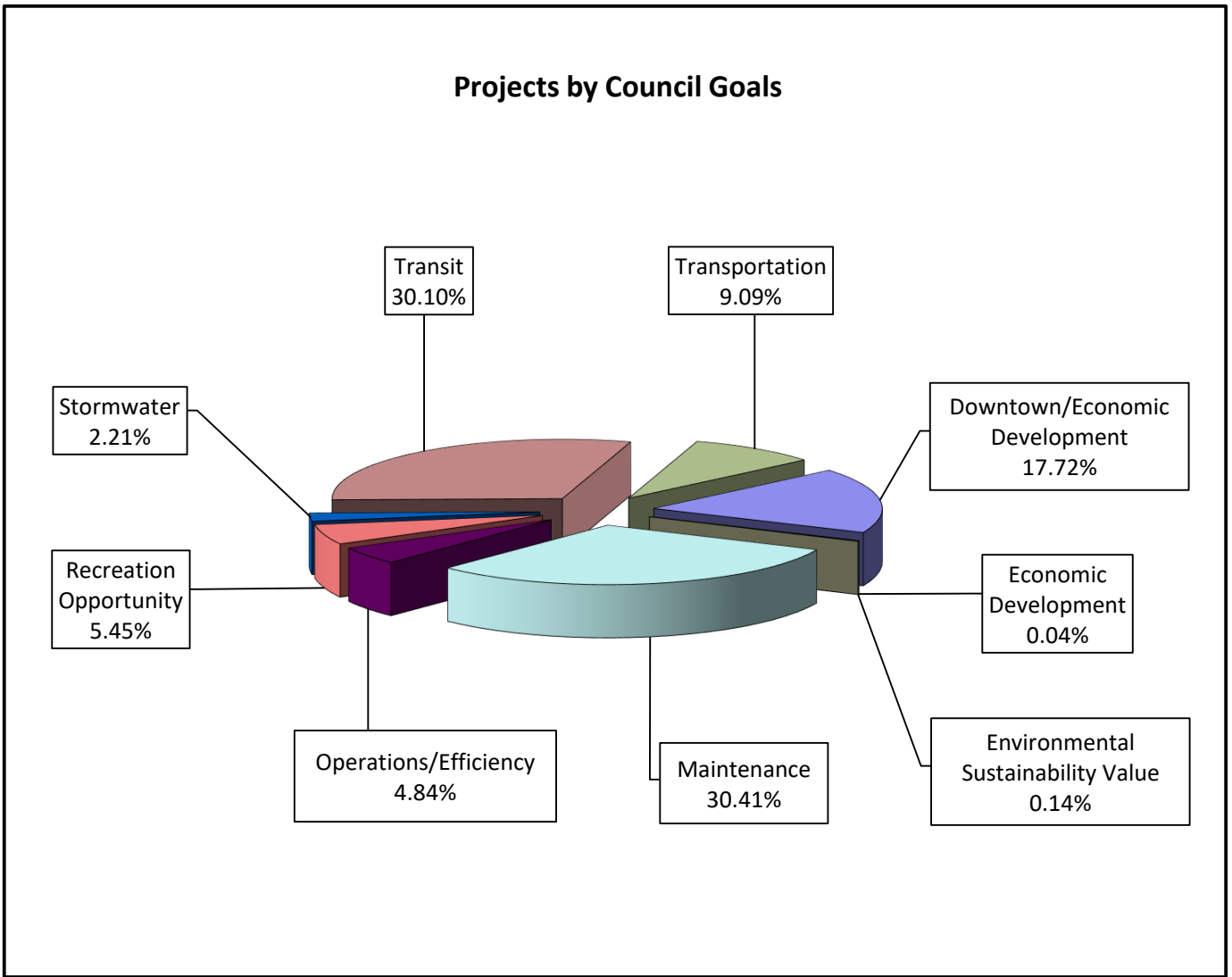


FY 2023 Capital Improvement Program



Capital Improvement Program Summary - Council Goals

Council Goals	FY23	FY24	FY25	FY26	FY27	Total for 5 Yr CIP
Downtown/Economic Development	\$ 755,000	\$ 2,373,000	\$ 3,966,500	\$ 1,540,000	\$ 15,040,000	\$ 23,674,500
Economic Development	47,500					\$ 47,500
Environmental Sustainability Value	15,000	98,771	49,948	30,000	-	\$ 193,719
Maintaince	10,727,051	8,421,403	6,625,898	6,600,977	8,263,306	\$ 40,638,635
Operations/Efficiency	1,728,100	1,297,900	846,700	795,850	1,799,900	\$ 6,468,450
Recreation Opportunity	1,058,000	2,259,000	1,420,000	350,000	2,201,000	\$ 7,288,000
Stormwater	1,227,500	350,000	304,500	466,500	602,500	\$ 2,951,000
Transit	7,607,300	6,522,200	10,479,000	1,838,400	13,774,400	\$ 40,221,300
Transportation	887,000	3,107,219	183,000	955,000	7,011,500	\$ 12,143,719
Total Capital Projects Funds	\$ 24,052,451	\$ 24,429,493	\$ 23,875,546	\$ 12,576,727	\$ 48,692,606	\$ 133,626,823



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 will be 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. 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	\$200,000	\$ 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
Total Sources	Continuing	\$200,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 600,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	Continuing	200,000	120,000	120,000	120,000	120,000	120,000	600,000	Continuing
Total Uses	Continuing	\$200,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 600,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Town Manager

TITLE: 414 North Main Street – Renovation and Remediation Project for Business Incubator and Office Space
STATUS: New
PROJECT DESCRIPTION:

The Town owns 414 North Main Street, which was the former Cooks drycleaner location, and has developed a vision to renovate the property back into an active business use as well as remediate the former dry cleaner contaminants. The vision includes repurposing the building into a retail business incubator, office space, and open conference room/reception space. This vision would be implemented through a partnership with Downtown Blacksburg Inc. as the operator of the incubator and provide a long term space for DBI to operate in downtown. Additional office space could be leased out to other partnering non-profit organizations. The project is focused on supporting small business growth and environmental remediation.

OPERATING IMPACT: Utilities already included 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 200,000	\$	\$ 200,000	\$	\$	\$	\$	\$ 200,000	\$ 0
General Obligation Bonds	1,300,000			1,300,000				1,300,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 1,500,000	\$ 0	\$ 200,000	\$1,300,000	\$ 0	\$ 0	\$ 0	\$ 1,500,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 300,000	\$	\$ 200,000	\$ 100,000	\$	\$	\$	\$ 300,000	\$
Construction	1,200,000			1,200,000				1,200,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 1,500,000	\$ 0	\$ 200,000	\$1,300,000	\$ 0	\$ 0	\$ 0	\$ 1,500,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						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 would 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	\$	\$ 60,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 220,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	\$	\$ 60,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 220,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction	Continuing		60,000	40,000	40,000	40,000	40,000	220,000	Continuing
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	\$	\$ 60,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 220,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 \$360,000 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 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$39,000	\$3,000	\$ 36,000	\$	\$	\$	\$	\$ 36,000	0
General Obligation Bonds	360,000			360,000				360,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$399,000	\$3,000	\$ 36,000	\$ 360,000	\$ 0	\$ 0	\$ 0	\$ 396,000	0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 39,000	\$ 3,000	\$ 36,000	\$	\$	\$	\$	\$ 36,000	\$
Construction	360,000			360,000				360,000	
Equipment								0	
Contractual Services								0	
Total Uses	399,000	3,000	\$ 36,000	\$ 360,000	\$ 0	\$ 0	\$ 0	\$ 396,000	

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	0
General Obligation Bonds	16,650,000				150,000	1,500,000	15,000,000	16,650,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$16,650,000		\$ 0	\$ 0	\$ 150,000	\$1,500,000	\$15,000,000	\$ 16,650,000	0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	\$16,650,000	\$	\$ 0	\$ 0	\$ 150,000	\$1,500,000	\$15,000,000	\$ 16,650,000	

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined.						0

Capital Improvement Program

Town Manager

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. They 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 2025	Summer 2026

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 132,750	\$	\$	\$	\$	\$ 132,750	\$	\$ 132,750	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 132,750	\$ 0	\$ 0	\$ 0	\$ 0	\$ 132,750	\$ 0	\$ 132,750	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 20,000	\$	\$	\$	\$	\$ 20,000	\$	\$ 20,000	\$
Construction	112,750					112,750		112,750	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 132,750	\$ 0	\$ 0	\$ 0	\$ 0	\$ 132,750	\$ 0	\$ 132,750	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

Capital Improvement Program

Town Manager

TITLE: Electric Vehicle Charging 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. Electric vehicles are expected to save an average of about \$6,000 in operational costs compared to a combustion engine over a ten 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 electric vehicle 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 15,000	\$ 20,000	\$ 25,000	\$ 30,000	\$	\$ 90,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 15,000	\$ 20,000	\$ 25,000	\$ 30,000	\$ 0	\$ 90,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	Continuing	Continuing	15,000	20,000	25,000	30,000		90,000	Continuing
Total Uses	Continuing	Continuing	\$ 15,000	\$ 20,000	\$ 25,000	\$ 30,000	\$ 0	\$ 90,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined.						0

Capital Improvement Program

Town Manager

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. 1) Old Town Hall - - Insulation and air sealing in basement, attic, crawlspace and exterior walls; duct air sealing, new windows on main level. 2) Thomas Conner House - - Insulation and air sealing in basement and attic; duct replacement. 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$ 78,771	\$ 24,948	\$	\$	\$ 103,719	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 0	\$ 78,771	\$ 24,948	\$ 0	\$ 0	\$ 103,719	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	Continuing	Continuing		78,771	24,948			103,719	Continuing
Total Uses	Continuing	Continuing	\$ 0	\$ 78,771	\$ 24,948	\$ 0	\$ 0	\$ 103,719	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Minimal.						0

Capital Improvement Program

Town Manager

TITLE: Merrimac Affordable Housing Development

STATUS: New

PROJECT DESCRIPTION:

The development will have approximately 41 single family home and four duplex buildings for a total of 49 units all for homeownership and all constructed by Community Housing Partners (CHP). This project will fund at least six homes to serve low income families at 60% of the area median income (AMI) and the remaining homes will serve households with incomes of 100% to 140% AMI. The project has been funded with \$1.1 million of HOME funds and CHP is currently pursuing additional funding to further subsidize the development and create additional affordable units. Per Town Code water and sewer connection fees for HOME projects are waived. Connection fees were estimated at \$3,545 for water (deposit not included) and \$3,615 for sewer.

OPERATING IMPACT: None.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Fall 2023	Spring 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 47,500	\$	\$ 47,500	\$	\$	\$	\$	\$ 47,500	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 47,500	\$ 0	\$ 47,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 47,500	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 47,500	\$	\$ 47,500	\$	\$	\$	\$	\$ 47,500	\$
Construction								0	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 47,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 47,500	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Town Manager

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Uses	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 FY2022. 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
Continuing	Continuing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 14,500	\$	\$	\$ 30,500	\$ 16,500	\$ 61,500	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 14,500	\$ 0	\$ 0	\$ 30,500	\$ 16,500	\$ 61,500	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	14,500			30,500	16,500	61,500	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 14,500	\$ 0	\$ 0	\$ 30,500	\$ 16,500	\$ 61,500	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operation budget.						0

Capital Improvement Program

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. 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 the operating budget.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Winter 2023	Spring 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 42,000	\$	\$	\$	\$	\$ 42,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 42,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 42,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	42,000					42,000	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 42,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 42,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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
Summer 2022	Spring 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 60,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	60,000					60,000	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 60,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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
Summer 2023	Spring 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 30,000	\$	\$	\$ 30,000	\$	\$	\$	\$ 30,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund VDOT								0	0
Revenue Sharing								0	0
Total Sources	\$ 30,000	\$ 0	\$ 0	\$ 30,000	\$ 0	\$ 0	\$ 0	\$ 30,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	30,000			30,000				30,000	
Contractual Services								0	
Total Uses	\$ 30,000	\$ 0	\$ 0	\$ 30,000	\$ 0	\$ 0	\$ 0	\$ 30,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 Police, Public Works 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	79,000	0	\$	\$ 79,000	\$	\$	\$	\$ 79,000	0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	79,000	0	\$ 0	\$ 79,000	\$ 0	\$ 0	\$ 0	\$ 79,000	0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	79,000			79,000				79,000	
Contractual Services								0	
Total Uses	79,000		\$ 0	\$ 79,000	\$ 0	\$ 0	\$ 0	\$ 79,000	0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Support costs			12,000	12,000	12,000	36,000

Capital Improvement Program

Technology Department

TITLE: Microsoft Office Software Licensing

STATUS: Continuing

PROJECT DESCRIPTION:

This project will fund the acquisition of Microsoft Office software for staff desktop computers. This will purchase licensing for the newer versions of the server software that has been released since the last licensing update in FY2018. This licensing is evaluated every four years.

Future licensing costs may be an annual cost associated with the implementation of Microsoft 365 and moved to the Technology Operating budget.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	256,200	64,200	\$ 0	\$ 48,000	\$ 48,000	\$ 48,000	\$ 48,000	\$ 192,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	256,200	64,200	\$ 0	\$ 48,000	\$ 48,000	\$ 48,000	\$ 48,000	\$ 192,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	256,200	62,400		48,000	48,000	48,000	48,000	192,000	Continuing
Contractual Services								0	
Total Uses	256,200	62,400	\$ 0	\$ 48,000	\$ 48,000	\$ 48,000	\$ 48,000	\$ 192,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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. Cyber security 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 have fail-over 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	40,000		\$ 0	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 40,000	0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	40,000		\$ 0	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 40,000	0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	40,000			40,000				40,000	
Contractual Services								0	
Total Uses	40,000		\$ 0	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 40,000	0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

Capital Improvement Program

Technology Department

TITLE: SAN Upgrade/Replacement

STATUS: Continuing

PROJECT DESCRIPTION:

This project will fund the replacement of the existing SAN storage every five years. SAN storage is the primary location for most of the Town data.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	200,000	\$	\$	\$	\$	\$ 250,000	\$ 250,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 250,000	\$ 250,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	200,000					250,000	250,000	Continuing
Contractual Services								0	
Total Uses	Continuing	200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 250,000	\$ 250,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 270 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 66,100	\$ 66,900	\$ 63,700	\$ 74,600	\$ 79,400	\$ 350,700	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 66,100	\$ 66,900	\$ 63,700	\$ 74,600	\$ 79,400	\$ 350,700	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	66,100	66,900	63,700	74,600	79,400	350,700	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 66,100	\$ 66,900	\$ 63,700	\$ 74,600	\$ 79,400	\$ 350,700	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

Capital Improvement Program

Technology Department

TITLE: Telephone System Replacement

STATUS: Previously Included

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 evaluated 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
Summer 2022	Spring 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 90,000	\$ 11,000	\$	\$ 79,000	\$	\$	\$	\$ 79,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund VDOT								0	0
Revenue Sharing								0	0
Total Sources	\$ 90,000	\$ 11,000	\$ 0	\$ 79,000	\$ 0	\$ 0	\$ 0	\$ 79,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	90,000	11,000		79,000				79,000	
Contractual Services								0	
Total Uses	\$ 90,000	\$ 11,000	\$ 0	\$ 79,000	\$ 0	\$ 0	\$ 0	\$ 79,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

Capital Improvement Program

Technology Department

TITLE: Wireless Controller Replacement

STATUS: Previously Included

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
Spring 2024	Spring 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 65,000	\$	\$	\$	\$ 65,000	\$	\$	\$ 65,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund VDOT								0	0
Revenue Sharing								0	0
Total Sources	\$ 65,000	\$ 0	\$ 0	\$ 0	\$ 65,000	\$ 0	\$ 0	\$ 65,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	65,000				65,000			65,000	
Contractual Services								0	
Total Uses	\$ 65,000	\$ 0	\$ 0	\$ 0	\$ 65,000	\$ 0	\$ 0	\$ 65,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 timeline of events on that day from the voice recording of police radio traffic was 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 and from their perspective and not to 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 and personnel costs for a Data Manager.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 447,000	\$ 165,500	\$ 156,500	\$ 125,000	\$	\$	\$	\$ 281,500	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 447,000	\$ 165,500	\$ 156,500	\$ 125,000	\$ 0	\$ 0	\$ 0	\$ 281,500	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	447,000	165,500	156,500	125,000				281,500	
Contractual Services								0	
Total Uses	\$ 447,000	\$ 165,500	\$ 156,500	\$ 125,000	\$ 0	\$ 0	\$ 0	\$ 281,500	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Warranty and personnel costs	107,500	107,500	107,500	107,500	107,500	537,500

Capital Improvement Program

Police Department

TITLE: Police Communication System Replacement

STATUS: New

PROJECT DESCRIPTION:

The Blacksburg Police Department’s current communications equipment is nearing its life expectancy of ten years. As the equipment has aged, the police department has experienced more frequent communications issues. The technology used for police communications is evolving rapidly and becoming more sophisticated causing the current communications equipment to become antiquated. The police department has been able to purchase 45 portable radios for officers to carry with them and 24 mobile radios for the department’s 12 newest vehicles. To outfit every officer and each police department vehicle with a new radio and have spare radios in case a radio needs repair, the police department will need to purchase 45 portable radios and 51 mobile radios. Along with the portable and mobile radios nearing their life expectancy, the seven radio antennas and seven repeaters utilized by the police department are also nearing their life expectancy and need to be replaced. The total to replace the 45 portable radios (\$33,525), the 51 mobile radios (\$38,760) and radio antennas and seven repeaters (\$80,715) is \$153,000.

OPERATING IMPACT: None.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Summer 2022	Summer 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 153,000	\$	\$ 153,000	\$	\$	\$	\$	\$ 153,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 153,000	\$ 0	\$ 153,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 153,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	153,000		153,000					153,000	
Contractual Services								0	
Total Uses	\$ 153,000	\$ 0	\$ 153,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 153,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already included in the operating budget						0

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/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/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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None						0

Capital Improvement Program

Fire Department

TITLE: Station 2 Bunk Room

STATUS: Previously Included

PROJECT DESCRIPTION:

Built in the 1980's, Fire Station 2 on Prices Fork Road was built with a large single bunk room to accommodate multiple firefighters. As the fire service has changed over the past 30 years, it has become necessary to provide accommodations suitable for male and female firefighters.

OPERATING IMPACT: None.

GOAL ADDRESSED: Ensuring a safe community.

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Summer 2022	Summer 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 177,500	\$ 27,500	\$ 150,000	\$	\$	\$ 0	\$	\$ 150,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 177,500	\$ 27,500	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$ 27,500	\$	\$	\$	\$	\$	\$ 0	\$
Construction	177,500		150,000					150,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 177,500	\$ 27,500	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						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. This 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 70,000	\$	\$	\$	\$	\$ 35,000	\$ 35,000	\$ 70,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 70,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 35,000	\$ 35,000	\$ 70,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	70,000					35,000	35,000	70,000	
Contractual Services								0	
Total Uses	\$ 70,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 35,000	\$ 35,000	\$ 70,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 2023	Spring 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 395,000	\$	\$	\$ 395,000	\$	\$	\$	\$ 395,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 395,000	\$ 0	\$ 0	\$ 395,000	\$ 0	\$ 0	\$ 0	\$ 395,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	395,000			395,000				395,000	
Contractual Services								0	
Total Uses	\$ 395,000	\$ 0	\$ 0	\$ 395,000	\$ 0	\$ 0	\$ 0	\$ 395,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 40,000	\$ 20,000	\$ 40,000	\$ 20,000	\$ 40,000	\$ 160,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 40,000	\$ 20,000	\$ 40,000	\$ 20,000	\$ 40,000	\$ 160,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 100,000	
Construction	Continuing	Continuing	20,000		20,000		20,000	60,000	Continuing
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 40,000	\$ 20,000	\$ 40,000	\$ 20,000	\$ 40,000	\$ 160,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Public Works Department

TITLE: Aquatic Center Skylight Replacement

STATUS: Previously Included

PROJECT DESCRIPTION:

This project funds the replacement of the leaking Aquatic Center skylights over the natatorium.

OPERATING IMPACT: None.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Summer 2023	Summer 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 89,500	\$	\$ 89,500	\$	\$	\$	\$	\$ 89,500	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 89,500	\$ 0	\$ 89,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 89,500	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 8,000	\$	\$ 8,000	\$	\$	\$	\$	\$ 8,000	\$
Construction	81,500		81,500					81,500	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 89,500	\$ 0	\$ 89,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 89,500	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	Continuing	Continuing	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Public Works Department

TITLE: BMC Envelope Renewal & Groundwater Intrusion Mitigation Project

STATUS: Previously Included

PROJECT DESCRIPTION:

This request is for additional capital funding to complete the BMC envelope renewal project and mitigate the groundwater intrusion that occurs in the basement area of the building during intense rain events. There has been previous funding allocated for this project to address the renewing of the exterior envelope; this additional request is to address the groundwater intrusion issues.

OPERATING IMPACT: Decrease costs for regular ServePro and remediation of basement area after significant rain events.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
July, 2022	July, 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	0
General Obligation Bonds	750,181,	515,181	235,000					235,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	750,181	515,181	\$ 235,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 235,000	0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	750,181,	515,181	235,000					235,000	
Equipment								0	
Contractual Services								0	
Total Uses	750,181	515,181	\$ 235,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 235,000	

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Minimal.						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 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 2023	Spring 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	\$ 1,350,000	\$ 148,500	\$ 0	\$ 1,201,500	\$ 0	\$ 0	\$ 0	\$ 1,201,500	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	\$ 1,350,000	\$ 148,500	\$ 0	\$ 1,201,500	\$ 0	\$ 0	\$ 0	\$ 1,201,500	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Utility Costs.			2,000	2,100	2,200	6,300

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 Public Works in FY2023 and for the Community Center in FY2025.

OPERATING IMPACT: Already in operating budget.

GOAL ADDRESSED: Ensuring a safe community.

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Fall 2023	Spring 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 324,000	\$	\$ 124,000	\$	\$ 200,000	\$	\$	\$ 324,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 324,000	\$ 0	\$ 124,000	\$ 0	\$ 200,000	\$ 0	\$ 0	\$ 324,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 35,000	\$	\$ 5,000	\$	\$ 30,000	\$	\$	\$ 35,000	\$
Construction								0	
Equipment	289,000		119,000		170,000			289,000	
Contractual Services								0	
Total Uses	\$ 324,000	\$ 0	\$ 124,000	\$ 0	\$ 200,000	\$ 0	\$ 0	\$ 324,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 several "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.

FY2023/2024: Uniloaders - \$60,000

FY2025/2026: TE-403 Traffic signal repairs call out 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 2022	Spring 2026

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 100,000	\$	\$ 60,000	\$	\$	\$ 40,000	\$	\$ 100,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 100,000	\$ 0	\$ 60,000	\$ 0	\$ 0	\$ 40,000	\$ 0	\$ 100,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	100,000		60,000			40,000		100,000	
Contractual Services								0	
Total Uses	\$ 100,000	\$ 0	\$ 60,000	\$ 0	\$ 0	\$ 40,000	\$ 0	\$ 100,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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: 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	Continuing	Continuing	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000	
Construction	Continuing	Continuing	60,000	60,000	60,000	60,000	60,000	300,000	
Equipment	Continuing	Continuing	30,000	30,000	30,000	30,000	30,000	150,000	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 Town Hall. 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
Winter 2023	Fall 2026

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	\$ 750,000	\$ 0	\$ 0	\$ 90,000	\$ 660,000	\$ 0	\$ 0	\$ 750,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	\$ 750,000	\$ 0	\$ 0	\$ 90,000	\$ 660,000	\$ 0	\$ 0	\$ 750,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 is for the renovation of Old Town Hall for continued Town use. Old Town Hall's historic storefront would be restored and the building would be renovated to comply with current standards. In addition to the historic storefront changes include electrical upgrades, ADA compliant entrances and bathroom, minor interior improvements.

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 2023	Summer 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	\$ 264,000	\$ 0	\$ 0	\$ 33,000	\$ 231,000	\$ 0	\$ 0	\$ 264,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 264,000	\$	\$	\$ 33,000	\$ 231,000	\$	\$	\$ 264,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 264,000	\$ 0	\$ 0	\$ 33,000	\$ 231,000	\$ 0	\$ 0	\$ 264,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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:

FY2023 Funding is reserved for the Public Works Front and Employee Lots.
 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.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 80,000	\$ 210,000	\$ 110,000	\$ 160,000	\$ 120,000	\$ 680,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 80,000	\$ 210,000	\$ 110,000	\$ 160,000	\$ 120,000	\$ 680,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	80,000	210,000	110,000	160,000	120,000	680,000	Continuing
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 80,000	\$ 210,000	\$ 110,000	\$ 160,000	\$ 120,000	\$ 680,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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/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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 0	\$ 60,000	\$ 0	\$ 60,000	\$ 0	\$ 120,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	Continuing	Continuing	\$ 0	\$ 60,000	\$ 0	\$ 60,000	\$ 0	\$ 120,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 (houses 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 Blacksburg’s parks and recreation legacy that give life and vibrancy to our community.

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Fall 2023	Summer 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 328,000	\$ 63,000	\$	\$ 265,000	\$	\$	\$	\$ 265,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 328,000	\$ 63,000	\$ 0	\$ 265,000	\$ 0	\$ 0	\$ 0	\$ 265,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 23,500	\$ 23,500	\$	\$	\$	\$	\$	\$ 0	\$
Construction	304,500	39,500		265,000				265,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 328,000	\$ 63,000	\$ 0	\$ 265,000	\$ 0	\$ 0	\$ 0	\$ 265,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Public Works Department

TITLE: Public Works Administration Building Renovation

STATUS: New

PROJECT DESCRIPTION:

This project provides funding in FY2026 for the completion of the design and construction documentation necessary to support the renovation/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, will provide space for a conference room, and will provide 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
July 2025	Spring 2028

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 115,500	\$ 15,500	\$	\$	\$	\$ 100,000	\$	\$ 100,000	\$ 0
General Obligation Bonds	1,010,000						1,010,000	1,010,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 1,125,500	\$ 15,500	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 1,010,000	\$ 1,110,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 115,500	\$ 15,500	\$	\$	\$	\$ 100,000	\$	\$ 100,000	\$
Construction	1,010,000						1,010,100	1,010,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 1,125,500	\$ 15,500	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 1,010,100	\$ 1,110,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Utilities.					2,600	2,600

Capital Improvement Program

Public Works Department

TITLE: Public Works Lot Master Plan

STATUS: In Progress

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 request also allows the master planning process to incorporate the design and placement for the sewer vacuum truck dewatering 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	\$ 50,000	\$ 0	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 50,000	\$	\$	\$ 50,000	\$	\$	\$	\$ 50,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 50,000	\$ 0	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Public Works Department

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, so prices have been increased to reflect rising 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 200,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	40,000	40,000	40,000	40,000	40,000	200,000	Continuing
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 200,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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, the Recreational Building roof over the gymnasium in FY2025 and Aquatic Center roof in FY2026.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$ 63,500	\$ 115,000	\$ 115,000	\$	\$ 293,500	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 0	\$ 63,500	\$ 115,000	\$ 115,000	\$ 0	\$ 293,500	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$ 20,000	\$	\$	\$	\$ 20,000	
Construction	Continuing	Continuing		43,500	115,000	115,000		273,500	Continuing
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 0	\$ 63,500	\$ 115,000	\$ 115,000	\$ 0	\$ 293,500	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Public Works Department

TITLE: Town Building Masonry

STATUS: Continuing

PROJECT DESCRIPTION:

This project funds the restoration of masonry and brick at Town Buildings. FY2023 funding is reserved for the Thomas Connor House and FY2024 funding is reserved 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 120,000	\$ 60,000	\$ 30,000	\$ 30,000	\$	\$	\$	\$ 60,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 120,000	\$ 60,000	\$ 30,000	\$ 30,000	\$ 0	\$ 0	\$ 0	\$ 60,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 10,000	\$	\$ 10,000	\$	\$	\$	\$	\$ 10,000	\$
Construction	110,000	60,000	20,000	30,000				50,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 120,000	\$ 60,000	\$ 30,000	\$ 30,000	\$ 0	\$ 0	\$ 0	\$ 60,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$	\$	\$ 45,000	\$ 45,000	\$ 45,000	\$ 135,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 0	\$ 0	\$ 45,000	\$ 45,000	\$ 45,000	\$ 135,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing			45,000	45,000	45,000	135,000	Continuing
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 0	\$ 0	\$ 45,000	\$ 45,000	\$ 45,000	\$ 135,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Public Works Department

TITLE: Traffic Signal Video Detection Cameras

STATUS: Previously Included

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 245,000	\$ 120,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 245,000	\$ 120,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	200,000	100,000	20,000	20,000	20,000	20,000	20,000	100,000	
Contractual Services	45,000	20,000	5,000	5,000	5,000	5,000	5,000	25,000	
Total Uses	\$ 245,000	\$ 120,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 160,648	\$ 160,648	\$ 160,648	\$ 160,648	\$ 160,648	\$ 803,240	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 160,648	\$ 160,648	\$ 160,648	\$ 160,648	\$ 160,648	\$ 803,240	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	160,648	160,648	160,648	160,648	160,648	803,240	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 160,648	\$ 160,648	\$ 160,648	\$ 160,648	\$ 160,648	\$ 803,240	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Transfers to Building Systems Depreciation Fund, 2022/23

Aquatic Center	Description	Installation Date	Life	Remaining Life	Replacement Cost	Depreciation	FY Replacement	Depreciation Amortized 2.5% remaining life
	Heat Exchanger - Spa	2005	20	3	\$13,200	\$660	2025	\$ 711
	Heat/cool roof top package unit - Lobby Area	2005	15	-2	\$11,000	\$0	2020	\$ -
	VAV Control for Lobby area unit	2020	20	18	\$25,000	\$1,250	2040	\$ 1,950
	Z pack duct energy recovery system heat w/ duct heater	1998	20	-4	\$60,000	\$0	2018	\$ -
	1 gas fired domestic water heater	2015	20	13	\$20,000	\$1,000	2035	\$ 1,379
	1 gas fired boiler	2021	27	26	\$75,000	\$2,778	2048	\$ 5,279
	Energy Recovery Unit/ heat-air-dem-Pool Area (Dectron)	2003	16	-3	\$330,000	\$0	2019	\$ -
	A - Heat Exchangers - Pool	2015	20	13	\$8,000	\$400	2035	\$ 551
	B - Heat Exchangers - Pool	2018	20	16	\$8,000	\$400	2038	\$ 594
	Spa Pumps - Heat - A	2017	20	15	\$2,772	\$139	2037	\$ 201
	Spa Pumps - Heat - B	2017	20	15	\$2,772	\$139	2037	\$ 201
	Pool Pumps - Heat - A	2019	25	22	\$3,000	\$120	2044	\$ 207
	Pool Pumps - Heat - B	2019	25	22	\$3,000	\$120	2044	\$ 207
	Building Pump - Heat - A	1992	30	0	\$5,740	\$191	2022	\$ -
	Building Pump - Heat - B	1992	30	0	\$5,740	\$191	2022	\$ -
					\$573,224	\$7,388		\$ 11,277
Armory	Description	Installation Date	Life		Replacement Cost	Depreciation	FY Replacement	
	6 A/C units with gas heat	2007	20	5	\$75,000	\$3,750	2027	\$ 4,243
	1 a/c split system w/ gas furnace	2007	20	5	\$4,400	\$220	2027	\$ 249
					\$79,400	\$3,970		\$ 4,492
Bennett House	Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement	
	1 ea forced air electric furnance w/ heat pump	2004	20	2	\$3,000	\$150	2024	\$ 158
	1 ea forced air gas furnance w/ A/C	2004	20	2	\$3,300	\$165	2024	\$ 173
	2 ea a/c split system	2004	20	2	\$8,800	\$440	2024	\$ 462
					\$15,100	\$755		\$ 793
Blacksburg Motor Company	Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement	
	14 Water Source Heat Pumps	2008	20	6	\$56,000	\$2,800	2028	\$ 3,247
	1 Geothermal Loop	2008	30	16	\$90,000	\$3,000	2038	\$ 4,454
	4 Building Sump Pumps	2008	11	-3	\$4,200	\$0	2019	\$ -
	5 Ductless Split A/C Units	2008	15	1	\$12,500	\$833	2023	\$ 854
	1 Subsurface Ventilation System	2011	10	-1	\$5,000	\$0	2021	\$ -
	1 Engine Generator	2008	20	6	\$55,000	\$2,750	2028	\$ 3,189
	1 elevator system	2008	40	26	\$95,000	\$2,375	2048	\$ 4,513
					\$317,700	\$11,758		\$16,257
Cemetery	Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement	
	Gas fired furnance with A/C	2015	20	13	\$8,000	\$400	2035	\$ 551
	A/C Condensor	2015	20	13	\$5,500	\$275	2035	\$ 379
	Gas Fired Unit Heater	2015	15	8	\$4,000	\$267	2030	\$ 325
					\$17,500	\$942		\$ 1,255

Transfers to Building Systems Depreciation Fund, 2022/23

Five Chimneys House								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
1 a/c split system	2016	15	9	\$5,000	\$333	2031	\$	416
1 gas fired furnace	2016	15	9	\$5,000	\$333	2031	\$	416
1 ERV	2016	15	9	\$2,000	\$133	2031	\$	167
				\$12,000	\$800		\$	999
Golf Course Pro Shop								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
Heat Pump with backup electric heat	2017	20	15	\$14,454	\$723	2037	\$	1,047
				\$14,454	\$723		\$	1,047
Golf Course Maintenance Shop								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
Irrigation pump system - Controls	2018	10	6	\$14,100	\$1,410	2028	\$	1,635
Irrigation pump system - Pump	1994	30	2	\$5,000	\$167	2024	\$	175
3 Gas Furnace	2011	20	9	\$9,000	\$450	2031	\$	562
				\$28,100	\$2,027		\$	2,372
Municipal Building								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
1 A/C ductless split system computer room	2012	15	5	\$11,000	\$733	2027	\$	830
1 A/C ductless split system computer room	2012	15	5	\$11,000	\$733	2027	\$	830
roof top package HVAC 1st and 2nd floor	2012	20	10	\$145,000	\$7,250	2032	\$	9,281
VRF A/C system w/ ERV 3rd floor	2012	15	5	\$75,000	\$5,000	2027	\$	5,657
A/C split system Town Hall Conference Room 1st floor	2019	15	12	\$8,000	\$533	2034	\$	717
Roof top package w/ gas heat council chambers	2017	20	15	\$22,000	\$0	2037	\$	-
Roof top A/C unit council chambers	2017	20	15	\$4,000	\$0	2037	\$	-
A/C condenser split system court offices	2001	18	-3	\$7,700	\$0	2019	\$	-
Indoor air handler court offices	1992	27	-3	\$5,000	\$0	2019	\$	-
Indoor duct heater court offices	1992	27	-3	\$9,000	\$0	2019	\$	-
control system court offices	1992	27	-3	\$5,000	\$0	2019	\$	-
Packaged Terminal Heat Pump break room 1st floor	2017	10	5	\$1,500	\$150	2027	\$	170
Domestic water heater 1st floor	2007	15	0	\$12,100	\$807	2022	\$	-
Elevator	2012	30	20	\$98,000	\$3,267	2042	\$	5,353
				\$414,300	\$18,473		\$	22,837
Old Town Hall								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
1 forced air gas furnace	2005	15	-2	\$6,600	\$0	2020	\$	-
1 split a.c system / heat pump	2005	15	-2	\$6,600	\$0	2020	\$	-
				\$13,200	\$0		\$	-
Parks & Rec Administration (Boatwright House)								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
3 forced air furnaces	1998	20	-4	\$9,900	\$0	2018	\$	-
3 split a/c systems	1998	20	-4	\$16,500	\$0	2018	\$	-
				\$26,400	\$0		\$	-
Police Department Building								
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
roof top cooling & heating unit - Chief Area	2003	20	1	\$15,000	\$750	2023	\$	769
roof top cooling & heating unit - Training Room	2003	20	1	\$10,000	\$500	2023	\$	513

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Transfers to Building Systems Depreciation Fund, 2022/23

	1 roof top cooling & heat unit - Jail	1999	20	-3	\$12,000	\$0	2019	\$ -	
	1 pneumatic control system	1982	37	-3	\$16,500	\$0	2019	\$ -	
	1 gas fired boiler	1982	37	-3	\$27,500	\$0	2019	\$ -	
	2 a/c condenser split systems	1998	21	-3	\$8,800	\$0	2019	\$ -	
	1 VAV Controller	1992	27	-3	\$8,800	\$0	2019	\$ -	
	2 custom built air handler w/hot water heat	1982	37	-3	\$12,000	\$0	2019	\$ -	
	a/c system heat w/electric furnace - evidence area	2000	20	-2	\$4,000	\$0	2020	\$ -	
	1 A/C Ductless Split Sys. - record room/IT	2013	20	11	\$7,200	\$360	2033	\$ 472	
	1 A/C Ductless Split Sys. - Fusion Center	2017	20	15	\$10,578	\$529	2037	\$ 766	
					\$132,378	\$2,139		\$ 2,520	
Police Storage Building									
	Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
	1 gas fired furnace	1999	20	-3	\$3,850	\$0	2019	\$ -	
					\$3,850	\$0		\$ -	
Police Communication Building - Clay Street									
	Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
	4 a/c units w/electric heat	1997	22	-3	\$24,000	\$0	2019	\$ -	
					\$24,000	\$0		\$ -	
Police Communication Building - North main Street									
	Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
	2 a/c units w/electric heat	2000	20	-2	\$13,000	\$0	2020	\$ -	
					\$13,000	\$0		\$ -	
Price House									
	Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
	2 a/c split ductless heat pumps	2009	15	2	\$20,000	\$1,333	2024	\$ 1,401	
					\$20,000	\$1,333		\$ 1,401	
Price's Fork Rd. Fire House (FS-2)									
	Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
	2 split a/c systems	2005	15	-2	\$17,600	\$0	2020	\$ -	
	2 forced air furnaces	1991	29	-2	\$8,800	\$0	2020	\$ -	
	2 infrared tube heaters	2020	30	28	\$13,000	\$433	2050	\$ 865	
	2 a/c & heat pump systems (LG)	2014	15	7	\$12,500	\$833	2029	\$ 991	
					\$51,900	\$1,267		\$ 1,856	
Progress St. Fire House (FS-1)									
	Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
	1 pneumatic control system	1986	33	-3	\$16,500	\$0	2019	\$ -	
	1 gas fired boiler - main level and basement	1986	33	-3	\$38,500	\$0	2019	\$ -	
	1 gas fired boiler - Bay area	1986	33	-3	\$35,000	\$0	2019	\$ -	
	3 roof top a/c package units	1991	28	-3	\$33,000	\$0	2019	\$ -	
	2 split a/c systems	1996	23	-3	\$17,600	\$0	2019	\$ -	
	ductless heat pump dual zone unit	2007	20	5	\$5,000	\$250	2027	\$ 283	
	2 hanging air handler - bay area	1983	36	-3	\$10,000	\$0	2019	\$ -	
	Exterior Vertical Lift	2012	15	5	\$15,000	\$1,000	2027	\$ 1,131	
	Water heating System	2018	10	6	\$30,000	\$3,000	2028	\$ 3,479	
					\$200,600	\$4,250		\$ 4,893	
Purchasing Warehouse									
	Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement		
	Horizontal Furnace forced gas	1997	21	-4	\$1,650	\$0	2018	\$ -	

Transfers to Building Systems Depreciation Fund, 2022/23

1 split a/c system	2008	10	-4	\$8,800	\$0	2018	\$ -
Exhaust Fan warehouse area	1997	21	-4	\$880	\$0	2018	\$ -
2 large gas fired hanging heater - carpenter shop	2011	15	4	\$15,000	\$1,000	2026	\$ 1,104
Mechanical Pit leveler	2017	30	25	\$7,560	\$252	2047	\$ 467
Edge of Dock leveler	2015	30	23	\$2,100	\$70	2045	\$ 124
ductless split system - technology	2006	20	4	\$5,000	\$250	2026	\$ 276
small unit gas fired hanging heater - meter room	1999	20	-3	\$4,000	\$0	2019	\$ -
2 large gas fired hanging heater - warehouse	2012	20	10	\$10,000	\$500	2032	\$ 640
A/C ductless split sys. (controlled temperature room)	2016	15	9	\$3,000	\$200	2031	\$ 250
				\$57,990	\$2,272		\$ 2,860
PW Administration Building							
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement	
1 forced air gas fired furnace - training	2004	16	-2	\$4,950	\$0	2020	\$ -
1 split a/c system - training	2004	16	-2	\$3,300	\$0	2020	\$ -
1 forced air gas horizontal furnace admin	1998	21	-3	\$3,300	\$0	2019	\$ -
1 split a/c system - admin	1998	21	-3	\$4,950	\$0	2019	\$ -
1 forced air gas fired furnace - lunchroom	2000	19	-3	\$3,300	\$0	2019	\$ -
1 split a/c system - lunchroom	2000	19	-3	\$4,950	\$0	2019	\$ -
				\$24,750	\$0		\$ -
PW Storage Buildings							
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement	
1 gas fired furnace - sign shop	2011	15	4	\$3,200	\$213	2026	\$ 235
1 gas fired unit heat - green shed	2012	15	5	\$3,200	\$213	2027	\$ 241
1 gas fired unit heat - New PW shed	2012	15	5	\$3,200	\$213	2027	\$ 241
1 gas fire unit heat - landscape shed	2000	19	-3	\$3,200	\$0	2019	\$ -
				\$12,800	\$640		\$ 718
Recreation Center							
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement	
6 hot water air handlers - gym & locker room	1981	38	-3	\$132,000	\$0	2019	\$ -
1 pneumatic temperature control system	1981	38	-3	\$16,500	\$0	2019	\$ -
3 gas fired boiler	2005	30	13	\$33,000	\$1,100	2035	\$ 1,516
1 roof top a/c package unit computer lab & office	2012	20	10	\$8,500	\$425	2032	\$ 544
1 ERV computer & office area	2012	20	10	\$9,000	\$450	2032	\$ 576
2 roof top package unit gas - art room & senior	1998	20	-4	\$20,000	\$0	2018	\$ -
4 LG Split Systems -multipurpose room	2013	20	11	\$21,000	\$1,050	2033	\$ 1,378
1 ERV multipurpose room	2013	20	11	\$13,000	\$650	2033	\$ 853
1 roof top package - program room	2014	20	12	\$13,000	\$650	2034	\$ 874
1 roof top package - social room	2014	20	12	\$8,100	\$405	2034	\$ 545
1 ERV program and social room	2014	20	12	\$9,000	\$450	2034	\$ 605
1 roof top package with dehumidifier weight/exercise room	2009	20	7	\$12,000	\$600	2029	\$ 713
1 ERV in weight/exercise room	2009	20	7	\$4,000	\$200	2029	\$ 238
				\$299,100	\$5,980		\$ 7,842
Thomas Conner House							
Description	Installation Date	Life		Replacement Co:	Depreciation	FY Replacement	
2 a/c split systems w/gas furnace	1994	25	-3	\$22,000	\$0	2019	\$ -
1 gas fired boiler	1994	30	2	\$5,500	\$183	2024	\$ 193

Transfers to Building Systems Depreciation Fund, 2022/23

	2 a/c units window	2018	15	11	\$4,000	\$267	2033	\$ 350
					\$31,500	\$450		\$ 543
PW - Town Garage								
	Description	Installation Date	Life		Replacement Co	Depreciation	FY Replacement	
	4 gas fired tube heaters	2004	20	2	\$9,900	\$495	2024	\$ 520
	2 window a/c unit	2019	10	7	\$1,200	\$120	2029	\$ 143
	5 infrared heating units	1997	22	-3	\$2,750	\$0	2019	\$ -
	2 electric heating units ceiling	2000	20	-2	\$1,200	\$0	2020	\$ -
	Air compressor w dryer	2008	11	-3	\$25,000	\$0	2019	\$ -
	2 post heavy duty lift - 12000	2017	15	10	\$7,530	\$502	2032	\$ 643
	2 post heavy duty lift - 18000	2017	15	10	\$19,301	\$1,287	2032	\$ 1,647
	2 post heavy duty lift - 18000	2020	15	13	\$20,000	\$1,333	2035	\$ 1,838
	Hot water pressure washer	2016	10	4	\$9,000	\$900	2026	\$ 993
	Exhaust evacuation system	2012	20	10	\$50,000	\$2,500	2032	\$ 3,200
	Portable Lift system	2017	15	10	\$74,900	\$4,993	2032	\$ 6,392
					\$220,782	\$12,130		\$ 15,376
Kipps Restroom								
	Description	Installation Date	Life		Replacement Co	Depreciation	FY Replacement	
	1 ERV with Heat	2013	20	11	\$10,500	\$525	2033	\$ 689
	3-ceiling mounted unit heaters	2013	10	1	\$6,000	\$600	2023	\$ 615
					\$16,500	\$1,125		\$1,304
Odd Fellows Hall and Annex								
	Description	Installation Date	Life		Replacement Co	Depreciation	FY Replacement	
	1 Daikin heat pump with 2 indoor fan coils	2009	15	2	\$10,000	\$667	2024	\$ 700
	1 split system heat pump with electric heat	2009	15	2	\$6,000	\$400	2024	\$ 420
					\$16,000	\$1,067		\$1,121
Alexander Black House								
	Description	Installation Date	Life		Replacement Co	Depreciation	FY Replacement	
	2 Heat Pump systems	2014	20	12	\$25,000	\$1,250	2034	\$ 1,681
	1 HVAC Dehumidifier	2014	15	7	\$5,000	\$333	2029	\$ 396
	1 Heat Pump System - 2nd floor unit	2019	20	17	\$39,178	\$1,959	2039	\$ 2,981
	1 - ERV Unit	2019	20	17	\$6,000	\$300	2039	\$ 456
	Elevator	2019	30	27	\$73,000	\$2,433	2049	\$ 4,740
					\$148,178	\$6,276		\$10,254
Fire House III (FS-3)								

Transfers to Building Systems Depreciation Fund, 2022/23

Description	Installation Date	Life	Replacement Co	Depreciation	FY Replacement	
4 Gas Furnaces w/ AC	2009	20	7	\$44,000	\$2,200 2029	\$ 2,615
4 Tube type gas heat	2008	15	1	\$16,000	\$1,067 2023	\$ 1,093
1 VFR system (12 indoor units & 2 outdoor units)	2015	15	8	\$100,000	\$6,667 2030	\$ 8,123
1 ERV unit	2015	15	8	\$30,000	\$2,000 2030	\$ 2,437
1 Elevator	2015	30	23	\$65,000	\$2,167 2045	\$ 3,823
1 Compressor/Dryer	2008	11	-3	\$10,500	\$0 2019	\$ -
				\$265,500	\$14,100	\$18,091
New Rescue						
Description	Installation Date	Life	Replacement Co	Depreciation	FY Replacement	
Air Handler Unit-1/Heat Pump-1 Lobby	2016	20	14	\$7,850	\$393 2036	\$ 555
Air Handler Unit-2/Heat Pump-2 Conf.	2016	20	14	\$7,850	\$393 2036	\$ 555
Air Handler Unit-3/Heat Pump-3 Meeting	2016	20	14	\$7,850	\$393 2036	\$ 555
Air Handler Unit-4/Heat Pump-4 Meeting	2016	20	14	\$7,850	\$393 2036	\$ 555
Air Handler Unit-5/Heat Pump-5 Kitchen	2016	20	14	\$7,850	\$393 2036	\$ 555
Air Handler Unit-6/Heat Pump-6 Lounge	2016	20	14	\$7,850	\$393 2036	\$ 555
Air Handler Unit-7/Heat Pump-7 Quiet Study	2016	20	14	\$7,850	\$393 2036	\$ 555
Air Handler Unit-8/Heat Pump-8 TLTS/Corr	2016	20	14	\$7,850	\$393 2036	\$ 555
Unit Heater-1 Apparatus Bay	2016	20	14	\$3,000	\$150 2036	\$ 212
Unit Heater-2 Apparatus Bay	2016	20	14	\$3,000	\$150 2036	\$ 212
Unit Heater-3 Apparatus Bay	2016	20	14	\$3,000	\$150 2036	\$ 212
Unit Heater-4 Apparatus Bay	2016	20	14	\$3,000	\$150 2036	\$ 212
Unit Heater-5 Apparatus Bay	2016	20	14	\$3,000	\$150 2036	\$ 212
Unit Heater-6 Apparatus Bay	2016	20	14	\$3,000	\$150 2036	\$ 212
Exhaust Fan-1 131-Bio Storage	2016	25	19	\$4,200	\$168 2041	\$ 269
Exhaust Fan-2 132 - O2 Storage	2016	25	19	\$4,200	\$168 2041	\$ 269
Exhaust Fan-3 133 - Storage RM #1	2016	25	19	\$4,200	\$168 2041	\$ 269
Exhaust Fan-4 134 - Med Storage	2016	25	19	\$4,200	\$168 2041	\$ 269
Exhaust Fan-5 135 - Med Restock	2016	25	19	\$4,200	\$168 2041	\$ 269
Exhaust Fan-6 138 - Linen Laundry	2016	25	19	\$4,200	\$168 2041	\$ 269
Exhaust Fan-7 140 - Dirty Laundry	2016	25	19	\$4,200	\$168 2041	\$ 269
Exhaust Fan-8 Apparatus Bay	2016	25	19	\$4,200	\$168 2041	\$ 269
Exhaust Fan-9 Apparatus Bay	2016	25	19	\$4,200	\$168 2041	\$ 269
Exhaust Fan-10 137 - Jan. Closet	2016	25	19	\$4,200	\$168 2041	\$ 269
Outside Air Unit-1/Outside Air Condensor Unit-1	2016	20	14	\$150,000	\$7,500 2036	\$ 10,597
Variable Refrig. Unit-1.1 125 - Bunk	2016	15	9	\$4,200	\$280 2031	\$ 350
Variable Refrig. Unit-1.2 126 - Bunk	2016	15	9	\$4,200	\$280 2031	\$ 350
Variable Refrig. Unit-1.3 127 - Bunk	2016	15	9	\$4,200	\$280 2031	\$ 350
Variable Refrig. Unit-1.4 128 - Bunk	2016	15	9	\$4,200	\$280 2031	\$ 350
Variable Refrig. Unit-1.5 Gen. Off/114-Comm	2016	15	9	\$4,200	\$280 2031	\$ 350
Variable Refrig. Unit-1.6 111 - 2nd Lt.	2016	15	9	\$4,200	\$280 2031	\$ 350
Variable Refrig. Unit-1.7 110 - Chief	2016	15	9	\$4,200	\$280 2031	\$ 350
Variable Refrig. Unit-1.8 107,108,109-Capt.&1st Lt.	2016	15	9	\$4,200	\$280 2031	\$ 350
Variable Refrig. Unit-1.9 106 - Conf	2016	15	9	\$4,200	\$280 2031	\$ 350
Variable Heat Pump-1	2016	15	9	\$4,500	\$300 2031	\$ 375
Variable Refrig. Unit-2.1/Variable Heat Pump-2	2016	15	9	\$4,700	\$313 2031	\$ 391
Variable Refrig. Unit-3.1/Variable Heat Pump-3	2016	15	9	\$4,700	\$313 2031	\$ 391
Kitchen range hood (KRH)	2016	10	4	\$10,000	\$1,000 2026	\$ 1,104
KRH Supply Fan	2016	10	4	\$1,500	\$150 2026	\$ 166

Transfers to Building Systems Depreciation Fund, 2022/23

KRH Exhaust Fan	2016		10	4	\$1,500	\$150	2026	\$	166
Gas Water heating system	2016		20	14	\$20,000	\$1,000	2036	\$	1,413
(4) Mini-Split Heat pump & wall caset units in Bunk Rooms	2021		20	19	\$40,000	\$2,000	2041	\$	3,197
(4) Dehumidification wall units in Bunk Rooms	2021		20	19	\$15,000	\$750	2041	\$	1,199
					\$357,500	\$20,967		\$	30,540
Total Existing Equipment in Program					\$3,407,705	\$120,831			\$160,648

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 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 728,991	\$ 728,991	\$ 728,991	\$ 728,991	\$ 728,991	\$ 3,644,955	\$ Continuing
Police	Continuing	Continuing	431,331	431,331	431,331	431,331	431,331	2,156,655	Continuing
Rescue	Continuing	Continuing	214,083	214,083	214,083	214,083	214,083	1,070,415	Continuing
Fire	Continuing	Continuing	356,400	356,400	356,400	356,400	356,400	1,782,000	Continuing
Water/Sewer Fund	Continuing	Continuing	295,595	295,595	295,595	295,595	295,595	1,477,975	Continuing
Stormwater Fund	Continuing	Continuing	2,500	2,500	2,500	2,500	2,500	12,500	Continuing
Solid Waste Fund	Continuing	Continuing	95,033	95,033	95,033	95,033	95,033	475,165	Continuing
Total Sources	Continuing	Continuing	\$ 2,123,933	\$ 2,123,933	\$ 2,123,933	\$ 2,123,933	\$ 2,123,933	\$ 10,619,665	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	2,123,933	2,123,933	2,123,933	2,123,933	2,123,933	10,619,665	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 2,123,933	\$ 2,123,933	\$ 2,123,933	\$ 2,123,933	\$ 2,123,933	\$ 10,619,665	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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
Fire Fund						
FD-17	Truck-Pick-up, F-550 4WD, w/add ons	2006	17	75,000	4,412	2023
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-21	Truck-Pickup, 1/2 ton 4WD w/add ons	2022	9	65,000	7,222	2031
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
Fund Total:				\$5,680,000	\$356,399	
General Fund						
AS-401	Truck-Pickup, F550 4WD, CC, util bed	2015	8	60,000	7,500	2023
BD-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2015	8	30,000	3,750	2023
BD-402	Truck-Pickup, 1 ton 4WD, util bed	2015	8	55,000	6,875	2023
BD-601	Scissor Lift with Trailer	2013	10	20,000	2,000	2023
CC-401	Truck-Pickup, 1 ton 4WD util bed	2013	10	55,000	5,500	2023
CE-401	Truck-Pickup, 1 ton 4WD	2013	10	42,000	4,200	2023
CH-101	SUV, Economy 4WD	2008	15	25,000	1,667	2023
GC-601	Sand Trap Rake	2015	8	30,000	3,750	2023
HT-405	Truck-F550 Flatbed	2009	14	50,000	3,571	2023
HT-501	Truck- Dump, Water	2013	10	110,000	11,000	2023
HT-702	Loader, Skid Steer	2008	15	45,000	3,000	2023
PK-810	Mowing Tractor, slope w/field attach	2016	7	39,000	5,571	2023
PW-03	Mowers (2)	2014	9	25,000	2,778	2023
PW-05	Mowers (2)	2016	7	25,000	3,571	2023
RC-302	Van, 15-Passenger	2013	10	30,000	3,000	2023
SD-401	Truck-Pickup, 1 ton 4WD util bed	2013	10	55,000	5,500	2023
SW-601	Saw, Walk Behind	2015	8	27,000	3,375	2023
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	25,000	2,500	2024
EO-502	Truck, Service Crane	2014	10	180,000	18,000	2024

Town of Blacksburg

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FY 2023-2027 Adopted

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
General Fund - continued						
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
PI-301	Van, Economy Cargo	2014	10	20,000	2,000	2024
PW-06	Mowers (3)	2017	7	37,500	5,357	2024
ST-101	SUV, Economy 4WD	2014	10	25,000	2,500	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	30,000	3,750	2025
EO-501	Road Tractor	2005	20	100,000	5,000	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	25,000	3,571	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, util bed	2018	8	55,000	6,875	2026
HT-402	Truck-Pickup, 1 ton 4WD, util bed	2018	8	55,000	6,875	2026
HT-404	Truck-Pickup, 1 ton 4WD, util bed	2018	8	55,000	6,875	2026
IN-102	SUV, Economy 4WD	2016	10	25,000	2,500	2026
IN-105	SUV, Economy 4WD	2016	10	25,000	2,500	2026
PK-401	Truck-Pickup, 1 ton 4WD	2018	8	42,000	5,250	2026
PK-403	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2018	8	30,000	3,750	2026
PW-02	Mowers (2)	2019	7	25,000	3,571	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	30,000	3,750	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	30,000	3,750	2027

Town of Blacksburg

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FY 2023-2027 Adopted

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
General Fund - continued						
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	25,000	3,125	2028
IN-101	SUV, Economy 4WD	2018	10	25,000	2,500	2028
IN-104	SUV, Economy 4WD	2018	10	25,000	2,500	2028
MP-104	SUV, Economy 4WD	2018	10	25,000	2,500	2028
RC-101	SUV, Economy 4WD	2018	10	25,000	2,500	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
GC-01	Mowers (2) - Golf Course	2022	7	25,000	3,571	2029
GC-401	Truck-Pickup, 1 ton 4WD w/dump bed	2017	12	45,000	3,750	2029
GC-805	Mower-Tractor, compact	2019	10	30,000	3,000	2029
GC-811	Mower-Greens	2022	7	35,000	5,000	2029
GS-101	Sedan, Economy Electric	2019	10	25,000	2,500	2029
HT-503	Truck, Bucket	2019	10	132,000	13,200	2029
MP-502	Truck-Dump, Tandem, snow pkg	2022	7	195,000	27,857	2029
PW-04	Mowers (2)	2022	7	25,000	3,571	2029
PW-101	Sedan, Economy Electric	2019	10	25,000	2,500	2029
AS-903	Asphalt Patching Equipment	2022	8	80,000	10,000	2030
BD-405	Truck-Pickup, 1 ton 4WD, util bed	2022	8	55,000	6,875	2030
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
MP-401	Truck-Pickup, F550 4WD, dump bed,snow	2022	8	75,000	9,375	2030
PK-402	Truck-Pickup, 1 ton 4WD, snow pkg	2022	8	52,000	6,500	2030
SD-901	Vaxcavator	2018	12	90,000	7,500	2030
SW-401	Truck-Pickup, F550 4WD, util bed	2022	8	65,000	8,125	2030
SW-701	Excavator, Mini with Trailer	2021	10	110,000	11,000	2031
GC-801A	Tractor	2022	10	20,000	2,000	2032
GC-810	Turf Sprayer	2019	13	36,000	2,769	2032
RC-306	Van, 15-Passenger	2022	10	60,000	6,000	2032
AS-609	Asphalt Roller	2021	12	50,000	4,167	2033
HT-801	Bobcat Toolcat	2022	12	70,000	5,833	2034
EO-901	Trailer, Low Boy	2020	18	85,000	4,722	2038
Fund Total:				\$6,465,050	\$728,991	

Town of Blacksburg

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FY 2023-2027 Adopted

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Police Fund						
PD-085	Van - Rapid Deployment w/add ons	2008	15	51,000	3,400	2023
PD-1310	SUV, Standard 4WD, unmarked w/add ons	2013	10	40,000	4,000	2023
PD-1311	SUV, Standard 4WD, unmarked w/add ons	2013	10	40,000	4,000	2023
PD-1312	Sedan-Unmarked	2013	10	35,000	3,500	2023
PD-1313	SUV, Hybrid-Marked w/add ons	2013	10	70,000	7,000	2023
PD-1319	SUV, Hybrid-Marked w/add ons	2013	10	70,000	7,000	2023
PD-1320	Motorcycle-Marked	2014	9	40,000	4,444	2023
PD-1321	Motorcycle-Marked	2014	9	40,000	4,444	2023
PD-1401	SUV, Standard 4WD, unmarked w/add ons	2014	9	40,000	4,444	2023
PD-1402	SUV, Standard 4WD, unmarked w/add ons	2014	9	40,000	4,444	2023
PD-1403	SUV, Full Size-Marked, w/add ons	2014	9	70,000	7,778	2023
PD-1409	SUV, Standard 4WD, unmarked w/add ons	2015	8	40,000	5,000	2023
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
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

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FY 2023-2027 Adopted

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Police Fund - continued						
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
Fund Total:				\$3,551,000	\$431,331	
Rescue Fund						
RS-C53	Tahoe 4WD	2015	8	60,000	7,500	2023
RS-M56	Ambulance-Type II	2015	8	268,000	33,500	2023
RS-R51	Tahoe 4WD	2015	8	60,000	7,500	2023
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
RS-R52	Suburban, 4WD	2019	10	75,000	7,500	2029
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
Fund Total:				\$2,351,000	\$214,083	
Stormwater Utility Fund						
EG-103	SUV, Economy 4WD	2016	10	25,000	2,500	2026
Fund Total:				\$25,000	\$2,500	

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FY 2023-2027 Adopted

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Solid Waste Fund						
WM-802	Sweeper-Sidewalk	2015	8	36,000	4,500	2023
WM-905	Leaf Machine	2009	14	37,000	2,643	2023
WM-906	Leaf Machine	2009	14	37,000	2,643	2023
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
Fund Total:				\$804,000	\$95,033	
Water & Sewer Fund						
PS-401	Truck-Pickup, 1 ton 4WD, util bed	2015	8	55,000	6,875	2023
SE-502	Sewer Truck-Combo Washer/Vax	2013	10	400,000	40,000	2023
SE-703	Loader, Heavy Track	2013	10	300,000	30,000	2023
UT-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2013	10	30,000	3,000	2023
WA-401	Truck-Pickup, F550 4WD, CC, util bed	2015	8	60,000	7,500	2023
WA-706	Excavator, Mini with Trailer	2013	10	76,000	7,600	2023
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	30,000	3,750	2024
SE-405	Truck-Pickup, F550 4WD, util bed	2017	8	55,000	6,875	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
WA-701	Backhoe	2017	12	130,000	10,833	2029
WA-801	Mowing Tractor, Slope	2022	7	45,000	6,429	2029
SE-401	Truck-Pickup, F550 4WD, util bed	2022	8	65,000	8,125	2030
UB-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2022	8	35,000	4,375	2030

Town of Blacksburg

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FY 2023-2027 Adopted

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Water & Sewer Fund - continued						
UT-402	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2022	8	35,000	4,375	2030
SE-701	Backhoe	2020	12	130,000	10,833	2032
WA-703	Loader	2022	15	175,000	11,667	2037
		Fund Total:		\$2,796,500	\$295,595	
		Grand Total:		\$21,672,550	\$2,123,932	

Capital Improvement Program

Parks and Recreation Department

TITLE: Bike Park Enhancements

STATUS: Previously Included

PROJECT DESCRIPTION:

This project is to renovate the old barn at the Bike Park into a gathering space for the users of the park. Re-enforcing the structure, regrading the area around the structure and construction of the floor, supports and walls; this project will also include the construction to finish the last trails in the park.

OPERATING IMPACT: Costs already in operating budget.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Summer 2022	Summer 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 100,000	\$	\$ 100,000	\$	\$	\$	\$	\$ 100,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 100,000	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction	100,000		100,000					100,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 100,000	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						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/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 gives life and vibrancy to our community.

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Summer 2025	Summer 2026

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 1,790,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 1,690,000	\$ 1,790,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 100,000	\$	\$	\$	\$	\$ 100,000	\$	\$ 100,000	\$
Construction	1,690,000						1,690,000	1,690,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 1,790,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 1,690,000	\$ 1,790,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

Capital Improvement Program

Parks and Recreation Department

TITLE: Fitness Equipment

STATUS: New

PROJECT DESCRIPTION:

This project is to replace and install all new fitness equipment in the Fitness Center.

OPERATING IMPACT: None.

GOAL ADDRESSED: Ensure Blacksburg’s parks and recreation legacy that gives 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	\$ 120,000	\$ 0	\$ 0	\$ 0	\$ 120,000	\$ 0	\$ 0	\$ 120,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	120,000				120,000			120,000	
Contractual Services								0	
Total Uses	\$ 120,000	\$ 0	\$ 0	\$ 0	\$ 120,000	\$ 0	\$ 0	\$ 120,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Parks and Recreation Department

TITLE: Glade Road-Meadowbrook Drive Parking Lot

STATUS: Previously Included

PROJECT DESCRIPTION:

This project will construct a parking lot for the users of the Brush Mountain properties. The lot is designed for both trucks and cars as well as horse trailer parking and would also connect the trail that will connect back to Heritage Park. This 40 space parking lot will take the place of the current eight car space lot.

OPERATING IMPACT: None.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Summer 2022	Spring 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 110,000	\$	\$ 110,000	\$	\$	\$	\$	\$ 110,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 110,000	\$ 0	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 110,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 15,000	\$	\$ 15,000	\$	\$	\$	\$	\$ 15,000	\$
Construction	95,000		95,000					95,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 110,000	\$ 0	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 110,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

TITLE: Hand-In-Hand Playground

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 keeping valued parts of the existing amenity such as the custom family donation fence pickets.

This project is to add new features to the renovated Hand-in-Hand to ensure the park is fresh and exciting to ensure families 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 gives 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	\$ 999,200	\$ 899,200	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 100,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	\$ 999,200	\$ 899,200	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 100,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

Capital Improvement Program

Parks and Recreation Department

TITLE: Master Plan for Old High School Site

STATUS: New

PROJECT DESCRIPTION:

This project is to master plan the twenty-seven (27) acres that currently house the old athletic fields at 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 this site compliments the Municipal Park amenities.

OPERATING IMPACT: None.

GOAL ADDRESSED: Ensure Blacksburg’s parks and recreation legacy that gives 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 50,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	50,000				50,000			50,000	
Total Uses	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 50,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

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 encompass 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 would anticipate that the construction 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 gives life and vibrancy to our community.

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Fall 2022	Spring 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	296,500	46,500	\$ 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
Grants								0	0
Total Sources	296,500	46,500	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	46,500	46,500	\$	\$	\$	\$	\$	\$ 0	
Construction	250,000		50,000	50,000	50,000	50,000	50,000	250,000	
Equipment								0	Continuing
Contractual Services								0	
Total Uses	296,500	46,500	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined after construction.						0

Capital Improvement Program

Parks and Recreation Department

TITLE: Meadowbrook Drive Trail

STATUS: Previously Included

PROJECT DESCRIPTION:

This project will fund the design and construction of a trail adjacent to Meadowbrook Drive that will connect Heritage Park Trail/Parking area along Meadowbrook Drive to the proposed trail system to be constructed on two properties currently owned by the New River Land Trust. The plans for the New River Land Trust properties include the construction of mountain biking, hiking, and horse trails that will connect to the National Forest trail system. These properties will eventually be donated to the Town. The necessary greenway easements have been obtained from the private property owners.

This trail will be constructed adjacent to Meadowbrook Drive and consist of a ten foot wide asphalt path and boardwalk. The construction will begin at the Heritage Park Trail and extend to the intersection of Meadowbrook Drive and Glade Road. There are known wetlands along this location and in order to cross these areas in an environmentally-sensitive manner, a boardwalk construction is proposed.

If grants are unavailable, the projects may be deferred.

OPERATING IMPACT: Public works will have additional maintenance costs.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Spring 2022	Fall 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Grants	1,920,000	170,000		1,750,000				1,750,000	0
Total Sources	\$ 1,920,000	\$ 170,000	\$ 0	\$ 1,750,000	\$ 0	\$ 0	\$ 0	\$ 1,750,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 170,000	\$ 170,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	1,750,000			1,750,000				1,750,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 1,920,000	\$ 170,000	\$ 0	\$ 1,750,000	\$ 0	\$ 0	\$ 0	\$ 1,750,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined after construction.						0

Capital Improvement Program

Parks and Recreation Department

TITLE: Municipal Park Tennis Court and Pickle Ball Court Resurfacing

STATUS: Previously Included

PROJECT DESCRIPTION:

This project is to install new surfacing and lines to our tennis & pickle ball courts. The courts are starting to crack and fade. The new surfacing will have better grip and better ball bounce and provide a safe environment while meeting USTA standards.

OPERATING IMPACT: None

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Summer 2022	Spring 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	100,000		\$ 100,000	\$	\$	\$	\$	\$ 100,000	
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	100,000		\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000	

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	100,000		100,000					100,000	
Equipment								0	
Contractual Services								0	
Total Uses	100,000		\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000	

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Parks and Recreation Department

TITLE: Park at South Point Parking Lot

STATUS: New

PROJECT DESCRIPTION:

This project is to complete the parking lot for the Park at South Point. This parking area will allow 150 cars to park off the street and complete the first phase of the park.

OPERATING IMPACT: Maintenance cost such as cleaning.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Summer 2022	Summer 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 420,000	\$	\$ 420,000	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								420,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 420,000	\$ 0	\$ 420,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 420,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 420,000	\$	\$ 420,000	\$	\$	\$	\$	\$ 0	\$
Construction								420,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 420,000	\$ 0	\$ 420,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 420,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Maintenance.		2,500	2,500	2,500	2,500	10,000

Capital Improvement Program

Parks and Recreation Department

TITLE: Park Restrooms

STATUS: In Progress

PROJECT DESCRIPTION:

This project continues the restroom replacement program for the older three-season facilities in our park system. The new restrooms are year round facilities with heat to allow them to stay open in the winter season. This expands the useful time our parks are open and inviting to users with full facilities

Upcoming restrooms include:

FY2025 Tom's Creek Restroom

OPERATING IMPACT: Utility costs for new restrooms.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
FY2025	FY2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	Continuing
General Obligation Bonds	700,000	450,000			250,000			250,000	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	700,000	450,000	\$ 0	\$ 0	\$ 250,000	\$ 0	\$ 0	\$ 250,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	700,000	450,000			250,000			250,000	
Equipment								0	Continuing
Contractual Services								0	
Total Uses	700,000	450,000	\$ 0	\$ 0	\$ 250,000	\$ 0	\$ 0	\$ 250,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Utilities.				2,100	2,200	4,300

Capital Improvement Program

Parks and Recreation Department

TITLE: Picnic Shelter Replacement/Expansion

STATUS: In Progress

PROJECT DESCRIPTION:

This on-going project to replace picnic shelters that have reached their useful life with new facilities that are more attractive. The shelters have been standardized to provide a consistent look as well as the ease of maintenance and repair. Additionally, funding is included to add new structures to parks that do not have this amenity. These amenities are a valuable asset and are rented which provides additional revenue and cost recovery to our recreation system. The Tom's Creek Park shelter will be replaced in FY2025.

OPERATING IMPACT: None.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Spring 2017	Spring 2026

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	97,000	72,000	\$	\$	\$ 25,000	\$	\$	\$ 25,000	0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	97,000	72,000	\$ 0	\$ 0	\$ 25,000	\$ 0	\$ 0	\$ 25,000	0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	0
Construction	97,000	72,000			25,000			25,000	0
Equipment								0	0
Contractual Services								0	0
Total Uses	97,000	72,000	\$ 0	\$ 0	\$ 25,000	\$ 0	\$ 0	\$ 25,000	0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Parks and Recreation Department

TITLE: Recreational Program Bus

STATUS: New

PROJECT DESCRIPTION:

This project is to purchase a new body on chassis bus to add to our fleet. This additional bus will enable us to expand our summer camp offerings and increase participation for active adult tours. The increase in revenues would justify the cost.

OPERATING IMPACT: Fleet maintenance costs.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Spring 2023	Spring 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 90,000	\$	\$ 90,000	\$	\$	\$	\$	\$ 90,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 90,000	\$ 0	\$ 90,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 90,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	90,000		90,000					90,000	
Contractual Services								0	
Total Uses	\$ 90,000	\$ 0	\$ 90,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 90,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Fleet costs.	3,000	3,000	3,000	3,000	3,000	15,000

Capital Improvement Program

Parks and Recreation Department

TITLE: Skate Park Renovations

STATUS: New

PROJECT DESCRIPTION:

This project is to upgrade and renovate the skate park which was built in 2007. As time passes, the sport of skateboarding has developed and the user group has requested different features to be added and extra space to be created.

OPERATING IMPACT: None.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
FY2023	FY2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 60,000	\$	\$ 60,000	\$	\$	\$	\$	\$ 60,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 60,000	\$ 0	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 60,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction	60,000		60,000					60,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 60,000	\$ 0	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 60,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Parks and Recreation Department

TITLE: Softball Fields Light Replacement

STATUS: New

PROJECT DESCRIPTION:

This project is to replace the existing softball field lights at both the Municipal and Tom's Creek parks. The lights have been deteriorating and have become increasingly difficult to obtain replacement parts.

OPERATING IMPACT: None.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Summer 2022	Summer 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 228,000	\$	\$ 228,000	\$	\$	\$	\$	\$ 228,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 228,000	\$ 0	\$ 228,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 228,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	228,000		228,000					228,000	
Contractual Services								0	
Total Uses	\$ 228,000	\$ 0	\$ 228,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 228,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Parks and Recreation Department

TITLE: Transfer to Playground Depreciation

STATUS: Continuing

PROJECT DESCRIPTION:

This fund establishes a replacement account to depreciate the playground equipment over a 20-year period. This allows for the Town to replace equipment when needed and maintain safety standards in accordance with national standards.

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

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 175,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 175,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction								0	
Equipment	Continuing	Continuing	35,000	35,000	35,000	35,000	35,000	175,000	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 175,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						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 be included also. 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 the downtown. This project will be submitted for a VDOT Grant Program for the construction funding.

A conceptual design for the Draper Road Streetscape Improvements 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 which will assist in developing potential funding scenarios.

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 2022	Summer 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 370,000	\$ 370,000	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds	5,040,500		495,000	1,000,000	3,545,500			5,040,500	0
Water/Sewer Fund Storm								0	0
Water Fund								0	0
Grant Funds								0	0
Total Sources	\$ 5,410,500	\$ 370,000	\$ 495,000	\$ 1,000,000	\$ 3,545,500	\$ 0	\$ 0	\$ 5,040,500	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 865,000	\$ 370,000	\$ 495,000	\$	\$	\$	\$	\$ 495,000	\$
Construction	4,545,500			1,000,000	3,545,500			4,545,500	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 5,410,500	\$ 370,000	\$ 495,000	\$ 1,000,000	\$ 3,545,500	\$ 0	\$ 0	\$ 5,040,500	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined at construction.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Electronic Plan Review Equipment

STATUS: Previously Included

PROJECT DESCRIPTION:

The Engineering, GIS and Planning and Building Departments are moving towards performing electronic plan review for site plan and subdivision plans submitted by private developers. Having the capability to perform electronic plan review will aid the departments in providing improved customer service by enabling more efficient plan review. Large screen computer monitors are required in order to begin the process of performing electronic plan reviews. These monitors, in conjunction with the appropriate software packages, will allow the engineers to review drawings at full scale and mark-up drawing revisions to provide to the customer along with the comment letters.

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 2024	Fall 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 70,000	\$ 0	\$ 70,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 70,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	70,000		70,000					70,000	
Contractual Services								0	
Total Uses	\$ 70,000	\$ 0	\$ 70,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 70,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

TITLE: Glade Road Pipe Arch Repairs

STATUS: Previously Included

PROJECT DESCRIPTION:

Per Federal Highway Administration and VDOT regulations, the Town is required to inspect bridge and culvert structures that meet span requirements of twenty feet or longer. These structures are inspected every two years. Glade Road Pipe Arch is a corrugated metal steel plate structure and is located near the intersection of Glade Road and Meadowbrook Drive. This structure carries Toms Creek underneath Glade Road and was last inspected in June 2021. The inspection report lists several areas where the corrugated steel plates are experiencing extensive corrosion. The report recommends that repairs should be made to these areas. The structure was installed forty-three years ago in 1977 and the service life is expected to be 50 years. Therefore, the Town anticipates having to replace this structure in six years. In the locations where the steel is corroded, approximately 0% to 10% of the steel thickness remains and repairs are required prior to the end of its service life. These interim repairs are the more economical manner to address the corrosion issues until such time as the service life is met. This project will fund hiring the appropriate firm to develop a scope of work and contract to have the repairs completed.

OPERATING IMPACT: Structure requires inspection every two years and routine maintenance.

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	Fall 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 50,000	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 10,000	\$	\$ 10,000	\$	\$	\$	\$	\$ 10,000	\$
Construction	40,000		40,000					40,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 50,000	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Huckleberry Trail Extension at South Point

STATUS: Previously Included

PROJECT DESCRIPTION:

This project will extend the asphalt Huckleberry Trail from the existing park and trail at South Point Drive to connect to the Huckleberry Trail crossing at High Top Road. This segment will connect a significant recreation amenity of the Town to the Huckleberry Trail. This project will be submitted for funding for a VDOT Grant Program. If grant funding is received, the General Obligation amount will be reduced.

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

OPERATING IMPACT: Public Works will have additional maintenance requirement.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 110,000	\$	\$	\$ 110,000	\$	\$	\$	\$ 110,000	\$ 0
General Obligation Bonds	850,000				850,000			850,000	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 960,000	\$ 0	\$ 0	\$ 110,000	\$ 850,000	\$ 0	\$ 0	\$ 960,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 110,000	\$	\$	\$ 110,000	\$	\$	\$	\$ 110,000	\$
Construction	850,000				850,000			850,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 960,000	\$ 0	\$ 0	\$ 110,000	\$ 850,000	\$ 0	\$ 0	\$ 960,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined after construction.						0

TITLE: Industrial Park Trail & 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 networks. Currently there are several sections of sidewalk in place, but with very little connectivity. An estimated 7250 linear feet of new facility 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 84,000	\$	\$	\$ 84,000	\$	\$	\$	\$ 84,000	\$ 0
General Obligation Bonds	661,000					200,000	461,000	661,000	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 745,000	\$ 0	\$ 0	\$ 84,000	\$ 0	\$ 200,000	\$ 461,000	\$ 745,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 84,000	\$	\$	\$ 84,000	\$	\$	\$	\$ 84,000	\$
Construction	661,000					200,000	461,000	661,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 745,000	\$ 0	\$ 0	\$ 84,000	\$ 0	\$ 200,000	\$ 461,000	\$ 745,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 2022	Fall 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 150,000	\$ 80,000	\$	\$ 35,000	\$ 35,000	\$	\$	\$ 70,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 150,000	\$ 80,000	\$ 0	\$ 35,000	\$ 35,000	\$ 0	\$ 0	\$ 70,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 80,000	\$ 80,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	70,000	0		35,000	35,000			70,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 150,000	\$ 80,000	\$ 0	\$ 35,000	\$ 35,000	\$ 0	\$ 0	\$ 70,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: North Main Street Trail - Final Phase to U.S. 460/Bishop Road

STATUS: New

PROJECT DESCRIPTION:

This project will extend the asphalt trail adjacent to North Main Street from just past Vinyard Avenue to the U.S. 460/Bishop Road section. This is the last remaining segment of North Main Street trail and would provide for pedestrian and bicycle connectivity from residences and a school in the area to bus stops, Downtown, Municipal Park and other destinations.

OPERATING IMPACT: Public Works will have additional maintenance requirement.

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	Winter 2026

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds	776,500			776,500				776,500	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 776,500	\$ 0	\$ 0	\$ 776,500	\$ 0	\$ 0	\$ 0	\$ 776,500	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 110,000	\$	\$	\$ 110,000	\$	\$	\$	\$ 110,000	\$
Construction	666,500			666,500				666,500	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 776,500	\$ 0	\$ 0	\$ 776,500	\$ 0	\$ 0	\$ 0	\$ 776,500	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined at construction.						0

TITLE: Prices Fork Road/Route 460 By-pass Interchange Study

STATUS: Previously Included

PROJECT DESCRIPTION:

This project will fund the engineering and traffic study to develop a conceptual plan for the re-design of the Prices Fork Road Interchange to better accommodate vehicular, bicycle and pedestrian traffic. The Prices Fork Road Mobility and Safety Study identified this interchange as an area of safety concern for bicyclists and pedestrians who use this corridor to travel to and from Virginia Tech and the commercial area along University City Boulevard. This Interchange extends over US Route 460 Bypass and includes four entrance/exit ramps. The safety study recommended further review of this area to develop plans to safely accommodate bicycle and pedestrian travel across the existing bridges and ramps. This study will include obtaining vehicular, bicycle and pedestrian counts, conceptual layout and design of a new interchange configuration, general location of a separate bridge for bicycle and pedestrian use and construction estimates. The Town can then use this information to apply for additional funding under Smart Scale or other appropriate funding sources for final design and construction. Programming for final design costs and construction costs will be included in future Capital Improvement Program projects upon completion of this study.

OPERATING IMPACT: To be determined after design.

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 2029

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 10,300,000	\$	\$	\$	\$	\$ 300,000	\$	\$ 300,000	\$ 0
General Obligation Bonds								0	2,000,000
Water/Sewer Fund Storm								0	0
Water Fund								0	0
Grant Funds								0	8,000,000
Total Sources	\$ 10,300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 300,000	\$ 0	\$ 300,000	\$ 10,000,000

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 10,300,000	\$	\$	\$	\$	\$ 300,000	\$	\$ 300,000	\$
Construction								0	10,000,000
Equipment								0	
Contractual Services								0	
Total Uses	\$ 10,300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 300,000	\$ 0	\$ 300,000	\$ 10,000,000

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

TITLE: Prices Fork Road/Toms Creek Road to North Main Street Pedestrian Improvements

STATUS: Previously Included

PROJECT DESCRIPTION:

This project is intended to construct modifications that enhance pedestrian/bicycle safety along the Prices Fork Road corridor between Toms Creek Road 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/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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 370,000	\$ 150,000	\$ 220,000	\$	\$	\$	\$	\$ 220,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund Storm								0	0
Water Fund								0	0
Grant Funds	1,900,000			1,900,000				1,900,000	0
Total Sources	\$ 2,270,000	\$ 150,000	\$ 220,000	\$ 1,900,000	\$ 0	\$ 0	\$ 0	\$ 2,120,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 370,000	\$ 150,000	\$ 220,000	\$	\$	\$	\$	\$ 220,000	\$
Construction	1,900,000			1,900,000				1,900,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 2,270,000	\$ 150,000	\$ 220,000	\$ 1,900,000	\$ 0	\$ 0	\$ 0	\$ 2,120,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined after construction.						0

TITLE: Prices Fork Road Signal Modifications

STATUS: New

PROJECT DESCRIPTION:

This project would provide for the modification of the traffic signals at West Campus and Toms Creek to replace the existing five-section doghouse signals with four-section flashing yellow arrow (FYA) assemblies. Replacement of these signal components has been implemented at numerous other locations within the Town, which has resulted in improvements to safety and overall signal phasing performance. Improvements to these two signals will support the recent modifications made to the Virginia Tech parking garage and its impact to Prices Fork Road traffic.

OPERATING IMPACT: Intersection safety improvements and improved phasing adjustment potentials. No negative impacts are anticipated.

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 2022	Summer 2022

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 65,000	\$	\$ 65,000	\$	\$	\$	\$	\$ 65,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 65,000	\$ 0	\$ 65,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 65,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 10,000	\$	\$ 10,000	\$	\$	\$	\$	\$ 10,000	\$
Construction	55,000		55,000					55,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 65,000	\$ 0	\$ 65,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 65,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Minimal.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Retracement Survey - Blacksburg Corporate Line

STATUS: Previously Included

PROJECT DESCRIPTION:

This project will review and confirm the Corporate Boundary of the Town. The need for this project became apparent due to a developer's question concerning the accuracy of the Town's corporate line. The largest corporate boundary adjustment by the Town occurred in 1973 and the boundary has been adjusted on several occasions since then. The purpose of this project is to retrace existing boundary for accuracy and to locate monuments that were set during previous boundary adjustments. In order to accomplish this, a high-order field survey of the corporate boundary is required. In addition to the survey, new monuments will be set where needed and existing monuments re-set if they cannot be located in the field. The final product will be reviewed with the appropriate Montgomery County officials and recorded, thereby establishing the legal Corporate Line for the Town.

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 2023	Spring 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 150,000	\$	\$ 150,000	\$	\$	\$	\$	\$ 150,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 150,000	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 150,000	\$	\$ 150,000	\$	\$	\$	\$	\$ 150,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 150,000	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Sidewalk Extension Design Projects

STATUS: Continuing

PROJECT DESCRIPTION:

This is for potential projects that are intended to facilitate the extension or upgrade of 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined after construction.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Streetlight Installation

STATUS: Continuing

PROJECT DESCRIPTION:

This project is to fund 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 37,500	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	Continuing	Continuing	\$	\$	\$	\$	\$	\$ 0	Continuing
Construction								0	
Equipment								0	
Contractual Services			7,500	7,500	7,500	7,500	7,500	37,500	
Total Uses	Continuing	Continuing	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 37,500	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Minimal.						0

TITLE: Toms Creek Road Traffic Study

STATUS: Previously Included

PROJECT DESCRIPTION:

As the Virginia Tech student population increases, vehicular, bicycle and pedestrian traffic will increase along Toms Creek Road as several student housing complexes are located along this corridor. It is expected that vehicular traffic will also increase due to the recently completed VDOT project at the North Main Street and US Route 460 Bypass intersection (the RCUT project), as more vehicles will use this corridor to access US Route 460 Bypass since left turns from North Main Street onto US Route 460 Bypass have been eliminated. This project will fund a preliminary traffic study to determine the transportation/traffic impacts to Toms Creek Road and review the geometry and level of service at the adjacent intersections and develop schematic improvement plans.

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
Spring 2023	Spring 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 350,000	\$	\$ 350,000	\$	\$	\$	\$	\$ 350,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 350,000	\$ 0	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 350,000	\$	\$ 350,000	\$	\$	\$	\$	\$ 350,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 350,000	\$ 0	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Town-wide Transportation System

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. 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 2022	Spring 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 335,000	\$ 210,000	\$	\$ 125,000	\$	\$	\$	\$ 125,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 335,000	\$ 210,000	\$ 0	\$ 125,000	\$ 0	\$ 0	\$ 0	\$ 125,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 335,000	\$ 210,000	\$	\$ 125,000	\$	\$	\$	\$ 125,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 335,000	\$ 210,000	\$ 0	\$ 125,000	\$ 0	\$ 0	\$ 0	\$ 125,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 corridors that will be reviewed are the Downtown Corridor, the South Main Street Corridor, Prices Fork Road West 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 safe and reliable utilities meeting the demand needs in a customer service-oriented manner.

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Spring 2023	Fall 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 134,500	\$ 21,500	\$ 10,000	\$ 30,000	\$ 28,000	\$ 45,000	\$	\$ 113,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 134,500	\$ 21,500	\$ 10,000	\$ 30,000	\$ 28,000	\$ 45,000	\$ 0	\$ 113,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 134,500	\$ 21,500	\$ 10,000	\$ 30,000	\$ 28,000	\$ 45,000	\$	\$ 113,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 134,500	\$ 21,500	\$ 10,000	\$ 30,000	\$ 28,000	\$ 45,000	\$ 0	\$ 113,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Two-year Orthophotography Update

STATUS: Continuing

PROJECT DESCRIPTION:

Update of the 3" orthophotography and Olbique imagery to support development changes and impervious surface calculations for the Storm Water Program. Future funding is for the four year Orthophotography Update that includes Lidar, contours, planimetrics and impervious surfaces and the next mid term two year update. These projects are tied to a signed six year contract with Pictometry.

OPERATING IMPACT: None.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
Winter 2022	Spring 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 185,000	\$ 85,000	\$ 25,000	\$	\$ 50,000	\$	\$ 25,000	\$ 100,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 185,000	\$ 85,000	\$ 25,000	\$ 0	\$ 50,000	\$ 0	\$ 25,000	\$ 100,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	185,000	85,000	25,000		50,000		25,000	100,000	
Total Uses	\$ 185,000	\$ 85,000	\$ 25,000	\$ 0	\$ 50,000	\$ 0	\$ 25,000	\$ 100,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

TITLE: North Main Street - Bicycle and Pedestrian Improvement Study

STATUS: In Progress

PROJECT DESCRIPTION:

This project is to consider a road diet for North Main Street from Progress Street to Red Maple Drive to better accommodate bicycle and pedestrian traffic as recommended by the North Main Study by Development Strategies and the Bicycle Master Plan. This project will fund a speed study, feasibility study, reconfiguration design and construction of a paint-only project. The project is intended to enhance a major bicycle and pedestrian corridor with dedicated facilities and safe crossings.

The project includes \$9,000 to \$15,000 for a speed study, \$18,000 for a feasibility study with Synchro analysis including Level of Service and Queuing, \$25,000 for reconfiguration design to include road and signal layout, \$17,000 to \$22,000 for the construction which would include reconfiguration of the signals. Striping for the paint only changes is anticipated as part of the repaving project covered by primary extension funding (VDOT). The project cost ranges are dependent on a Traffic Committee request to fund a portion of the speed study.

The design/engineering of this project is time-sensitive to correlate with anticipated funding for repaving of North Main Street with primary extension funding, which is typically available for a roadway section every 12 to 15 years.

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
Summer 2021	Summer 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 80,000	\$ 58,000	\$ 22,000	\$	\$	\$	\$	\$ 22,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 80,000	\$ 58,000	\$ 22,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 22,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 58,000	\$ 58,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	22,000		22,000					22,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 80,000	\$ 58,000	\$ 22,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 22,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Planning and Building Department

TITLE: Patrick Henry Drive - Pedestrian and Bicycle Improvements

STATUS: New

PROJECT DESCRIPTION:

This project will fund the feasibility study, full design/stripping plan and construction for the re-design 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 striping plan and \$80,719 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
Summer 2022	Fall 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 105,719	\$	\$ 25,000	\$ 80,719	\$	\$	\$	\$ 105,719	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 105,719	\$ 0	\$ 25,000	\$ 80,719	\$ 0	\$ 0	\$ 0	\$ 105,719	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 25,000	\$	\$ 25,000	\$	\$	\$	\$	\$ 25,000	\$
Construction	80,719			80,719				80,719	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 105,719	\$ 0	\$ 25,000	\$ 80,719	\$ 0	\$ 0	\$ 0	\$ 105,719	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Planning and Building Department

TITLE: Permuting and Development Software System

STATUS: New

PROJECT DESCRIPTION:

The Planning and Building Department, along with the Engineering and GIS department, are requesting funding to replace their current project and building permit software. The original software was installed in 2007. The current product is inadequate for our current construction and development community who seek more on-line and web-based submission and review opportunities. It is also burdensome on the staff and there are longstanding problems affecting ease of use and additional staff time that the vendor has not been able to remedy despite repeated attempts over the last few years. In August 2021 staff released a Request for Information (RFI) to learn about and explore community development software system alternatives. Staff interviewed nineteen solutions, many of which can meet and exceed staff estimated needs. Staff anticipate releasing an RFP to select a new software system in the spring of 2022. The cost estimates for this new system would be \$200,000 for implementation, \$25,000 for digital plan review software and hardware and an additional \$25, 000 for annual licensing for first year.

OPERATING IMPACT: Annual maintenance for licensing.

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

Significant Dates

ESTIMATED START	ESTIMATED COMPLETION
July 2022	Winter 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 250,000		\$ 250,000	\$	\$	\$	\$	\$ 250,000	0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 250,000	0	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 250,000	0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	250,000		250,000					250,000	
Contractual Services								0	
Total Uses	\$ 250,000	\$ 0	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 250,000	0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Support costs		25,000	25,000	25,000	25,000	100,000

Capital Improvement Program

Public Works Department

TITLE: Curb, Gutter 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; construction of short segments of missing walk ways 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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						30,000	30,000	60,000	0
Total Sources	Continuing	Continuing	\$ 30,000	\$ 30,000	\$ 30,000	\$ 60,000	\$ 60,000	\$ 210,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	Continuing	Continuing	\$ 30,000	\$ 30,000	\$ 30,000	\$ 60,000	\$ 60,000	\$ 210,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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						15,000	15,000	30,000	0
Total Sources	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 30,000	\$ 30,000	\$ 105,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 30,000	\$ 30,000	\$ 105,000	Continuing
Construction								0	
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 15,000	\$ 15,000	\$ 15,000	\$ 30,000	\$ 30,000	\$ 105,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Public Works Department

TITLE: Major Roadway Paving

STATUS: Continuing

PROJECT DESCRIPTION:

Since 2013/14, 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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						325,000	325,000	650,000	0
Total Sources	Continuing	Continuing	\$ 0	\$ 0	\$ 0	\$ 650,000	\$ 650,000	\$ 1,300,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	Continuing	Continuing	\$ 0	\$ 0	\$ 0	\$ 650,000	\$ 650,000	\$ 1,300,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

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 is eligible for a VDOT Revenue Sharing match in FY2026 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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						15,000	15,000	30,000	0
Total Sources	Continuing	Continuing	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	Continuing	Continuing	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Public Works Department

TITLE: Roadway Full Depth Reclamation (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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 200,000	\$	\$ 200,000	\$ 100,000	\$ 100,000	\$ 600,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing						100,000	100,000	200,000	0
Total Sources	Continuing	Continuing	\$ 200,000	\$ 0	\$ 200,000	\$ 200,000	\$ 200,000	\$ 800,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	200,000		200,000	200,000	200,000	800,000	Continuing
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 200,000	\$ 0	\$ 200,000	\$ 200,000	\$ 200,000	\$ 800,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 25,000	\$ 25,000	\$ 25,000	\$ 12,500	\$ 12,500	\$ 100,000	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing						12,500	12,500	25,000	0
Total Sources	Continuing	Continuing	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering			\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	25,000	25,000	25,000	25,000	25,000	125,000	Continuing
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 2600 feet) with adjustments to Clay Street to facilitate bike mobility and provide/improve storm drainage. The addition of sidewalk in this location would provide a connection between existing sections and complete the network along Clay Street. Curb, gutter and a drainage network would be added along the length of the project, as needed, and the roadway section would be widened, where applicable, to provide for appropriate on-road bike facilities. The addition of sidewalk and widening of the road will require storm water 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, would be made to improve areas of poor sight distance and excess grade change.

Based on additional information, regarding stormwater management and potential utility conflicts, anticipated design costs have increased.

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 2022	Spring 2028

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$ 225,000	\$ 150,000	\$ 75,000	\$	\$	\$	\$	\$ 75,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	1,396,000						1,396,000	1,396,000	0
Storm Water Fund								0	0
VDOT Revenue Sharing	1,395,500						1,395,500	1,395,500	0
Total Sources	\$ 3,016,500	\$ 150,000	\$ 75,000	\$ 0	\$ 0	\$ 0	\$ 2,791,500	\$ 2,866,500	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 225,000	\$ 150,000	\$ 75,000	\$	\$	\$	\$	\$ 75,000	\$
Construction	2,791,500						2,791,500	2,791,500	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 3,016,500	\$ 150,000	\$ 75,000	\$ 0	\$ 0	\$ 0	\$ 2,791,500	\$ 2,866,500	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined at construction.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Huckleberry Trail Bridge-Sheffield Drive

STATUS: Previously Included

PROJECT DESCRIPTION:

This project will fund the design and construction of a grade separated pedestrian crossing over Prices Fork Road to connect two sections of the Huckleberry Trail. This crossing will provide for a safe location for trail users to obtain access from the Huckleberry/Hethwood trail system to the Huckleberry Trail system that continues on to the National Forest. The property is owned by the Town and the necessary easements located along the north side of Prices Fork Road have been obtained. This project will be submitted for funding under the VDOT Revenue Sharing Program or Transportation Enhancement Grant Program. Private sources may also provide funding for this project.

OPERATING IMPACT: Public Works will have additional maintenance costs. EGIS will have additional inspection 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
Spring 2025	Fall 2026

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$	\$
General Obligation Bonds	2,500,000					450,000	2,050,000	2,500,000	0
Water/Sewer Fund								0	0
Storm Water Fund								0	0
VDOT Revenue Sharing	2,050,000						2,050,000	2,050,000	0
Total Sources	\$ 4,550,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 450,000	\$4,100,000	\$ 4,550,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 450,000	\$	\$	\$	\$	\$ 450,000	\$	\$ 450,000	\$
Construction	4,100,000						4,100,000	4,100,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 4,550,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 450,000	\$4,100,000	\$ 4,550,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined after 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, storm water 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 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. 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 functional.

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 2024	Fall 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	172,000				172,000			172,000	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 172,000	\$ 0	\$ 0	\$ 0	\$ 172,000	\$ 0	\$ 0	\$ 172,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 36,000	\$	\$	\$	\$ 36,000	\$	\$	\$ 36,000	\$
Construction	136,000				136,000			136,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 172,000	\$ 0	\$ 0	\$ 0	\$ 172,000	\$ 0	\$ 0	\$ 172,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Draper Road and Miller Street Box Culvert Repair

STATUS: Previously Included

PROJECT DESCRIPTION:

The box culvert that runs along Miller Street and Draper Street that daylight behind the 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 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
Fall 2025	Spring 2027

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds	294,000					294,000		294,000	0
Water/Sewer Fund								0	0
Storm Water Fund	30,000				30,000			30,000	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 324,000	\$ 0	\$ 0	\$ 0	\$ 30,000	\$ 294,000	\$ 0	\$ 324,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 30,000	\$	\$	\$	\$ 30,000	\$	\$	\$ 30,000	\$
Construction	294,000					294,000		294,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 324,000	\$ 0	\$ 0	\$ 0	\$ 30,000	\$ 294,000	\$ 0	\$ 324,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

TITLE: Harding Avenue Stormwater and Pedestrian Project

STATUS: In Progress

PROJECT DESCRIPTION:

This project provides funding to correct serious drainage problems in the right-of-way that include, but are not limited to, culvert replacement, storm water pipe extension, pipe size upgrades, pipe repair, inlet installation, ditch installation, and manhole replacement. Harding Avenue has been identified as a priority for pedestrian improvement. This project combines stormwater improvements with needed pedestrian and bicycle enhancements.

Funding in FY2020 through FY2022 was maintained at an appropriate level to address the preliminary engineering, design and right of way acquisition and construction for this project. VDOT revenue sharing funding has been approved for 50% of the construction costs. The preliminary study is complete and 30% plans have been designed. At this stage the engineers' estimate for construction appears to be more than the preliminary construction budget. An additional \$750,000 in funding for FY2023 is being requested to maintain the project scope and complete construction by Spring 2023.

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 2020	Spring 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	125,000	125,000	\$	\$	\$	\$	\$	\$ 0	
General Obligation Bonds	1,611,906	861,906	750,000					750,000	0
Water/Sewer Fund								0	0
Stormwater Fund	507,600	507,600							0
VDOT Revenue Sharing	1,244,506	1,244,506							0
Total Sources	3,489,012	2,739,012	\$ 750,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 750,000	0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	250,000	250,000	\$	\$	\$	\$	\$	\$ 0	0
Construction	3,239,012	2,489,012	750,000					750,000	0
Equipment								0	
Contractual Services								0	
Total Uses	3,489,012	2,739,012	\$ 750,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 750,000	0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined at construction.						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, storm water 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 acquisition, since the Town does not already own any upstream properties. Once this has been evaluated, then the formal engineering design and property acquisition 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.

In FY2022, a total of \$145,000 in funds were re-allocated for the Tall Oaks and Hethwood Blvd Emergency Repair project. The FY2023 funding request is to replace those funds. Funds scheduled for request in FY2023 have been delayed to FY2024.

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 2023	Spring 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund	417,500	25,000	145,000	247,500				392,500	0
VDOT Revenue Sharing								0	0
Total Sources	417,500	25,000	\$ 145,000	\$ 247,500	\$ 0	\$ 0	\$ 0	\$ 392,500	0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	170,000	25,000	\$ 145,000	\$	\$	\$	\$	\$ 145,000	0
Construction	247,500			247,500				247,500	0
Equipment								0	
Contractual Services								0	
Total Uses	417,500	25,000	\$ 145,000	\$ 247,500	\$ 0	\$ 0	\$ 0	\$ 392,500	0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined at construction.						0

TITLE: Progress Street and North Main Street Improvements

STATUS: Previously Included

PROJECT DESCRIPTION:

There has been some significant historical record of flooding at this intersection of North Main Street and Progress Street. This area drains hundreds of acres of watershed and this project is intended to identify what is 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 acquisition and the installation of larger storm water conveyance pipes under the intersection and possibly into the downstream adjacent properties. The study that will begin in FY2022 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	Fall 2027

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	620,000	50,000				70,000	500,000	570,000	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 620,000	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 70,000	\$ 500,000	\$ 570,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 120,000	\$ 50,000	\$	\$	\$	\$ 70,000	\$	\$ 70,000	\$
Construction	500,000						500,000	500,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 620,000	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 70,000	\$ 500,000	\$ 570,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 and watershed studies to determine long term improvements to address TMDL requirements.

Funding through FY2023 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 SLAF (Storm water Local Assistance Fund Grants) from the Department of Environmental Quality or DOF (Department of Forestry) Tree Planting Grants.

Schedule of Projects under this Water 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 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
Total Sources	Continuing	Continuing	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	Continuing	Continuing	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined at construction.						0

Capital Improvement Program

Engineering and GIS Department

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 would be small drainage problems in the right-of-way that include, but are not limited to, culvert replacement, storm water 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.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 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
Total Sources	Continuing	Continuing	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	Continuing	Continuing	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

TITLE: Webb Street Drainage Improvement Project

STATUS: In Progress

PROJECT DESCRIPTION:

This project provides funding to correct serious drainage problems in the right-of-way that include but are not limited to culvert replacement, storm water 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 arises or there are time sensitive components to the project, labor and equipment will be covered by this funding source.

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. In FY2022, \$230,000 of this project's funds were reallocated to the Tall Oaks and Hethwood Emergency Repair project. The FY2023 request is to replace those funds to maintain the scope of the original 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 2021	Spring 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	535,000	305,000	230,000					230,000	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 535,000	\$ 305,000	\$ 230,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 230,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 85,000	\$ 85,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	450,000	220,000	230,000					230,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 535,000	\$ 305,000	\$ 230,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 230,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
To be determined at construction.						0

Capital Improvement Program

Finance Department

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 would 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 and allows 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund			\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	Continuing	Continuing	225,000	225,000	225,000	225,000	225,000	1,125,000	Continuing
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 1,125,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	225,000	225,000	225,000	225,000	225,000	1,125,000	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 1,125,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in the operating budget.						0

Capital Improvement Program

Finance Department

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 FY2019. 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 0	\$ 0	\$ 0	\$ 0	\$ 26,000	\$ 26,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing					26,000	26,000	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 0	\$ 0	\$ 0	\$ 0	\$ 26,000	\$ 26,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in the operating budget.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Bishop Road Water Main Extension

STATUS: Previously Included

PROJECT DESCRIPTION:

This project will extend the Bishop Road water main approximately 600 feet. The water main extension will help mitigate water quality issues for this section of Town. Current water demand for this area is low, thus increasing water age in the system. The water main extension will allow new customers to connect and current water customer, Fountain Court Trailer Park, to reconnect to the new water main. The increased demand at the end of the water main will decrease water age and improve water quality for Bishop Road, Coal Bank Ridge, and Fountain Court Trailer Park.

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	Fall 2026

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	150,570					150,570		150,570	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 150,570	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,570	\$ 0	\$ 150,570	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 42,000	\$	\$	\$	\$	\$ 42,000	\$	\$ 42,000	\$
Construction	108,570					108,570		108,570	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 150,570	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,570	\$ 0	\$ 150,570	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

TITLE: Downtown I & I Reduction

STATUS: In Progress

PROJECT DESCRIPTION:

The Draper Road sewer capacity study identified the need to reduce inflow and infiltration (I&I) by 0.6 million gallons per day (MGD) in our sewer system to prevent an increase in overflows in the Sanitation Authority interceptors due to upgrading our sewer lines. Increasing the capacity of our sewer lines without simultaneously reducing the I&I, will simply move the overflow downstream. I&I removal has the added benefit of increasing capacity within the Town's sewer system and extending the life of aging pipes and manholes. The downtown sewer sheds (Roanoke and Harding) have been demonstrated to have high storm-related peak flow, so they will be initially targeted for I&I removal. Other sewer sheds may also be added to the scope as needed.

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 2018	Spring 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	900,000	660,000	240,000					240,000	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 900,000	\$ 660,000	\$ 240,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 240,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 180,000	\$ 180,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	720,000	480,000	240,000					240,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 900,000	\$ 660,000	\$ 240,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 240,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Hospital Pump Station Upgrade

STATUS: In Progress

PROJECT DESCRIPTION:

This project includes funding for engineering services and construction costs to upgrade the existing pump station with equalization and higher capacity pumps and to upgrade the existing force main. The town wide sewer study identified this pump station as a priority for upgrades due to historic overflows during rain events. Currently, this pump station requires a Public Works presence during heavy storms to prevent overflows.

Funding for the Preliminary Engineering was approved in FY2010/11 and additional construction funds were approved in FY2012/13 in anticipation of a construction project to upgrade the existing pumping station at the current location. Additional funds for collection system and pump station upgrades were approved in FY2014/15. Further additional funding was approved in FY2017/18 under an improved and updated cost estimate provided by Wiley and Wilson, Inc. Since then, engineers from the Town's consultant have investigated possible issues with the pump station force main and a lining project has been completed to reduce the inflow and infiltration in the sewer shed. The consultant identified the force main for upgrades as well, which will rapidly increase the capacity of the pump station and reduce the work load on Public Works during storm events. This CIP request is for the additional funds necessary for the force main upgrade and to meet the updated 2021 estimate provided by the engineering firm.

OPERATING IMPACT: Already in 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
2010	2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds	3,235,000	1,510,000	1,725,000					1,725,000	0
Water/Sewer Fund	1,030,000	1,030,000						0	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 4,265,000	\$ 2,540,000	\$ 1,725,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,725,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 852,000	\$ 660,000	\$ 192,000	\$	\$	\$	\$	\$ 192,000	\$
Construction	3,413,000	1,880,000	1,533,000					1,533,000	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 4,265,000	\$ 2,540,000	\$ 1,725,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,725,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Northview Drive and Lucas Drive Sewer Upgrades

STATUS: In Progress

PROJECT DESCRIPTION:

This project includes the replacement of approximately 550 linear feet of sewer line identified as being over capacity. Much of this line is located alongside Webb Branch, which will require more stringent erosion and sediment controls to protect the creek. These lines are located between North Main Street and Giles Road in the vicinity of Northview Drive and Lucas Drive. The funding for FY2022 includes design of the project and the funding for FY2023 includes all construction.

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 2021	Fall 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	593,775	70,000	523,775					523,775	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 593,775	\$ 70,000	\$ 523,775	\$ 0	\$ 0	\$ 0	\$ 0	\$ 523,775	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 70,000	\$ 70,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	523,775		523,775					523,775	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 593,775	\$ 70,000	\$ 523,775	\$ 0	\$ 0	\$ 0	\$ 0	\$ 523,775	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Roanoke Street Sewer Shed Upgrades

STATUS: In Progress

PROJECT DESCRIPTION:

This project includes the replacement of approximately 520 linear feet of sewer line identified as being over capacity. Much of this line is located alongside a tributary of Stroubles Creek, which will require more stringent erosion and sediment controls to protect the creek. These lines are located in the vicinity of Berryfield Lane and Penn Street. The funding for FY2022 includes design of the project and the funding for FY2023 includes all construction.

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 2021	Fall 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	598,695	70,000	528,695					528,695	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 598,695	\$ 70,000	\$ 528,695	\$ 0	\$ 0	\$ 0	\$ 0	\$ 528,695	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 70,000	\$ 70,000	\$	\$	\$	\$	\$	\$ 0	\$
Construction	528,695		528,695					528,695	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 598,695	\$ 70,000	\$ 528,695	\$ 0	\$ 0	\$ 0	\$ 0	\$ 528,695	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

TITLE: Town-wide Sanitary Sewer Model Update

STATUS: In Progress

PROJECT DESCRIPTION:

This project will provide funding for updates to the Town's Sanitary Sewer Model by a consultant every five years. The Town uses the model to analyze the impacts of development projects and Town Capital Improvement Program projects on the sanitary sewer system. The results of these analyses are then used to determine future upgrades to the system that the Town needs to include in the Capital Improvement Program or upgrades that development projects may need to make to mitigate impacts to the system due to the increase in flows due to the development.

There are many areas in Town that do not have the full sewer system depicted in the model, but these areas are experiencing new growth and development. This project will focus on incrementally updating the sewer model to more accurately reflect the entire, detailed sewer system to give Town staff a more complete look at sewer capacity.

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 2022	Fall 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	150,000		150,000					150,000	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 150,000	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 150,000	\$	\$ 150,000	\$	\$	\$	\$	\$ 150,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 150,000	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 2027	Summer 2027

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 50,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 50,000	\$	\$	\$	\$	\$	\$ 50,000	\$ 50,000	\$
Construction								0	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 50,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Engineering and GIS Department

TITLE: Water Tank Inspections

STATUS: Previously Included

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.

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 2024	Fall 2027

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	65,000			5,000	5,000	5,000	50,000	65,000	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 65,000	\$ 0	\$ 0	\$ 5,000	\$ 5,000	\$ 5,000	\$ 50,000	\$ 65,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment								0	
Contractual Services	65,000			5,000	5,000	5,000	50,000	65,000	
Total Uses	\$ 65,000	\$ 0	\$ 0	\$ 5,000	\$ 5,000	\$ 5,000	\$ 50,000	\$ 65,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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. Allegheny 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 cellular phone towers before maintenance required 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 2026

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	804,400	175,000			1,614,400	0
Storm Water Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 1,614,400	\$ 0	\$ 635,000	\$ 804,400	\$ 175,000	\$ 0	\$ 0	\$ 1,614,400	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$ 235,000	\$	\$ 30,000	\$ 30,000	\$ 175,000	\$	\$	\$ 235,000	\$
Construction	1,379,400		605,000	774,400				1,379,400	
Equipment								0	
Contractual Services								0	
Total Uses	\$ 1,614,400	\$ 0	\$ 635,000	\$ 804,400	\$ 175,000	\$ 0	\$ 0	\$ 1,614,400	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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. Additional funds are requested in FY2023 to procure A&E services to identify system wide critical valves to allow more efficient isolation of the water distribution network when field crews respond to water breaks.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	Continuing	Continuing	40,000	30,000	30,000	30,000	30,000	160,000	Continuing
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 40,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 160,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	40,000	30,000	30,000	30,000	30,000	160,000	Continuing
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 40,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 160,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	250,000	1,250,000	Continuing
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing	250,000	250,000	250,000	250,000	250,000	1,250,000	Continuing
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Public Works Department

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 pages.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund	Continuing	Continuing		256,331	343,486	327,126	323,629	1,250,572	Continuing
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 0	\$ 256,331	\$ 343,486	\$ 327,126	\$ 323,629	\$ 1,250,572	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	
Construction	Continuing	Continuing		256,331	343,486	327,126	323,629	1,250,572	Continuing
Equipment								0	
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 0	\$ 256,331	\$ 343,486	\$ 327,126	\$ 323,629	\$ 1,250,572	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Water Main Replacement Projects FY 2023 - 2027

<u>Location</u>	<u>From</u>	<u>To</u>	<u>Length</u>	<u>Water Main</u>	<u>Paving</u>	<u>Total</u>
FY 2023						
						\$ -
FY 2024						
Palmer Drive	Upland Road	Country Club Drive	2500	\$ 118,519	\$ 137,813	\$ 256,331
FY 2025						
Alleghany St.	414 Alleghany	519 Alleghany	1000	\$ 49,778	\$ 70,744	
Eheart St.	Main St.	Willard Dr.	1850	\$ 92,089	\$ 130,875	
			2850	\$ 141,867	\$ 201,619	\$ 343,486
FY 2026						
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	
			2594	\$ 134,443	\$ 192,682	\$ 327,126
FY 2027						
Piedmont St.	Knob Hill Dr.	Jefferson St.	950	\$ 52,136	\$ 74,095	
Nellies Cave Rd.	Shelor Ln.	Town Limits	1500	\$ 80,406	\$ 116,993	
			2450	\$ 132,542	\$ 191,087	\$ 323,629
Note: budget estimated based upon 2021 construction year costs with a 5% annual inflationary factor.						

Capital Improvement Program

Public Works Department

TITLE: Wastewater Pumping Station Renewal

STATUS: Continuing

PROJECT DESCRIPTION:

This project provides funding for the Public Works Department to renew older Wastewater Pumping station controls, mechanical pumping equipment, emergency pump around plumbing and wetwell repairs. Example order for rehabilitation of existing pump stations is the following: Karr Heights, Shawnee, Sturbridge Square, Wyatt Farms, Highland Park and Brookfield pump stations.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	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
Total Sources	Continuing	Continuing	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 600,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	Continuing	Continuing	70,000	70,000	70,000	70,000	70,000	350,000	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 600,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Transit Department

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>
FY2023	None Scheduled		
FY2024	Body on Chassis	3	Replacement
FY2025	Body on Chassis	2	Replacement
FY2026	Body on Chassis	1	Replacement
FY2027	None Scheduled		

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

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$	\$ 52,100	\$ 27,100	\$ 18,400	\$	\$ 97,600	Continuing
State Funds	Continuing	Continuing		295,200	153,500	104,400		553,100	Continuing
Local Funds	Continuing	Continuing		86,800	45,100	30,700		162,600	Continuing
Total Sources	Continuing	Continuing	\$ 0	\$ 434,100	\$ 225,700	\$ 153,500	\$ 0	\$ 813,300	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing		434,100	225,700	153,500		813,300	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 0	\$ 434,100	\$ 225,700	\$ 153,500	\$ 0	\$ 813,300	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget						0

Capital Improvement Program

Transit Department

TITLE: Bus Pull-Offs

STATUS: Continuing

PROJECT DESCRIPTION:

Pull-offs are 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>
FY2023	Toms Creek Road at Hunt Club Road, SB, Stop# 1338-NEW
FY2024	Progress St. at Hunt Club Road, SB, Stop# 1326-NEW
FY2025	Merge Progress St. at University Terrace, NB, Stop# 1306 and Progress St. at Patrick Henry Drive, NB, Stop# 1307-NEW
FY2026	Merge Patrick Henry Drive at Main St. WB, Stop# 1408 and Patrick Henry Drive at Giles Road, WB, Stop# 1407-NEW
FY2027	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

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$ 9,600	\$ 9,600	\$ 10,200	\$ 10,200	\$ 10,200	\$ 49,800	Continuing
State Funds	Continuing	Continuing	54,400	54,400	57,800	57,800	57,800	282,200	Continuing
Local Funds	Continuing	Continuing	16,000	16,000	17,000	17,000	17,000	83,000	Continuing
Total Sources	Continuing	Continuing	\$ 80,000	\$ 80,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 415,000	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	80,000	80,000	85,000	85,000	85,000	415,000	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 80,000	\$ 80,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 415,000	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Transit Department

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>
FY2023	Body on Chassis	1	Replacement
FY2024	Body on Chassis	2	Replacement
FY2025	None Scheduled		
FY2026	Body on Chassis	2	Replacement
FY2027	None Scheduled		

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

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$ 16,400	\$ 33,900	\$	\$ 35,900	\$	\$ 86,200	Continuing
State Funds	Continuing	Continuing	93,200	191,900		203,600		488,700	Continuing
Local Funds	Continuing	Continuing	27,400	56,400		59,900		143,700	Continuing
Total Sources	Continuing	Continuing	\$ 137,000	\$ 282,200	\$ 0	\$ 299,400	\$ 0	\$ 718,600	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	137,000	282,200		299,400		718,600	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 137,000	\$ 282,200	\$ 0	\$ 299,400	\$ 0	\$ 718,600	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget						0

Capital Improvement Program

Transit Department

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.

Year	Description	Number	Type
FY2023	None Scheduled		
FY2024	Shelter at Spradlin Farms	1	New
FY2025	Shelter at Electric/Fisher EB	1	New
	Shelter pads and site improvements	1	Improvement
FY2026	Shelter at Farmview/Ridinger EB, pad and site improvements	1	New
	Bus stop improvements-pad at Roanoke/Hungate WB	1	Improvement
FY2027	Shelter at Roanoke/Evans EB	1	New
	Bus Stop Improvement at Radford/College EB	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

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$	\$ 3,200	\$ 1,500	\$ 1,800	\$ 2,100	\$ 8,600	Continuing
State Funds	Continuing	Continuing		18,100	8,600	10,100	11,600	48,400	Continuing
Local Funds	Continuing	Continuing		5,300	2,500	3,000	3,400	14,200	Continuing
Total Sources	Continuing	Continuing	\$ 0	\$ 26,600	\$ 12,600	\$ 14,900	\$ 17,100	\$ 71,200	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing		26,600	12,600	14,900	17,100	71,200	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 0	\$ 26,600	\$ 12,600	\$ 14,900	\$ 17,100	\$ 71,200	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget						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:

Year	esc	Description	Number	Total	Type
FY2023		40' / 60' Buses	3 / 2	5	Replacement
FY2024		40' / 60' Buses	4 / 0	4	Replacement
FY2025		40' / 60' Buses	4 / 2	6	Replacement
FY2026		None Scheduled			
FY2027		40' / 60' Buses	8 / 1	9	Replacement

Each bus purchase includes a spare parts package and other required components. Costs are based on electric bus prices. Electric bus infrastructure is also included. 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

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$ 793,000	\$ 559,000	\$1,044,900	\$	\$ 1,508,700	\$ 3,905,600	Continuing
State Funds	Continuing	Continuing	4,493,800	3,167,700	5,920,900		8,549,500	22,131,900	Continuing
Local Funds	Continuing	Continuing	1,321,700	931,700	1,741,400		2,514,500	6,509,300	Continuing
Total Sources	Continuing	Continuing	\$ 6,608,500	\$ 4,658,400	\$ 8,707,200	\$ 0	\$ 12,572,700	\$ 32,546,800	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	6,608,500	4,658,400	8,707,200		12,572,700	32,546,800	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 6,608,500	\$ 4,658,400	\$ 8,707,200	\$ 0	\$ 12,572,700	\$ 32,546,800	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
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>
FY2023	Yard Management System, Customer Information System Upgrade Phase Two and Advanced Traffic Management System (ATMS)
FY2024	Customer Communications and ITS Systems updates per strategic plan, and Advanced Traffic Management Systems
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

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

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$ 77,800	\$ 69,600	\$ 92,100	\$ 111,800	\$ 97,400	\$ 448,700	Continuing
State Funds	Continuing	Continuing	440,700	394,400	521,700	633,800	552,200	2,542,800	Continuing
Local Funds	Continuing	Continuing	129,600	116,000	153,400	186,400	162,400	747,800	Continuing
Total Sources	Continuing	Continuing	\$ 648,100	\$ 580,000	\$ 767,200	\$ 932,000	\$ 812,000	\$ 3,739,300	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	648,100	580,000	767,200	932,000	812,000	3,739,300	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 648,100	\$ 580,000	\$ 767,200	\$ 932,000	\$ 812,000	\$ 3,739,300	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Maintenance agreements.	12,550	15,000	17,500	25,000	30,000	100,050

Capital Improvement Program

Transit Department

TITLE: Radio Replacement and Expansion Program

STATUS: Continuing

PROJECT DESCRIPTION:

Blacksburg Transit has developed a maintenance and expansion program for digital two way radios which includes updating equipment to maintain functionality and remain current with advancements in technology. The proposed schedule for radio equipment is as follows:

Year	Description
FY2023	Twenty three portable radios, twelve remote speaker microphones and chargers, two power supplies and two multi-unit chargers.
FY2024	Eleven portable radios, six remote speaker microphones and chargers, one multi-unit charger and a power supply.
FY2025	Twelve portable radios, six remote speaker microphones and chargers, one multi-unit charger, three power supplies, and one radio recorder.
FY2026	Thirteen portable radios, seven remote speaker microphones and chargers, one multi-unit charger and three power supplies.
FY2027	Eleven portable radios, five remote speaker microphones and chargers, two desk tray microphones and speakers, three power supplies, one Radio Over IP (RoIP) Unit and three mobile radios.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$ 2,100	\$ 1,000	\$ 3,500	\$ 1,300	\$ 1,500	\$ 9,400	Continuing
State Funds	Continuing	Continuing	12,000	5,900	19,900	7,300	8,600	53,700	Continuing
Local Funds	Continuing	Continuing	3,500	1,700	5,900	2,200	2,500	15,800	Continuing
Total Sources	Continuing	Continuing	\$ 17,600	\$ 8,600	\$ 29,300	\$ 10,800	\$ 12,600	\$ 78,900	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	17,600	8,600	29,300	10,800	12,600	78,900	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 17,600	\$ 8,600	\$ 29,300	\$ 10,800	\$ 12,600	\$ 78,900	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 and short sidewalk connections, bike racks and trash receptacles and replacement parts based on prioritized needs.

<u>Year</u>	<u>Description</u>	<u>Number</u>	<u>Type</u>
FY2023	None Scheduled		
FY2024	Shelters at Campus I Lot/Cage SB and Overflow Lot EB	2	New
FY2025	Shelters at Progress/Broce SB and Harper Hall NB	2	New
	Bus Stop improvements at Giles/Northview SB and Giles/Heights NB	2	Improvements
FY2026	Shelter at Progress/Univ. Terrace SB, pad sidewalk extension and lighting	1	New

This project includes funds for miscellaneous replacement parts, cement work, etc. 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

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$ 0	\$ 2,700	\$ 4,800	\$ 2,100	\$	\$ 9,600	Continuing
State Funds	Continuing	Continuing	0	15,000	26,900	11,600		53,500	Continuing
Local Funds	Continuing	Continuing	0	4,400	7,900	3,400		15,700	Continuing
Total Sources	Continuing	Continuing	\$ 0	\$ 22,100	\$ 39,600	\$ 17,100	\$ 0	\$ 78,800	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing		22,100	39,600	17,100		78,800	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 0	\$ 22,100	\$ 39,600	\$ 17,100	\$ 0	\$ 78,800	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
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:

Year	Description	Number	Total	Type	Category
FY2023	Maintenance	1	1	Replacement	Heavy Duty
FY2024	Maintenance / Operations	2 / 1	3	Replacement	Heavy Duty / Light Duty
FY2025	Maintenance / Administration	1 / 6	7	Replacement	Heavy Duty / Light Duty
FY2026	Operations	1	1	Replacement	Light Duty
FY2027	None Scheduled				

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 vehicle 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

ESTIMATED START	ESTIMATED COMPLETION
Continuing	Continuing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$ 6,400	\$ 24,600	\$ 43,500	\$ 6,100	\$	\$ 80,600	Continuing
State Funds	Continuing	Continuing	36,400	139,600	246,400	34,500		456,900	Continuing
Local Funds	Continuing	Continuing	10,700	41,000	72,500	10,100		134,300	Continuing
Total Sources	Continuing	Continuing	\$ 53,500	\$ 205,200	\$ 362,400	\$ 50,700	\$ 0	\$ 671,800	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	53,500	205,200	362,400	50,700		671,800	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 53,500	\$ 205,200	\$ 362,400	\$ 50,700	\$ 0	\$ 671,800	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

Capital Improvement Program

Transit Department

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
FY2023	Tire balancer, Heavy Duty filter crusher with stand and HVAC units.
FY2024	Projects will be selected from the facility assessment plan based on prioritized needs.
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.

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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Federal Funds	Continuing	Continuing	\$ 7,500	\$ 27,000	\$ 30,000	\$ 33,000	\$ 33,000	\$ 130,500	Continuing
State Funds	Continuing	Continuing	42,600	153,000	170,000	187,000	187,000	739,600	Continuing
Local Funds	Continuing	Continuing	12,500	45,000	50,000	55,000	55,000	217,500	Continuing
Total Sources	Continuing	Continuing	\$ 62,600	\$ 225,000	\$ 250,000	\$ 275,000	\$ 275,000	\$ 1,087,600	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	62,600	225,000	250,000	275,000	275,000	1,087,600	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 62,600	\$ 225,000	\$ 250,000	\$ 275,000	\$ 275,000	\$ 1,087,600	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Equipment Replacement Fund	Continuing	Continuing	\$ 2,793,000	\$ 2,304,500	\$ 1,687,550	\$ 1,845,500	\$ 3,684,000	\$ 12,314,550	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 2,793,000	\$ 2,304,500	\$ 1,687,550	\$ 1,845,500	\$ 3,684,000	\$ 12,314,550	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	2,793,000	2,304,500	1,687,550	1,845,500	3,684,000	12,314,550	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 2,793,000	\$ 2,304,500	\$ 1,687,550	\$ 1,845,500	\$ 3,684,000	\$ 12,314,550	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2023-2027

Deferred Replacement

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
CDGB Fund						
HD-101	SUV, Economy 4WD	2007	10	25,000	0	2017
HD-201	Sedan, Economy Hybrid	2008	10	25,000	0	2018
Fund Total:				\$50,000	\$0	
General Fund						
PN-101	SUV, Economy 4WD	2005	10	25,000	0	2015
MP-101	SUV, Economy 4WD	2008	8	25,000	0	2016
MP-402	Truck-Pickup w/Traffic Message Board	2001	16	45,000	0	2017
IN-103	SUV, Economy 4WD	2008	10	30,000	0	2018
MP-102	SUV, Economy 4WD	2008	10	25,000	0	2018
RC-201	Sedan, Economy	2008	10	20,000	0	2018
TM-101	SUV, Standard 4WD	2012	7	30,000	0	2019
TE-401	Truck, Bucket	2012	10	143,000	0	2022
HT-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2014	8	30,000	0	2022
HT-802	ATV	2014	8	15,000	0	2022
PW-201	Sedan, Economy	2014	8	25,000	0	2022
Fund Total:				\$413,000	\$0	
Police Fund						
PD-1201	Van - Jail	2012	8	50,000	0	2020
Fund Total:				\$50,000	\$0	
Water & Sewer Fund						
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
Fund Total:				\$320,000	\$0	
Total Deferred Replacement				\$833,000		

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2023-2027

FY Replacement 2023

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Fire Fund						
FD-17	Truck-Pick-up, F-550 4WD, w/add ons	2006	17	75,000	4,412	2023
		Fund Total:		\$75,000	\$4,412	
General Fund						
AS-401	Truck-Pickup, F550 4WD, CC, util bed	2015	8	60,000	7,500	2023
BD-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2015	8	30,000	3,750	2023
BD-402	Truck-Pickup, 1 ton 4WD, util bed	2015	8	55,000	6,875	2023
BD-601	Scissor Lift with Trailer	2013	10	20,000	2,000	2023
CC-401	Truck-Pickup, 1 ton 4WD util bed	2013	10	55,000	5,500	2023
CE-401	Truck-Pickup, 1 ton 4WD	2013	10	42,000	4,200	2023
CH-101	SUV, Economy 4WD	2008	15	25,000	1,667	2023
GC-601	Sand Trap Rake	2015	8	30,000	3,750	2023
HT-405	Truck-F550 Flatbed	2009	14	50,000	3,571	2023
HT-501	Truck- Dump, Water	2013	10	110,000	11,000	2023
HT-702	Loader, Skid Steer	2008	15	45,000	3,000	2023
PK-810	Mowing Tractor, slope w/field attach	2016	7	39,000	5,571	2023
PW-03	Mowers (2)	2014	9	25,000	2,778	2023
PW-05	Mowers (2)	2016	7	25,000	3,571	2023
RC-302	Van, 15-Passenger	2013	10	30,000	3,000	2023
SD-401	Truck-Pickup, 1 ton 4WD util bed	2013	10	55,000	5,500	2023
SW-601	Saw, Walk Behind	2015	8	27,000	3,375	2023
		Fund Total:		\$723,000	\$76,609	
Police Fund						
PD-085	Van - Rapid Deployment w/add ons	2008	15	51,000	3,400	2023
PD-1310	SUV, Standard 4WD, unmarked w/add ons	2013	10	40,000	4,000	2023
PD-1311	SUV, Standard 4WD, unmarked w/add ons	2013	10	40,000	4,000	2023
PD-1312	Sedan-Unmarked	2013	10	35,000	3,500	2023
PD-1313	SUV, Hybrid-Marked w/add ons	2013	10	70,000	7,000	2023
PD-1319	SUV, Hybrid-Marked w/add ons	2013	10	70,000	7,000	2023
PD-1320	Motorcycle-Marked	2014	9	40,000	4,444	2023
PD-1321	Motorcycle-Marked	2014	9	40,000	4,444	2023
PD-1401	SUV, Standard 4WD, unmarked w/add ons	2014	9	40,000	4,444	2023
PD-1402	SUV, Standard 4WD, unmarked w/add ons	2014	9	40,000	4,444	2023
PD-1403	SUV, Full Size-Marked, w/add ons	2014	9	70,000	7,778	2023
PD-1409	SUV, Standard 4WD, unmarked w/add ons	2015	8	40,000	5,000	2023
		Fund Total:		\$576,000	\$59,456	
Rescue Fund						
RS-C53	Tahoe 4WD	2015	8	60,000	7,500	2023
RS-M56	Ambulance-Type II	2015	8	268,000	33,500	2023
RS-R51	Tahoe 4WD	2015	8	60,000	7,500	2023
		Fund Total:		\$388,000	\$48,500	

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2023-2027

FY Replacement 2023 - continued

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Solid Waste Fund						
WM-802	Sweeper-Sidewalk	2015	8	36,000	4,500	2023
WM-905	Leaf Machine	2009	14	37,000	2,643	2023
WM-906	Leaf Machine	2009	14	37,000	2,643	2023
		Fund Total:		\$110,000	\$9,786	
Water & Sewer Fund						
PS-401	Truck-Pickup, 1 ton 4WD, util bed	2015	8	55,000	6,875	2023
SE-502	Sewer Truck-Combo Washer/Vax	2013	10	400,000	40,000	2023
SE-703	Loader, Heavy Track	2013	10	300,000	30,000	2023
UT-401	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2013	10	30,000	3,000	2023
WA-401	Truck-Pickup, F550 4WD, CC, util bed	2015	8	60,000	7,500	2023
WA-706	Excavator, Mini with Trailer	2013	10	76,000	7,600	2023
		Fund Total:		\$921,000	\$94,975	
	Total FY 2023 Replacement			\$2,793,000	\$293,737	

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2023-2027

FY Replacement 2024

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Fire Fund						
FD-B13	Truck-Brush, Heavy Duty	2015	9	210,000	23,333	2024
		Fund Total:		\$210,000	\$23,333	
General Fund						
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	25,000	2,500	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
PI-301	Van, Economy Cargo	2014	10	20,000	2,000	2024
PW-06	Mowers (3)	2017	7	37,500	5,357	2024
ST-101	SUV, Economy 4WD	2014	10	25,000	2,500	2024
		Fund Total:		\$1,423,500	\$148,457	
Police Fund						
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
		Fund Total:		\$500,000	\$62,500	
Solid Waste Fund						
WM-902	Leaf Machine	2016	8	37,000	4,625	2024
WM-903	Leaf Machine	2016	8	37,000	4,625	2024
		Fund Total:		\$74,000	\$9,250	
Water & Sewer Fund						
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	30,000	3,750	2024
		Fund Total:		\$97,000	\$12,929	
Total FY 2024 Replacement				\$2,304,500	\$256,469	

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2023-2027

FY Replacement 2025

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Fire Fund						
FD-14	Box Truck -Special Purpose	2014	11	90,000	8,182	2025
Fund Total:				\$90,000	\$8,182	
General Fund						
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	30,000	3,750	2025
EO-501	Road Tractor	2005	20	100,000	5,000	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	25,000	3,571	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
Fund Total:				\$541,550	\$58,983	
Police Fund						
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
Fund Total:				\$535,000	\$66,875	
Solid Waste Fund						
LB-01	Leaf Boxes (6) - PW	2015	10	51,000	5,100	2025
Fund Total:				\$51,000	\$5,100	
Water & Sewer Fund						
SE-405	Truck-Pickup, F550 4WD, util bed	2017	8	55,000	6,875	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
Fund Total:				\$470,000	\$52,097	
Total FY 2025 Replacement				\$1,687,550	\$191,238	

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2023-2027

FY Replacement 2026

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
General Fund						
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, util bed	2018	8	55,000	6,875	2026
HT-402	Truck-Pickup, 1 ton 4WD, util bed	2018	8	55,000	6,875	2026
HT-404	Truck-Pickup, 1 ton 4WD, util bed	2018	8	55,000	6,875	2026
IN-102	SUV, Economy 4WD	2016	10	25,000	2,500	2026
IN-105	SUV, Economy 4WD	2016	10	25,000	2,500	2026
PK-401	Truck-Pickup, 1 ton 4WD	2018	8	42,000	5,250	2026
PK-403	Truck-Pickup, 1/2 ton 4WD w/tow pkg	2018	8	30,000	3,750	2026
PW-02	Mowers (2)	2019	7	25,000	3,571	2026
SD-701	Backhoe w/attachments	2016	10	135,000	13,500	2026
		Fund Total:		\$677,500	\$77,134	
Police Fund						
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
		Fund Total:		\$490,000	\$61,250	
Rescue Fund						
RS-M54	Ambulance, Type II	2018	8	268,000	33,500	2026
		Fund Total:		\$268,000	\$33,500	
Stormwater Utility Fund						
EG-103	SUV, Economy 4WD	2016	10	25,000	2,500	2026
		Fund Total:		\$25,000	\$2,500	
Water & Sewer Fund						
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
		Fund Total:		\$385,000	\$41,250	
	Total FY 2026 Replacement			\$1,845,500	\$215,634	

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2023-2027

FY Replacement 2027

Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Fire Fund						
FD-E13	Pumper	2017	10	825,000	82,500	2027
FD-L11	Truck-Ladder	2007	20	1,000,000	50,000	2027
Fund Total:				\$1,825,000	\$132,500	
General Fund						
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	30,000	3,750	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	30,000	3,750	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
Fund Total:				\$1,153,000	\$160,986	
Police Fund						
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
Fund Total:				\$170,000	\$21,250	
Solid Waste Fund						
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
Fund Total:				\$341,000	\$48,714	
Water & Sewer Fund						
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
Fund Total:				\$195,000	\$26,357	
Total FY 2027 Replacement				\$3,684,000	\$389,807	

Capital Improvement Program

Public Works Department

TITLE: Major Building Systems Replacements
STATUS: Continuing
PROJECT DESCRIPTION:

This project projects the major building equipment that is to be purchased over the next five years. Equipment fully depreciated will be purchased from the Building Systems Depreciation Fund. Each piece of equipment is inspected prior to being replaced to determine if the equipment can provide an additional service life. See attached pages for 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 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
General Fund	Continuing	Continuing	\$ 43,500	\$ 66,591	\$ 15,281	\$ 28,200	\$ 41,096	\$ 194,668	Continuing
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	Continuing	Continuing	\$ 43,500	\$ 66,591	\$ 15,281	\$ 28,200	\$ 41,096	\$ 194,668	Continuing

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	Continuing	Continuing	43,500	66,591	15,281	28,200	41,096	194,668	Continuing
Contractual Services								0	
Total Uses	Continuing	Continuing	\$ 43,500	\$ 66,591	\$ 15,281	\$ 28,200	\$ 41,096	\$ 194,668	Continuing

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Major Building System 5 yr Projected Replacements for FY 2022/23 to 2026/27

FY to be Replaced: 2023

<u>Location</u>	<u>Description</u>	<u>Installation Date</u>	<u>Life</u>	<u>Replacement Cost</u>	<u>Depreciation</u>
Police Department Building	Roof Top cooling & heating Unit - Chief	2003	20	\$15,000	\$750
Police Department Building	Roof Top cooling & heating Unit - Training Room	2003	20	\$10,000	\$500
Blacksburg Motor Company	5 Ductless Split A/C Units	2008	15	\$12,500	\$833
Kipps Restroom	3-Ceiling mounted unit heaters	2013	10	\$6,000	\$600
FISCAL YEAR TOTAL:				\$43,500	\$2,683

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 furnance w/ heat pump	2004	20	\$3,308	\$165
Bennett House	1 ea forced air gas furnance 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
FISCAL YEAR TOTAL:				\$66,591	\$3,890

Major Building System 5 yr Projected Replacements for FY 2022/23 to 2026/27

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
FISCAL YEAR TOTAL:				\$15,281	\$764

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
FISCAL YEAR TOTAL:				\$28,200	\$2,927

FY to be Replaced: 2027

PW Garage	Hot water pressure washer	2016	10	\$11,487	\$1,149
Pw Buidings	gas fired furnace - sign shop	2011	15	\$4,084	\$272
Purchasing Warehouse	ductless split system - technology	2006	20	\$6,381	\$319
Purchasing Warehouse	2 large gas fired hanging heater - carpenter shop	2011	15	\$19,144	\$1,276
FISCAL YEAR TOTAL:				\$41,096	\$1,740

	5 year total	\$194,668	\$12,005
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Capital Improvement Program

Public Works Department

TITLE: Brush, Leaf and Debris Management Planning

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 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Solid Waste Fund	\$ 75,000	\$ 25,000	\$	\$ 50,000	\$	\$	\$	\$ 50,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 75,000	\$ 25,000	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 0

Planned Uses

Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	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	
Total Uses	\$ 75,000	\$ 25,000	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
None.						0

Capital Improvement Program

Public Works Department

TITLE: Truck Mounted Debris Collector/Leaf Vacuum Truck

STATUS: New

PROJECT DESCRIPTION:

This vehicle uses 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 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Funds Required
Solid Waste Fund	\$ 600,000	\$	\$ 300,000	\$	\$ 300,000	\$	\$	\$ 600,000	\$ 0
General Obligation Bonds								0	0
Water/Sewer Fund								0	0
Stormwater Fund								0	0
VDOT Revenue Sharing								0	0
Total Sources	\$ 600,000	\$ 0	\$ 300,000	\$ 0	\$ 300,000	\$ 0	\$ 0	\$ 600,000	\$ 0

Planned Uses

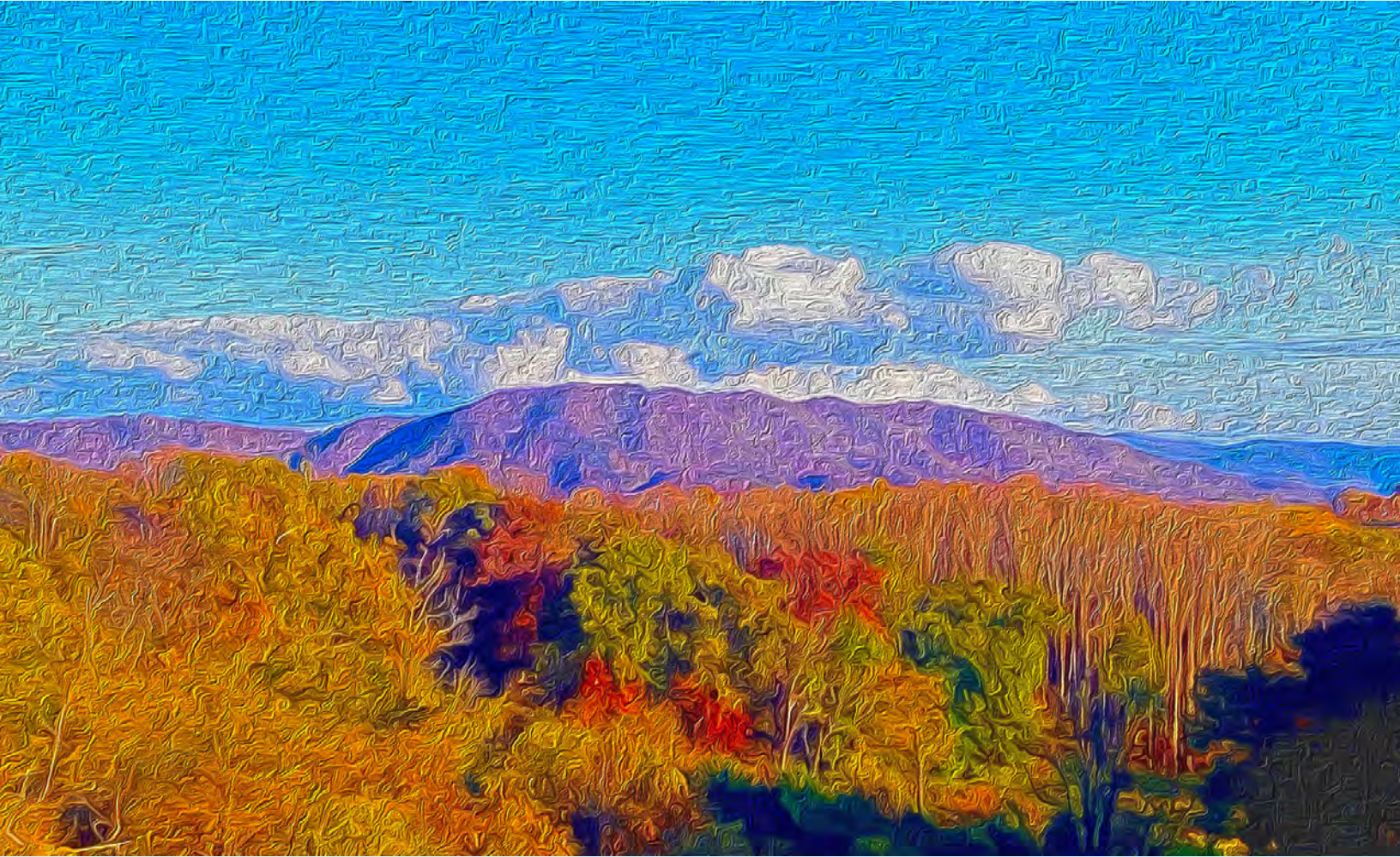
Uses	Total Project Cost	Appropriated through 6/30/2022	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP	Future Project Cost
Design/Engineering	\$	\$	\$	\$	\$	\$	\$	\$ 0	\$
Construction								0	
Equipment	600,000		300,000		300,000			600,000	
Contractual Services								0	
Total Uses	\$ 600,000	\$ 0	\$ 300,000	\$ 0	\$ 300,000	\$ 0	\$ 0	\$ 600,000	\$ 0

Operating Impact

Expense Category	FY23	FY24	FY25	FY26	FY27	Total for Five Year CIP
Already in operating budget.						0

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